NATIONAL QUALITY FORUM

+ + + + +

MEASURE APPLICATIONS PARTNERSHIP

DUAL ELIGIBLE BENEFICIARIES WORKGROUP

+ + + + +

THURSDAY

MARCH 30, 2017

+ + + + +

The Workgroup met at the National Quality Forum, 9th Floor Conference Room, 1030 15th Street, N.W., Washington, D.C., at 9:00 a.m., Jennie Chin Hansen and Michael Monson, Co-Chairs, presiding. **PRESENT:**

JENNIE CHIN HANSEN, RN, MS, FAAN, Workgroup Co-Chair, Subject Matter Expert MICHAEL MONSON, MPP, Substitute Workgroup Co-Chair, Centene Corporation CHRISTINE AGUIAR LYNCH, MPH, Association for Community Affiliated Health Plans JOE BAKER, JD, Medicare Rights Center RICHARD BRINGEWATT, SNP Alliance GWENDOLEN BUHR, MD, MHS, Med, CMD, American Medical Directors Association ALISON CUELLAR, PhD, Subject Matter Expert WENDY FOX-GRAGE, MS, MPA AARP Public Policy Institute JOY HAMMEL, PhD, OTR/L, FAOTA, American Occupational Therapy Association ALINE HOLMES, DNP, MSN, RN, New Jersey Hospital Association K. CHARLIE LAKIN, PhD, Subject Matter Expert ALICE LIND, BSN, MPH, National Association of Medicaid Directors* THOMAS H. LUTZOW, PhD, MBA, iCare STACEY LYTLE, MPH, CMS Medicare-Medicaid Coordination Office D.E.B. POTTER, MS, Office of the Assistant Secretary for Planning and Evaluation JENNIFER RAMONA, Homewatch CareGivers KIMBERLY RASK, MD, PhD, Subject Matter Expert E. CLARKE ROSS, DPA, Consortium for Citizens with Disabilities JOAN LEVY ZLOTNIK, PhD, ACSW, National Association of Social Workers

NQF STAFF:

KATE BUCHANAN, MPH, Project Manager MADISON JUNG, Project Analyst DEBJANI MUKHERJEE, MPH, Senior Director ELISA MUNTHALI, MPH, Vice President, Quality Measurement ERIN O'ROURKE, Senior Director RACHEL ROILAND, MS, PhD, Senior Project Manager MARCIA WILSON, PhD, MBA, Senior Vice President, Quality Measurement

ALSO PRESENT:

BRIAN ABERY, MS, PhD, Coordinator of School-Age Services, Institute on Community Integration (ICI) & Adjunct Faculty, Institute on Child Development and School Psychology Programs, University of Minnesota*

ELIZABETH FRENTZEL, MPH, Principal Research Scientist, American Institutes for Research*

BETH JACKSON, PhD, Director, Truven Health Analytics*

KAREN JOYNT, MD, MPH, Senior Advisor to the Deputy Assistant Secretary for Planning and Evaluation, Office of the Assistant Secretary for Planning and Evaluation*

KERRY LIDA, PhD, Health Insurance Specialist, Center for Medicare and Medicaid Services, HHS*

CORETTA MALLERY, PhD, Principal Researcher, American Institutes for Research*

SUSAN RAETZMAN, MSPH, Senior Research Leader, Behavioral Health and Quality Research, Analytic Consulting and Research Services, Truven Health Analytics*

RENATA TICHA, PhD, Research Associate; Director of Global Resource Center for Inclusive Education, Institute on Community Integration, University of Minnesota* ALSO PRESENT:

ROBIN YABROFF, MBA, PhD, Analyst, Office of Health Policy, Office of the Assistant Secretary for Planning and Evaluation* RACHAEL ZUCKERMAN, PhD, Office of the Assistant Secretary for Planning and Evaluation*

* present by teleconference

CONTENTS
Welcome, Recap of Day 1 Michael Monson
Summary of the Changes to the Family of Measures
Risk Adjustment for Sociodemographic Factors Karen Joynt, Senior Advisor to the Deputy Assistant Secretary for Planning and Evaluation, Office of the Assistant Secretary for Planning and Evaluation (ASPE)
Implications of the ASPE Report: Social Risk Factors and Performance Under Medicare's Value Based Payment Programs
Review of the Homework Exercise Debjani Mukherjee
Overview of Social Risk Factors Identified by Workgroup Members
Discuss Strategies for Accounting for Social Risk Factors in Quality Measures for the Dual Eligible Population
Workgroup Discussion
Guidance for Measure Developers
Gaps Discussion and Input to Measure Developers and CMS
Break

NQF Disparities Project and SDS Trial Update Update on NQF Disparities Project and Socio-Demographic Status Risk Adjustment Trial Period Erin O'Rourke. 133 Q&A Session Michael Monson, Moderator. 150 NQF Member and Public Comment. 166 Lunch. . . 167 University of Minnesota Presentation Brian Abery, Coordination of School-Age Services, Institute on Community Integration (ICI) & Adjunct Faculty, Institute on Child Development and School Psychology Programs, University of Minnesota. 169 Michael Monson, Moderator Overview of Current Measure Development Activities Discuss Strategies for Developing and Testing Measures in Population Similar to the Dual Eligible Beneficiary Population Q&A Session. 196 Break. . . 232

Neal R. Gross and Co., Inc.

HCBS Experience of Care Survey Presentation Kerry Lida, Health Insurance Specialist, Center for Medicare and Medicaid Services, HHS. 239 . . . Michael Monson, Moderator Overview of Measure Development Process and Implementation Experience Discuss Opportunities and Challenges in Using the HCBS Measures and Other Survey Based Quality Measures in the Dual Eligible Beneficiary Population Q&A Session Maintaining the Family of Measures: Measures with Changes to Endorsement Status (Day 1 Continuation). 292 Review of Measure 2967: CAHPS Home- and Community-Based Services Measures NQF Member and Public Comment. 326 Next Steps Madison Jung 328 Adjourn. . . . 330

i	
1	P-R-O-C-E-E-D-I-N-G-S
2	(9:06 a.m.)
3	CO-CHAIR MONSON: Thank you,
4	everybody. So, we are going to get going. I
5	think the goal is to try to start early so that
6	we will start on well, actually we're starting
7	late. The goal is to end early so people can
8	catch flights and things of that nature.
9	You know, as I said yesterday, we had
10	a really productive day yesterday. And again
11	appreciate everybody's continued engagement as we
12	come down to this being our last formal meeting,
13	although I'm sure that there will be some new
14	incarnation of this group. That was to put
15	pressure on Marcia to make sure that happens.
16	So, but we've got actually a lot of
17	presentations today. I think these are things
18	that we've all wanted to see and we've talked
19	about. We're going to see Charlie's team from
20	Minnesota. We're going to see the HCBS
21	experience of care survey, the new CAHPS survey.
22	We're going to hear about social determinants of

Neal R. Gross and Co., Inc. Washington DC

2	So, without further ado, I think we're
3	going to hand it over to Kate.
4	MS. BUCHANAN: Hi, everyone. My name
5	is Kate Buchanan. I am a project manager here
6	with NQF. And I just wanted to review the
7	changes that we made to the family of measures.
8	So, the workgroup voted to remove four
9	measures: the 0043, pneumococcal vaccine status
10	for older adults; 0682, the percent of residents
11	or patients assessed and appropriately given the
12	pneumococcal vaccine, short stay.
13	And the workgroup noted that they were
14	concerned about the removal of these measures
15	because of the importance of the vaccines,
16	measuring the vaccines. But they discussed that
17	there may be changing in the standards of what is
18	appropriate care, so that they will be on the
19	look out for measures, new measures dealing with
20	pneumococcal vaccination.
21	The other two measures that the
22	workgroup voted to remove are 0558, HBIPS-7, the

I

1	Post-Discharge Continuing Care Transmitted to the
2	Next Level of Care Provider Upon Discharge; and
3	0557, HBIPS-6, Post-Discharge Continuing Care
4	Plan Created.
5	And so the workgroup discussed that
6	originally these measures had been designed
7	specifically for a psychiatric population, but
8	have since been expanded. Additionally, we
9	discussed the fact that there are additional
10	post-discharge measures within the family, so we
11	decided not to replace any of them.
12	So, the workgroup voted to include
13	four new measures into the family. And there
14	were some overall comments in the workgroup on
15	these measures. They noted while many of these
16	measures are not tested specifically in a duals
17	population, there was some concern over this.
18	Additionally, there was some concern about the
19	risk stratification of each measure. But the
20	workgroup said, even though these measures are
21	not perfectly suited for the population, they can
22	improve the quality of care that dually eligible

(202) 234-4433

individuals receive and so they should be
 included in the family,.

So, with that in mind, the workgroup 3 decided to include NQF 3086, Population Level HIV 4 5 Viral Load Suppression. And the workgroup noted that this intermediate outcome measure addresses 6 7 an important aspect of care for individuals with 8 HIV, a significant portion of which are dually 9 eligible. The workgroup also included NQF 2858, 10 11 Discharge to Community. And the workgroup said that this measure focus, keeping people in the 12 13 community, aligns precisely with the workgroup's 14 charge. The other two measures that the 15 16 workgroup voted to include were NQF 2775, 17 Functional Change: Change in Motor Score for 18 Skilled Nursing Facilities. And the workgroup members really emphasized the importance of 19

20 functional measures and decided to include it in 21 the family.

22

The last measure, NQF 2776, Functional

1 Change: Change in Motor Skill in the Long Term 2 Acute Facilities. So, there was some discussion 3 around the ability to measure the short-term 4 rehabilitation in patients, but the workgroup 5 discussed the importance of functional change in 6 any care setting, including LTACs, and decided to 7 include it in the family.

8 There were three new endorsed measures 9 the workgroup decided not to include. And those 10 are NQF 2614, CoreQ: Short Stay Discharge 11 Measure; NQF 2615, CoreQ: Long-Stay Resident 12 Measure; and NQF 2616, CoreQ: Long-Stay Family 13 Measure.

14 And the workgroup wanted to really emphasize that PROs and family-reported outcomes 15 16 are incredibly important to include in the 17 family, and that there are few opportunities for 18 individuals and their family members to provide 19 feedback on the institutional care they receive. 20 Although, with this in mind, there was incredible 21 concern about the validity of the responses. 22 They were concerned that the measures will be

skewed towards a positive outcome for the 1 2 facility. And with regards to NOF 2615 and NOF 3 4 2616, workgroup members were not sure that the 5 questionnaires were accessible to individuals with literacy, health literacy, and cognitive 6 7 function impairments, but that they really wanted 8 to note in the report the importance of PRO in 9 family-reported outcome measures. 10 So, with that, I want to see if there 11 are any questions or comments? 12 (No response.) 13 MS. BUCHANAN: Seeing none, I will 14 turn it over to our first presentation. And I want to briefly introduce our presenters. 15 16 Karen Joynt is a cardiologist at 17 Brigham and Women's Hospital. Rachael Zuckerman 18 and Robin Yabroff are analysts at ASPE. 19 Dr. Joynt led the ASPE team that 20 completed the first report to Congress on social 21 risk factors and Medicare payment policy. And 22 Dr. Yabroff is leading the team currently working

1	on the second report.
2	And I just want to make sure that we
3	are able to hear Karen, Rachael, and Robin?
4	DR. JOYNT: This is Karen. Can you
5	hear me?
6	MS. BUCHANAN: Yes.
7	DR. YABROFF: This is Robin.
8	MS. BUCHANAN: Great.
9	DR. ZUCKERMAN: And this is Rachael.
10	MS. BUCHANAN: Wonderful. And if you
11	wouldn't mind, just when it's time to move to the
12	next slide, just say "next" and we'll move the
13	slides for you.
14	And with that, I'll hand it off.
15	DR. JOYNT: Great. Thank you so much
16	for having us this morning. We're really excited
17	to get to talk with you. And from even the
18	little bit of your meeting that we just got to
19	sit in on, I think we're going to learn a lot
20	from what you can tell us about emerging measures
21	as we get through our presentation here. So
22	we're going to try to keep the presentation

(202) 234-4433

pretty brief, and then we'll very much look
 forward to your feedback.

I'm going to go through a brief 3 4 overview of our first report. And then Robin 5 will take the baton and go through our plans for the second part of the study. And so, hopefully, 6 7 we'll get a chance to update you on where we have 8 been and where we're going, and get your feedback 9 on where we should be headed. So we really 10 appreciate your time. 11 Next slide, please. 12 So, as you all know, we worked Okay. 13 on this report because of the IMPACT Act, the 14 Improving Medicare Post-Acute Care Transformation ASPE was charged with addressing the issues 15 Act. 16 of social risk factors which, as you certainly 17 all know, play a major role in health. And as 18 higher levels of provider accountability move 19 across nearly all Medicare settings, the issue of 20 social risk and value-based payment really have 21 started to intersect.

22

And so the IMPACT Act mandated

essentially four pieces of work. And we'll talk 1 2 about almost all of them today. So, first, a study of the impact of 3 socioeconomic status, which we've reframed as 4 social risk, on quality and resource use in 5 Medicare using existing socioeconomic data, which 6 is what I'll be talking about first. 7 Second, a study of the impact of 8 9 socioeconomic status on quality and resource use 10 in Medicare using measures from new data sources, like education, health literacy, et cetera. 11 And 12 that's what Robin's going to be talking about. 13 Third, a qualitative analysis of data 14 sources and context around defining SES. And for that we had the National Academy of Medicine do a 15 16 wonderful set of reports sort of doing a deeper 17 dive into the background and context around a lot 18 of these issues which we'd refer you to as well. 19 And then a final report with 20 recommendations due in 2019. 21 Next slide, please. So, the way that 22 the report is set up -- I don't know how many of

you had a chance to look through it -- but the 1 2 intent was to set it up such that once you sort of knew what one chapter was going to look like, 3 the rest would follow a similar setup. 4 So I'll 5 talk through sort of a generic setup here. We selected a set of social risk 6 7 factors. The predominant one ended up being dual 8 enrollment in Medicare and Medicaid, which is 9 convenient for this committee. But it wasn't selected just randomly. It was selected because 10 11 in our analyses it was really consistently the 12 most powerful social risk factor that we 13 examined. So many of these other factors: 14 residents in low income areas, black race, 15 Hispanic ethnicity, rural residents, and 16 disability were important factors, but fairly consistently the dual enrollment dominated. 17 So 18 that's what we'll really focus on. 19 We looked across the Medicare payment 20 programs that are currently in place that 21 incorporate resource use and quality measures. 22 And if your screen is as small as mine, I suspect

1those are very, very small boxes. But2essentially there's three value-based payment3programs in the hospital setting.4In the ambulatory setting we looked at5Medicare Advantage, MSSP, and the value-based6payment modifier which will sunset and turn into7MIPS in a few years.8And then facility-based, so dialysis9facilities, nursing facilities, and home health10agencies. Those last two we really just did some11exploratory analyses because those programs are12still in the sort of getting-up-and-running13stage.14Next slide, please.15So, we really had two main findings.16There's lots and lots of little findings. But I17think one thing that was impressed upon us when18we put it all together was really that there were19patterns across the different settings. And so20we found both patient and provider effects. So21I'll talk through each of those.22So, first, we found that beneficiaries		
 programs in the hospital setting. In the ambulatory setting we looked at Medicare Advantage, MSSP, and the value-based payment modifier which will sunset and turn into MIPS in a few years. And then facility-based, so dialysis facilities, nursing facilities, and home health agencies. Those last two we really just did some exploratory analyses because those programs are still in the sort of getting-up-and-running stage. Next slide, please. So, we really had two main findings. There's lots and lots of little findings. But I think one thing that was impressed upon us when we put it all together was really that there were patterns across the different settings. And so we found both patient and provider effects. So I'll talk through each of those. 	1	those are very, very small boxes. But
4In the ambulatory setting we looked at5Medicare Advantage, MSSP, and the value-based6payment modifier which will sunset and turn into7MIPS in a few years.8And then facility-based, so dialysis9facilities, nursing facilities, and home health10agencies. Those last two we really just did some11exploratory analyses because those programs are12still in the sort of getting-up-and-running13stage.14Next slide, please.15So, we really had two main findings.16There's lots and lots of little findings. But I17think one thing that was impressed upon us when18we put it all together was really that there were19patterns across the different settings. And so20we found both patient and provider effects. So21I'll talk through each of those.	2	essentially there's three value-based payment
 Medicare Advantage, MSSP, and the value-based payment modifier which will sunset and turn into MIPS in a few years. And then facility-based, so dialysis facilities, nursing facilities, and home health agencies. Those last two we really just did some exploratory analyses because those programs are still in the sort of getting-up-and-running stage. Next slide, please. So, we really had two main findings. There's lots and lots of little findings. But I think one thing that was impressed upon us when we put it all together was really that there were patterns across the different settings. And so we found both patient and provider effects. So I'll talk through each of those. 	3	programs in the hospital setting.
 payment modifier which will sunset and turn into MIPS in a few years. And then facility-based, so dialysis facilities, nursing facilities, and home health agencies. Those last two we really just did some exploratory analyses because those programs are still in the sort of getting-up-and-running stage. Next slide, please. So, we really had two main findings. There's lots and lots of little findings. But I think one thing that was impressed upon us when we put it all together was really that there were patterns across the different settings. And so we found both patient and provider effects. So I'll talk through each of those. 	4	In the ambulatory setting we looked at
 MIPS in a few years. And then facility-based, so dialysis facilities, nursing facilities, and home health agencies. Those last two we really just did some exploratory analyses because those programs are still in the sort of getting-up-and-running stage. Next slide, please. So, we really had two main findings. There's lots and lots of little findings. But I think one thing that was impressed upon us when we put it all together was really that there were patterns across the different settings. And so we found both patient and provider effects. So I'll talk through each of those. 	5	Medicare Advantage, MSSP, and the value-based
8 And then facility-based, so dialysis 9 facilities, nursing facilities, and home health 10 agencies. Those last two we really just did some 11 exploratory analyses because those programs are 12 still in the sort of getting-up-and-running 13 stage. 14 Next slide, please. 15 So, we really had two main findings. 16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	6	payment modifier which will sunset and turn into
9 facilities, nursing facilities, and home health agencies. Those last two we really just did some exploratory analyses because those programs are still in the sort of getting-up-and-running stage. 13 stage. 14 Next slide, please. 15 So, we really had two main findings. 16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when we put it all together was really that there were patterns across the different settings. And so we found both patient and provider effects. So 21 I'll talk through each of those.	7	MIPS in a few years.
10agencies. Those last two we really just did some11exploratory analyses because those programs are12still in the sort of getting-up-and-running13stage.14Next slide, please.15So, we really had two main findings.16There's lots and lots of little findings. But I17think one thing that was impressed upon us when18we put it all together was really that there were19patterns across the different settings. And so20we found both patient and provider effects. So21I'll talk through each of those.	8	And then facility-based, so dialysis
<pre>11 exploratory analyses because those programs are 12 still in the sort of getting-up-and-running 13 stage. 14 Next slide, please. 15 So, we really had two main findings. 16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.</pre>	9	facilities, nursing facilities, and home health
<pre>12 still in the sort of getting-up-and-running 13 stage. 14 Next slide, please. 15 So, we really had two main findings. 16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.</pre>	10	agencies. Those last two we really just did some
13 stage. 14 Next slide, please. 15 So, we really had two main findings. 16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	11	exploratory analyses because those programs are
14Next slide, please.15So, we really had two main findings.16There's lots and lots of little findings. But I17think one thing that was impressed upon us when18we put it all together was really that there were19patterns across the different settings. And so20we found both patient and provider effects. So21I'll talk through each of those.	12	still in the sort of getting-up-and-running
15So, we really had two main findings.16There's lots and lots of little findings. But I17think one thing that was impressed upon us when18we put it all together was really that there were19patterns across the different settings. And so20we found both patient and provider effects. So21I'll talk through each of those.	13	stage.
16 There's lots and lots of little findings. But I 17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	14	Next slide, please.
17 think one thing that was impressed upon us when 18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	15	So, we really had two main findings.
18 we put it all together was really that there were 19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	16	There's lots and lots of little findings. But I
19 patterns across the different settings. And so 20 we found both patient and provider effects. So 21 I'll talk through each of those.	17	think one thing that was impressed upon us when
20 we found both patient and provider effects. So 21 I'll talk through each of those.	18	we put it all together was really that there were
21 I'll talk through each of those.	19	patterns across the different settings. And so
	20	we found both patient and provider effects. So
22 So, first, we found that beneficiaries	21	I'll talk through each of those.
	22	So, first, we found that beneficiaries

1	with social risk factors had worse outcomes of
2	quality measures, regardless of the providers
3	they saw. And dual enrollment status was the
4	most powerful predictor of poor outcomes.
5	So, even when we ran models in which
6	we were only comparing folks within the same
7	practice or hospital or contract, there really
8	was a significant and pretty consistent effect,
9	especially of dual status, in terms of
10	performance on quality measures across the board,
11	not only normally process measures but outcome
12	measures and resource use measures.
13	However, of course, the story is more
14	complicated than that. And our second finding
15	was that there was also a provider effect. So,
16	providers that disproportionately served
17	beneficiaries with social risk factors tended to
18	have worse performance on quality measures, even
19	after accounting for their beneficiary mix. And
20	we can talk about why that might be the case, but
21	it was essentially, instead of a simple finding,
22	we ended up with a more complicated one, that we

see both a beneficiary effect and a provider effect.

1

2

3	And the consequence of these effects
4	is that under all five value-based purchasing
5	programs in which penalties are currently
6	assessed, these providers had somewhat higher
7	penalties than the providers serving fewer
8	beneficiaries with social risk factors.
9	Next slide, please.
10	So, here's an example. And the
11	details here don't really matter, but I'm just
12	going to try to walk you through the picture to
13	sort of get a visual for the type of findings.
14	So this is looking at quality measures
15	within the Medicare Advantage program, which are
16	a range of measures from process to outcome. And
17	you can see here all the red bars indicate where
18	dual enrollees had lower odds of meeting the
19	measure. So, for diabetes, for example, blood
20	sugar control, up at the top there, they had 32
21	percent lower odds of meeting the measure. As
22	you go down, those effects get smaller. So, very

(202) 234-4433

small differences, for example, in kidney
 disease, the other end of the red bars, at only 7
 percent.

And as you get down to measuring 4 5 physical activity and BMI assessment there was no difference. And for whatever reason, reducing 6 risk of falling, that quality measure was much 7 8 more often met in dually enrolled individuals. 9 But, essentially, we saw a reasonably consistent pattern of a sort of a small to moderate dual 10 effect across a wide range of measures. 11

12 Next slide, please. What that 13 translated into was that when we had Medicare 14 Advantage contracts with a high proportion of duals, they were much, much less likely to meet 15 16 the four-star bonus threshold, which is once you 17 get four stars you're eligible for a 5 percent 18 bonus. So there's sort of a natural cut-off at 19 four stars built into the program.

20 And you can see here that, on the left 21 side of the screen, 72 percent of contracts with 22 the lowest proportion of dually enrolled

(202) 234-4433

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

individuals were able to meet four stars, 1 2 compared with only 26 percent of those in the highest guintile of dual enrollees. 3 Next slide, please. Now, of course, 4 5 this group is probably one for which this slide will be almost self-evident, saying that there 6 are differences doesn't answer the whys of why 7 8 there are differences. And, certainly, one 9 solution will not address all causes. So I think we realized in doing this 10 work that it actually isn't just about whether or 11 12 not you adjust the measures, because so many 13 things are feeding into these patterns that we 14 see that we wanted to sort of take the opportunity and expand the discussion to think 15 16 through what these factors are and how we might 17 sort of start a conversation about the ways that 18 measurement and quality programs actually 19 influence these outcomes. 20 Certainly, on the bottom left, quality 21 of care, you know, we did find that providers

serving a high proportion of duals seem to

(202) 234-4433

22

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

1 provide lower quality.

2	We also know that duals have higher
3	medical risk that's measured, which is
4	incorporated into some quality measures and not
5	into others. We know that they have higher
6	medical risk that's unmeasured, things like
7	functional status. And so I loved seeing the
8	conversation right before we started about how to
9	measure things like that.
10	We also know that duals have lower
11	levels of social support and tend to live in more
12	areas with higher levels of neighborhood
13	deprivation, for example.
14	We know that there are issues with
15	medication compliance and lifestyle, things like
16	tobacco use among low income beneficiaries, that
17	may contribute to outcome. And we certainly know
18	that in life in general, many individuals with
19	social risk factors face bias. And all of these
20	things can feed into the ways that worse outcomes
21	manifest in these groups.
22	Next slide, please. So we came up

with three sort of strategic goals in thinking about how Medicare and HHS might really start to think about how social risk interacts with the value-based payment programs. And these are all considerations for policymakers and clinical leaders and other folks to sort of get started on.

8 So, the first big strategy is to 9 measure and report quality for beneficiaries with social risk factors. The first bullet point 10 under that is essentially saying that we need to 11 12 have adequate data collection and statistical 13 techniques to allow us to measure and report 14 performance for these groups about which we're particularly worried, so that we can see and 15 16 monitor and track progress into reducing 17 disparities.

18 The second bullet point talks about 19 introducing health equity measures or domains 20 into existing payment programs. And we don't 21 know what those would look like, and we certainly 22 look forward to your thoughts about that. But

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

1	not only measuring performance but actually
2	measuring equity, and publicizing those
3	measurements through programs, would be one way
4	to bring this more front and center.
5	And, third, prospectively monitoring
6	the Medicare payment program, and as new payment
7	programs roll out, understanding their impact on
8	the providers that disproportionately serve
9	beneficiaries with social risk factors feels like
10	an important thing as well.
11	Next slide, please. The second big
12	strategic bucket is to set high, fair quality
13	standards for all beneficiaries, which is sort of
14	a shorthand for saying that we don't have one
15	recommendation about whether or not measures
16	should be adjusted or not. Each measure is
17	different. And so each measure should be
18	examined to determine if adjustment for social
19	risk factors is appropriate, which is exactly
20	what the NQF has been undertaking during its
21	trial period.
22	And really, I think, for us at HHS,

and also for folks who have been involved in that trial period, it's been very illustrative to see just how complex and varied these relationships are.

The second part here is also germane 5 to the conversation you all were just having, 6 7 which is that we would encourage the measure development community to continue to study 8 9 measures to determine whether differences in health status may underlie some of these observed 10 relationships. So, things like functional 11 12 status, which are hard to measure, but we know 13 are important. Things like disability or 14 frailty. Ways that could better pick up some of the differences between patients with social risk 15 16 factors and those without, that we might be able 17 to pick up using, for example, claims data, functional status data, or patient-reported 18 19 outcome measures. 20 Next slide, please. 21 And, finally, the third strategic

heading here is to reward and support better

Neal R. Gross and Co., Inc. Washington DC

22

1

2

3

outcomes for beneficiaries with social risk 1 2 factors. And so the first bullet talks about creating targeted financial incentives within 3 value-based purchasing programs to reward 4 achievement of high quality and good outcomes or 5 significant improvement among beneficiaries with 6 7 social risk factors. And this would be a way to 8 try to offset some of the perceived risk of 9 caring for these folks under value-based payment 10 programs.

11 Bullets two and three really talk 12 about targeted support, technical assistance, and the potential for demonstrations or models that 13 14 really focus on the providers that serve beneficiaries who are at risk, as well as the 15 16 beneficiaries themselves. How can we really 17 innovate in the ways that we know we should be in 18 terms of things like integration of behavioral 19 health, or care coordination, or linking with 20 social services, or whatever people think are the 21 best ways to innovate around this population. Are there ways that we could perhaps encourage 22

that innovation to really start to change disparities?

And then, finally, additional research 3 4 on the cost of providing -- or the cost of 5 achieving good outcomes for beneficiaries with social risk factors, to think about what sort of 6 7 resources it might take and how those could be 8 deployed to try to address these issues. 9 So that's a very fast, high level overview of a big report. But hopefully it gives 10 11 you a flavor for sort of the themes that we've 12 tried to hit. And we can either pause there or 13 we can move on to Study B and do questions at the 14 Do you all have a preference? end. I think we have some 15 CO-CHAIR MONSON: 16 questions now. So, if that's okay, we'll start 17 with that. 18 MEMBER CUELLAR: Yeah, if you don't 19 mind, could you give us an example of Number 1, 20 your targeted financial incentive? How would you 21 envision that?

22

1

2

DR. JOYNT: Sure. Yeah, I can give

two examples, actually, of existing things in Medicare.

So, the first is what the Medicare 3 4 Advantage program implemented on a trial basis 5 this year, which is essentially a small adjustment given to contracts based on their 6 7 proportion of dual and disabled individuals. So 8 they did a fairly complex modeling approach, 9 found what the differences were on performance, and then turned that back into a bit of a bonus 10 11 for contracts with a high proportion of dual and 12 disabled individuals that fed into the Star 13 system.

14 Another example, one that we talk about more in the report, is actually a current 15 16 bonus opportunity in the physician value-based 17 payment modifier program. And that program has 18 only been in -- I guess it's paying in its second 19 year now, so it's pretty new. But in the first 20 year the setup was such that if you are a low-21 cost/high quality or average cost/high quality performer you're eligible for a bonus. 22 And the

> Neal R. Gross and Co., Inc. Washington DC

1

flip side, if you're high cost and low quality
 you're eligible for a penalty or a negative
 payment adjustment.

But there's also an additional bonus 4 5 opportunity, which is that if you earn a bonus, you can get a double bonus if you happen to have 6 7 a very sick patient population. So, if your patients are in the highest quartile of medical 8 9 risk, you have an additional bonus opportunity. That's not social risk, but it was an example 10 11 within the current Medicare programs where there 12 has been creative thinking about how, you know, 13 bonuses or adjustments could be used based on the 14 patient population that folks are treating. So, following up, did 15 MEMBER CUELLAR: 16 you also discuss stratifying in terms of the 17 reporting of these outcomes so that one could at

DR. JOYNT: Yeah. So that was our, it's the first bullet under Number 1. And we don't use the word "stratifying" because it caused a lot of confusion actually.

least see where these disparities are?

Neal R. Gross and Co., Inc. Washington DC

1	There's a couple ways you could
2	stratify. You could stratify by practices or by
3	hospital. So, you know, the 21st Century Cures
4	Act includes language stratifying hospitals under
5	the Hospital Readmissions Reduction Program.
6	What we were really talking about was
7	I think what you're bringing up, which is almost
8	like subgroup reporting. It's stratifying the
9	patients and saying how can we develop the data
10	capabilities and statistical capabilities to be
11	able to say, "Here's how our dually enrolled
12	population is performing on cancer screening.
13	Here's how our Hispanic population is performing
14	on diabetes control." Whatever the issue may be.
15	A lot of the measures right now,
16	certainly not some of the big ones like
17	admissions or readmissions, but many of the
18	quality measures that are a sample of patients,
19	the sample sizes are very small when you get down
20	to subgroups within practices or contracts or
21	hospitals. So it's not even feasible with
22	current data to sort of across-the-board make

that happen.

1

2	So it will require some thought both
3	on data collection, burden of data collection, of
4	course, and also on the statistical techniques to
5	be able to do that. But, yeah, our intent was to
6	sort of spark that conversation with that bullet
7	point.
8	MEMBER ROSS: Hi. This is Clarke
9	Ross. In 2013 and '14, this workgroup spent two
10	years looking at four major subpopulations in the
11	duals population. And maybe D.E.B. or the staff
12	or Jennie or somebody could remind me precisely
13	what the four subgroups were. But my question
14	was, if you examine those reports, you considered
15	stratifying your analysis based on these four
16	different population dynamics. Because at the
17	time we thought it was really important to
18	differentiate 30-year-old people with severe
19	intellectual disabilities, 72-year-old so-called
20	frail, elderly folks, to get a better picture of
21	the duals population.

22

So, my question is, were you aware of

those, of our effort to look at those four 1 2 populations, and what were your thoughts in building them into your analysis? 3 4 DR. JOYNT: Yeah, that's a great 5 I cannot speak to whether or not we point. reviewed your work or not. I know we looked at a 6 7 lot of stuff. But I will certainly look back and 8 see. 9 I guess the fairest answer is "sort 10 of." So, I suspect what you're talking about is the dual, non-aged, dual-aged, and then the folks 11 12 with comorbid disability as the initial -original reason for Medicare entitlement. And we 13 did some of that. 14 In some of the measures, and some of 15 16 the programs, that disability variable was 17 actually built in. And in many of the measures, 18 the under-65s are excluded. So in our report, 19 it's a bit of a grab bag, actually, exactly who's 20 in what, because of the ways that the different 21 measures are built. 22 You know, part of something that we

touch on in the report, though I didn't put it in the slides here, is that there's really not probably enough understanding of the under-65s, in part because they're excluded from many of the quality measures because they're thought to be a different population. But that's probably where a lot of risk lies.

8 Another thing we looked at, and I'm 9 not sure if this is one of the groups that you were looking at, but it's full versus partial 10 And we found that the partials looked 11 duals. 12 much more like the fulls than they looked like 13 the nons, if that makes sense. So when we looked 14 at performance on quality measures, the partial duals were perhaps a little better than the full 15 16 duals, but they were not -- they looked more 17 similar to the full duals than they did to the 18 non-duals.

And I think that's because when you're talking about full or partial duals you're still talking about pretty low income. And so we did lump those two groups together after looking at

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

2	But if you could forward along any of
3	that prior information we'd love to review it as
4	we think through the second part of the study.
5	CO-CHAIR CHIN HANSEN: Right. Just to
6	fill in the other two groups, other than what
7	Clarke mentioned, were people who were duals and
8	substance abuse category, as well as severe
9	mental illness category. So, those comprised the
10	four clusters that we looked at for a couple of
11	years as a backdrop.
12	DR. JOYNT: Got it. We'd love to see
13	that and think about it as we move into the
14	second part of the study. That would be great if
15	someone could send that along or direct us to
16	where it is.
17	CO-CHAIR MONSON: Tom.
18	MEMBER LUTZOW: Yeah, this is Tom
19	Lutzow with iCare. We're a managed health plan.
20	The IMPACT Act is quite a
21	breakthrough, I think. But, you know, just
22	looking back, I wish Part C plans had somehow

been included strategically, because it is a 1 2 measure of interest to plans. It features interconnectivity, encourages electronic 3 interconnectivity between key providers, all 4 joined around a common end. And it would have 5 been helpful if somehow Part C plans were 6 7 included. But that's water over the dam. 8 The observation that we have, we're 9 spending a lot of time on transitions of care and readmissions with our key systems. And of course 10 we're concerned about 30-day readmits. 11 But if 12 you go out to 60 and 90, with some segments of 13 the population we're seeing, you know, 24, even 14 30 percent readmission within 30 days. But if we go out 90 days, it's more like 50, 60 percent. 15 16 And so, you know, I think a longer 17 perspective is probably important from a 18 recovery, quality of life, savings perspective, 19 all the Triple Aim stuff. And it probably 20 starts, in our case it does start with a 21 readmission risk assessment in the hospital. 22 Those that score 11 or higher on the scale are
1 followed to home, if they let us follow to home. 2 And a good percentage don't want us in the house. So, you know, there's that difficultly too. 3 4 But, you know, just an observation 5 that the real impact here may be at the 60-90 day level than at the 30-day level. 6 DR. JOYNT: 7 I think that's a terrific 8 thought. And I love your comment about the home 9 visits as well. This is, you know, I think in the hospital setting people worry about how long 10 11 you get out that's away from sort of control of 12 the hospital. In the contract or the ACO or the 13 14 primary care setting maybe it's the opposite, 15 maybe we think about admissions instead of 16 readmissions as sort of the, I don't know, locus 17 of control or something. So your point is very 18 well taken. Thank you. 19 MEMBER BRINGEWATT: This is Rich Yes. 20 Bringewatt with the SNP Alliance. 21 As you probably know, this is a particularly important issue for our 22

organization, and a particularly important issue 1 2 for this workgroup. So, you know, really appreciate all you've done in this area. 3 A couple of questions relative to the 4 5 research you did do, thinking about next steps in There's some discussion as to 6 particular. 7 whether, in terms of performance reporting, the 8 best alternative is to look at sub-populations to 9 compare apples to apples, so that if there is a

reporting public comparison of how plans perform
on Stars, you look at certain kind of SNPs versus
other certain kinds of SNPs, as opposed to SNPs
versus MMPs as a reporting process.

14 Another kind of general approach is to 15 do risk adjustment on the different performance 16 measurement. And the assumption is, if you do 17 risk adjustment, if you adjust for social 18 determinants of health on those performance 19 measures, then you can do a proper comparison 20 before, because it's adjusted for. 21 Seems to me like that probably is

22

Neal R. Gross and Co., Inc. Washington DC

going to take a while in order to really get at

that, as well as it's dependent upon kind of 1 2 findings of the stewards of the measures. And so a second part of that question of comparison 3 4 groups versus risk adjustment is, do you have any 5 recommendations to stewards of measures for how they account for social risk factors, and other 6 7 factors, you know, such as care complexity and 8 its interventions? 9 But the methodology for addressing

10 social risk factors, it seems to me, is as 11 important as doing it. And if you don't fully 12 take into account, particularly, as an example, 13 neighborhoods and going down to 9-digit ZIP 14 level, stay at a higher level where you have a 15 mix of different income groups, you get different 16 results.

So, comment on those two questions.
DR. JOYNT: I wish we could hand over
part of our second report to you to write,
because those are all the things that we've been
grappling with, too. I don't think there is a
perfect solution, unfortunately. There's pros

and cons to adjusting, there's pros and cons to stratification. And so part of the next couple years is going to be working with various groups to try to figure out in what situations is each approach best suited.

And, you know, actually if you look in 6 7 the Medicare Advantage chapter in the report, it 8 looks like, if you look at the relationship 9 between proportion, dual, and performance, it looked a little bit like a Nike swoosh in that 10 11 the contracts that actually had the highest, the 12 very highest proportion of duals tended to do a little bit better for the duals. So there, you 13 14 know, there is something to be said for a group that looks more alike in which folks are 15 16 actually, I think probably -- I don't know this 17 for sure -- but probably investing in the types 18 of things that can really start to make a 19 difference in those populations.

20 So there's, you know, pockets of 21 innovation and things that we need to learn from. 22 So I don't think that adjusting everything or

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

stratifying everything is actually the right approach across the board. And that's the tricky part that we, and, frankly, CMS who has to think about these things in a much more implementationfriendly standpoint than we do, will really think through a lot of in the next couple years.

7 MEMBER BRINGEWATT: If I could still 8 do a brief follow-up on that, and that is 9 quidelines as it relates to stewards or developers of measures in looking at the effects 10 of social determinants of health or social risk 11 12 factors on their measure. And that's been an 13 important role of the National Quality Forum here 14 in telling performance measure stewards that they need to make this, you know, they need to do the 15 16 analysis.

But there's still a question as to how they do the analysis and in terms of what the results might be. And wondered whether you have any comments relative to that.

21 DR. JOYNT: You know, in terms of the 22 measure development, we have largely left that to

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

It's been a pretty spectacular effort to 1 NOF. 2 corral all of that information and get it into this trial period. So we have not been -- we 3 4 have not given particular guidance on how that 5 should look. I think as that trial period continues 6 7 and concludes and decisions are made and all that 8 sort of thing, we will be following that very 9 closely. And it's terrific work, and we would certainly be remiss if we didn't take a very 10 11 close look at the results of all of that work 12 that was done when we think through where we should be headed. 13 14 MEMBER BRINGEWATT: Are these slides 15 available? They're not, but the 16 DR. JOYNT: 17 report is. So all of this comes pretty directly 18 from the executive summary of the report, which 19 is the first, I don't know, 15 pages or 20 something. And then the last maybe 17 pages have 21 a similar thing but with all the detail in terms of there's tables with the detailed findings for 22

each program in the last chapter. So, the first
 and the last chapter will look very, very similar
 to these slides.

4 MEMBER BRINGEWATT: It's just a nice 5 composite of information as the PowerPoint is 6 presented, and was wondering whether that was 7 available.

DR. JOYNT: Not currently.

9 MEMBER PARKER: I don't have a 10 question for the report exactly, but I wondered 11 if someone would just clarify again for me the categories, the subgroups that NQF developed in 12 13 the MAP group. Because, Clarke, when you said a 14 72-year-old frail elderly, that's a real odd duck these days. You know, that's a real severe 15 16 thing, because they're not so much that.

And so I think in terms of the old, the older old, which, you know, average is over age 85 usually. And then, you know, then there's the under-65 people with disabilities. And then some of those have IDD, and some of them have SPMI and substance abuse, usually. So think of

> Neal R. Gross and Co., Inc. Washington DC

8

those four groups.

1

2	So I don't know what the groups were
3	that you guys were thinking of, or that you guys
4	came up with. It would be helpful to know that
5	just to put this in context of, like, what Rich
6	is talking about, you know, and what this report
7	is talking about.
8	MEMBER POTTER: I just had a follow-up
9	on Pam's. In my memory, I thought one of the
10	groups was the cognitively impaired. So, maybe
11	we should go back and dig up the report and
12	remind us all.
13	MEMBER PARKER: Yeah, it would be
14	helpful to have that.
15	CO-CHAIR MONSON: So, do you have a
16	burning question, Joy, or can we move on to the
17	next presentation? Because they have another
18	full presentation we've got thirty minutes left.
19	But you get to go first, then, after the
20	presentation.
21	All right, we're turning it back to
22	our friends from ASPE to continue.

1	DR. JOYNT: Great. Robin, do you want
2	to run with Study B?
3	DR. YABROFF: Sure. Thanks, Karen.
4	And also thanks, everyone, for these really great
5	questions.
6	I also want to reiterate before I
7	start that we are very, very interested in your
8	input and feedback. And what I'm going to be
9	presenting is where we are to-date. We are in
10	the middle of moving a lot of the projects
11	forward related to what we call Study B. So your
12	input's going to be really helpful.
13	So if we could have the next slide,
14	please.
15	So, just to recap, as Karen said
16	earlier, across a broad set of measures and
17	programs we found that beneficiaries with social
18	risk factors tend to have poorer health outcomes
19	regardless of the providers that they see. And
20	that also that providers serving as beneficiaries
21	tend to have poorer performance, regardless of
22	the patients they serve. And they are also more

45

1

likely to be penalized.

2	Again, as Karen said, we don't really
3	know why these patterns exist. It could be that
4	beneficiaries have poor outcomes because they
5	have high levels of medical risk. They could
6	have worse living environments, greater
7	challenges in adherence and lifestyle, or they
8	may experience bias and discrimination.
9	Importantly, providers may also have
10	poorer performance because they have fewer
11	resources. They may also have more challenging
12	clinical workloads, lower levels of community
13	support, or worse quality. And many of these
14	factors with both beneficiaries and providers are
15	not easily measured with currently available
16	data.
17	So this is what really where we're
18	going to try and dig down a big for Study B.
19	If I could have the next slide, please.
20	So, just to give you a quick overview
21	of our plans for Study B, we plan to build on the
22	first report to Congress framework, which Karen

1	described, where we evaluate risk factors and
2	their effects on beneficiary outcomes and
3	provider performance by program. We're going to
4	use a conceptual framework and recommendations
5	from a series of National Academy's reports. And
6	this picture here is the summary report:
7	Accounting for Social Risk in Medicare Payment.
8	We're going to be exploring new
9	measures of social risk and evaluate both medical
10	and social risk factors that are prevalent in
11	dually eligible beneficiaries. And then,
12	finally, examine program impacts and policy
13	solutions.
14	If I could have the next slide,
15	please. So, this slide shows the cover of the
16	first report that was produced by the National
17	Academy: Social Risk Factors in Medicare Payment.
18	And they identified five main social
19	risk factors, the first being socioeconomic
20	position: things like poverty, education, health
21	insurance; race, ethnicity, cultural context;
22	gender and gender identity; social relationships,

1	things like marital and partnership status,
2	living alone, instrumental social support;
3	residential and community context, and that's
4	where things like neighborhood deprivation or
5	high levels of inequality come into play.
6	They also identified a related factor:
7	health literacy. And it was mentioned in the
8	request for a report, but they didn't identify it
9	as a social risk factor per se.
10	And then, finally, the National
11	Academy identified disability more as a product
12	of social risk and health conditions, but they
13	did not define it as a social risk per se.
14	So if I can move on to the next slide.
15	So, the fourth report in the National Academy's
16	reports had recommendations for new data sources
17	that we could evaluate for evaluating and
18	measuring social risk. Some of those data
19	sources identified include surveys that can be
20	linked to Medicare claims data. The Medicare
21	Current Beneficiary Survey, the MCBS, is an
22	annual panel survey and includes about 15,000

Neal R. Gross and Co., Inc. Washington DC

I

Medicare beneficiaries. And then there's also
 the American Community Survey.

And our plan is to link the American 3 4 Community Survey at the individual level so we 5 will have different levels of aggregation. Typically, ACS data are used at the area like the 6 7 census block or census block group level, but 8 we'll also have the individual level through this 9 That has about 600,000 Medicare linkage. beneficiaries per year. 10 11 So, although both types of surveys 12 have very rich data on social risk, the sample 13 sizes in these surveys are going to limit the 14 scope of the analyses that we can do. 15 Next slide, please. 16 So, we are going to be exploring the 17 measures of social risk, as I said, using survey 18 data-based projects with the MCBS and the 19 American Community Survey. And our goals in 20 these analyses will be to assess which social

22

21

Neal R. Gross and Co., Inc. Washington DC

risk factors are the strongest predictors of poor

outcomes, to explore interrelationships between

(202) 234-4433

www.nealrgross.com

1	individual and community measures of social risk,
2	and also beneficiary outcomes, and then determine
3	how these different risk factors influence
4	provider performance.
5	The next slide, please.
6	We also have other projects that we
7	plan which will evaluate medical or social risk
8	factors that are more prevalent in dually
9	eligible beneficiaries. And here we're thinking
10	about things like frailty and disability, using
11	claims data-based projects, with a much larger
12	sample, to look at existing claims-based
13	measures, such as readmissions, admissions, and
14	costs.
15	And the goals here will be to identify
16	and validate new measures of medical risk
17	factors, assess relationships with social risk
18	factors, assess relationships with beneficiary
19	outcomes, and then also evaluate the influence of
20	these risk factors on provider performance.
21	Next slide, please.
22	So, with that, I would like to open it

up again to both discussions and questions. 1 I've 2 listed, or we've listed our mailbox, if you have any ideas that you would like to share or if the 3 4 discussion doesn't allow a full -- you know, we 5 don't have an opportunity to ask additional This is a really good way to contact 6 questions. 7 So it's aspeimpactstudy@hhs.gov. us. So, with that, if anyone has questions 8 9 or comments, we're really interested in a broader discussion. 10 11 MEMBER HAMMEL: Hi. This is Joy 12 Hammel. I had a question on how you're assessing 13 social support and relationships. And, 14 specifically, are you doing anything impact on that for dual eligibles and analysis of it? 15 16 DR. YABROFF: So we have a number of 17 measures in the Medicare Current Beneficiary 18 Survey related to activities of daily living and 19 IADL, instrumental activities of daily living. We also have information about marital status and 20 21 housing and living structure. So, in some of our 22 survey-based analyses we will have some of those

data.

2	CO-CHAIR CHIN HANSEN: Hi. This is
3	Jennie Chin Hansen. And I have my previous
4	background with the original PACE program.
5	As I look at the way of drilling down
6	in terms of factors, which is obviously both
7	appropriate and needed, have you done a corollary
8	look at just the reverse? In other words, having
9	the variables of SES, neighborhood and all, and
10	having outcomes, frankly, that are good? So it's
11	the reverse study to look at kind of cultural
12	deviance of places that are possible so that it's
13	a way of just taking a look at what's different
14	about these communities or areas that allow a
15	reasonable, or if not good, quality to show up.
16	And related to that was a question I
17	was going to ask previously, but offer this: the
18	national PACE programs actually number in 31
19	states now. I think their N is still small for
20	what you're looking at, but it is 40,000
21	enrollees. And wondered if you had a chance to
22	connect with their national association to ask

www.nealrgross.com

1	about some of their data. Because I'd say 90, 97
2	percent of their enrollees are duals.
3	DR. YABROFF: So, I'm going to take a
4	first crack. And then I will also ask Karen to
5	talk a little bit about prior work.
6	But, first, in relation to the PACE
7	program, it is something that we've started to
8	look at because we noticed the PACE program
9	includes a frailty adjustment in addition to
10	medical risk adjustment. And so that's an
11	interesting model in thinking about social risk,
12	or at least medical risk that's more common in
13	dually eligible beneficiaries.
14	And then your idea, or your comment
15	about looking not only at those who fare poorly
16	but also at the other side of the scale,
17	beneficiaries and providers that do very well, is
18	well taken. I think that's definitely something
19	we want to be looking at, not to focus only on
20	outcomes that are worse, but also to focus on
21	outcomes that are better.
22	And my understanding and, Karen,

I'm going to push this back to you a bit -- but there were definitely practices that served large portions of dually eligible populations but had very good outcomes.

5 Yeah, so, in the report DR. JOYNT: 6 there are a bunch of scatter plots. And I think 7 those are fascinating for a couple of reasons. One is that, you know, we distill these 8 9 relationships down to a single number, right? We say that, you know, hospitals with a high 10 proportion of duals have 15 percent higher 11 12 readmission rates, or something like that. But 13 in reality, the variability is pretty impressive.

14 And I think your point is very well taken, that understanding that variability is 15 16 probably pretty important. And I mentioned it, I alluded to it briefly when I said that we saw 17 18 that the tail of the MA distribution sort of picks back up. And we did some preliminary 19 20 qualitative work trying to understand what these 21 programs may be doing that could explain the high 22 proportion of duals and the high performance.

1

2

3

4

1	So, I think there are two
2	possibilities. And one is a happier news story
3	and one is a sadder news story. So, the happier
4	possibility is that there are providers that have
5	figured out how to do really good things for
6	disadvantaged populations, and if we study them
7	we will be able to figure out how we could
8	potentially scale some of those interventions. I
9	think that is almost certainly true.
10	The other piece that may also be true,
11	which would be the sadder news story, is that
12	and this comes a little bit out of the MedPAC
13	work in MA that harkens back to the previous
14	comment about different types of duals the
15	MedPAC published some work demonstrating that
16	having a lot of aged duals, so the over-65 duals
17	group, was not nearly as correlated with
18	performance as having under-65 duals in the MA
19	program.
20	And so it may be that some of the
21	positive deviance we see are actually just us not
22	measuring very well the social complexity of the

And I am not a betting person, but if 1 patients. 2 I were I would suspect that both of those things are going on, that there's noise in the data 3 4 because of how poorly we can measure social risk, 5 and there's real innovation and positive results happening. 6 7 So, part of what we will hope to do is 8 to suss out both of those things a little bit 9 better. Hi. This is Clarke Ross 10 MEMBER ROSS: 11 with the Consortium for Citizens with 12 Disabilities, which is a Washington, D.C., public 13 policy coalition of 113 national disability 14 groups. And I wanted to suggest complicating 15 16 your analysis to make it more relevant to the 17 disability community. And these are around the 18 dimensions of social relationships and 19 residential and community context. And I'll 20 suggest four resources for you. 21 So, for 50 years the disability 22 community have been striving to promote community

1 integration and inclusion to fight segregated 2 living situations and to overcome isolation, which is associated with segregated living 3 4 situations. So, you can look at the Olmstead 5 Supreme Court decision, which operationalized the Americans With Disabilities Act in terms of 6 7 Medicaid funding and public funding of 8 residential programs, to get citations on this. 9 CMS a year-and-a-half ago published final rules on Medicaid home and community-based 10 11 service settings rules. These are required 12 dimensions to be called a home- and community-13 based setting. 14 Three, the National Quality Forum had a committee on home and community-based services 15 16 and quality measures that has citations of the 17 literature. 18 And, last, in the disability area we 19 have two quality measure programs that are each 20 operated over 20 years: the National Core 21 Indicators and the Personal Outcome Measures. 22 So, to make this relevant to the

1	disability community, community integration,
2	inclusion, dealing with segregation and isolation
3	are essential around the social relationship and
4	residential and community context parts of your
5	analysis.
6	Thank you.
7	DR. YABROFF: Thank you so much.
8	That's really helpful.
9	DR. JOYNT: I was just going to say
10	the same thing. Are any of those measures
11	currently integrated into payment programs? And
12	do you know if like in the home health setting
13	or, you know, any of those settings where there
14	might be some overlap of that? Or is this a
15	separate set of quality measures collected
16	through that group?
17	MEMBER ROSS: So, the National Core
18	Indicators and the Personal Outcome Measures are
19	both used by the publicly-operated state
20	intellectual and developmental disability
21	authorities. And Medicaid is the predominant
22	financing source and state general revenue is

I

matched for Medicaid and state DD systems. 1 2 These measures are also used for other co-occurring populations. But the arena for the 3 4 application of the measures are the state 5 developmental disability authorities that use Medicaid. 6 But I'll send to this email address 7 8 that you've given us summaries and contacts and 9 resource information on all of these things that I've mentioned. And then there are experts in 10 11 each of these domains that can provide further 12 detail, if you want them. DR. YABROFF: Wonderful. And this is 13 14 Robin again. I just want to thank you for these resources. And also ask if we might follow up at 15 16 a later date for additional information? 17 MEMBER ROSS: Sure. I have, again, 18 access to 113 national disability groups, a whole 19 spectrum and variety of groups. And there are 20 20 or so who are quite involved in these particular 21 issues. And happy to refer you to all of them, 22 and each has their own niche or specialty

interest and expertise.

2 DR. YABROFF: Great. Thank you so 3 much.

MEMBER AGUIAR LYNCH: Hello. Good
morning, this is Christine Aguiar Lynch with the
Association for Community Affiliated Plans.

7 I was wondering if, as part of your 8 Study B, if you all anticipate recommending to 9 CMS how they could collect some of this data much more broadly? So, taking frailty, for example, 10 11 that's something that we've been asking CMS to 12 consider adding that to their Medicare risk 13 adjustment payment. But a limitation with that 14 is that they don't collect that information 15 widely. And as you guys recognize, MCBS and the 16 ACS are really small sample sizes.

And then if it's not possible to collect the social risk factors data broadly for all Medicare beneficiaries, do you anticipate recommending a proxy measure that CMS could use instead?

22

DR. YABROFF: That is an excellent

Neal R. Gross and Co., Inc. Washington DC

(202) 234-4433

question. One of the things we're planning on 1 2 doing is evaluating claims-based measures, which would, of course, be available on all fee-for-3 service beneficiaries, of things like frailty, 4 5 that might be possible to use. As part of the National Academy's 6 7 reports, the committee had a list of different 8 types of data, and also their current 9 availability and where additional research might be needed. They also identified different 10 11 criteria for thinking about data and how making data better available and when. 12 You know, some 13 measures are fixed or fairly fixed, and that 14 might be collected at entry into the Medicare 15 program, whereas other measures might change over 16 time. And so really the big concern is the burden of data collection to beneficiaries and 17 18 providers. 19 So I think it's definitely a balancing

act in terms of having sufficient information to better understand health disparities in outcomes and performance. But also, you know, having

those data, additional data would be wonderful. 1 2 But there is a burden, of course, in collecting those data. 3 And I don't know, Karen, did you want 4 5 to add anything to that? DR. JOYNT: You know, I think in the 6 long term, if we put our, like, futuristic caps 7 8 on for a moment, one could imagine a lot of these data could come from electronic health records 9 and from other data sources that would not be as 10 11 burdensome to report. Obviously, patient-reported outcomes 12 13 would be the other end of the spectrum where 14 they're highly burdensome to both report and 15 collect, but extremely important. And so finding 16 a balance of ways that we can enhance data 17 collection, harmonize across different programs 18 and measures and private/public, and, you know, 19 from a big picture standpoint there's a lot I 20 think we could do. By "we," I mean a group much, 21 much bigger than those of us on the phone. But 22 to try to get at some of those things. And at

1the same time, we will need the nitty-gritty, patient-reported stuff to also be growing.3So, we are not in a position to make specific recommendations around that right now.5But you've sort of zeroed in on one of the key things that would have to happen in order for a lot of these things to move forward.8DR. ZUCKERMAN: And this is Rachael Zuckerman from ASPE. I just want to add one more thing sort of in terms of what we're tasked to do and how we're tasked to do it in the law itself.12So we are asked to make13recommendations. And they don't necessarily need to be in the report. So we're, as Robin said, we're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report.20So, don't get disappointed if it's not right there right away.21MEMBER CUELLAR: I'm interested to		
3 So, we are not in a position to make 4 specific recommendations around that right now. 5 But you've sort of zeroed in on one of the key 6 things that would have to happen in order for a 7 lot of these things to move forward. 8 DR. ZUCKERMAN: And this is Rachael 9 Zuckerman from ASPE. I just want to add one more 10 thing sort of in terms of what we're tasked to do 11 and how we're tasked to do it in the law itself. 12 So we are asked to make 13 recommendations. And they don't necessarily need 14 to be in the report. So we're, as Robin said, 15 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	1	the same time, we will need the nitty-gritty,
 specific recommendations around that right now. But you've sort of zeroed in on one of the key things that would have to happen in order for a lot of these things to move forward. DR. ZUCKERMAN: And this is Rachael Zuckerman from ASPE. I just want to add one more thing sort of in terms of what we're tasked to do and how we're tasked to do it in the law itself. So we are asked to make recommendations. And they don't necessarily need to be in the report. So we're, as Robin said, we 're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report. So, don't get disappointed if it's not right there right away. 	2	patient-reported stuff to also be growing.
5 But you've sort of zeroed in on one of the key 6 things that would have to happen in order for a 7 lot of these things to move forward. 8 DR. ZUCKERMAN: And this is Rachael 9 Zuckerman from ASPE. I just want to add one more 10 thing sort of in terms of what we're tasked to do 11 and how we're tasked to do it in the law itself. 12 So we are asked to make 13 recommendations. And they don't necessarily need 14 to be in the report. So we're, as Robin said, 15 we're going to start looking at these things as 16 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	3	So, we are not in a position to make
 things that would have to happen in order for a lot of these things to move forward. BR. ZUCKERMAN: And this is Rachael Zuckerman from ASPE. I just want to add one more thing sort of in terms of what we're tasked to do and how we're tasked to do it in the law itself. So we are asked to make recommendations. And they don't necessarily need to be in the report. So we're, as Robin said, we're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report. So, don't get disappointed if it's not right there right away. 	4	specific recommendations around that right now.
7lot of these things to move forward.8DR. ZUCKERMAN: And this is Rachael9Zuckerman from ASPE. I just want to add one more10thing sort of in terms of what we're tasked to do11and how we're tasked to do it in the law itself.12So we are asked to make13recommendations. And they don't necessarily need14to be in the report. So we're, as Robin said,15we're going to start looking at these things as16we do the second report. But it's possible that17we will sort of continue thinking about it and18the recommendations will come after the second19report.20So, don't get disappointed if it's not21right there right away.	5	But you've sort of zeroed in on one of the key
8DR. ZUCKERMAN: And this is Rachael9Zuckerman from ASPE. I just want to add one more10thing sort of in terms of what we're tasked to do11and how we're tasked to do it in the law itself.12So we are asked to make13recommendations. And they don't necessarily need14to be in the report. So we're, as Robin said,15we're going to start looking at these things as16we do the second report. But it's possible that17we will sort of continue thinking about it and18the recommendations will come after the second19report.20So, don't get disappointed if it's not21right there right away.	6	things that would have to happen in order for a
 Suckerman from ASPE. I just want to add one more thing sort of in terms of what we're tasked to do and how we're tasked to do it in the law itself. So we are asked to make recommendations. And they don't necessarily need to be in the report. So we're, as Robin said, we're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report. So, don't get disappointed if it's not right there right away. 	7	lot of these things to move forward.
10 thing sort of in terms of what we're tasked to do and how we're tasked to do it in the law itself. 12 So we are asked to make 13 recommendations. And they don't necessarily need 14 to be in the report. So we're, as Robin said, 15 we're going to start looking at these things as 16 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	8	DR. ZUCKERMAN: And this is Rachael
and how we're tasked to do it in the law itself. So we are asked to make recommendations. And they don't necessarily need to be in the report. So we're, as Robin said, we're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report. So, don't get disappointed if it's not right there right away.	9	Zuckerman from ASPE. I just want to add one more
12So we are asked to make13recommendations. And they don't necessarily need14to be in the report. So we're, as Robin said,15we're going to start looking at these things as16we do the second report. But it's possible that17we will sort of continue thinking about it and18the recommendations will come after the second19report.20So, don't get disappointed if it's not21right there right away.	10	thing sort of in terms of what we're tasked to do
13 recommendations. And they don't necessarily need 14 to be in the report. So we're, as Robin said, 15 we're going to start looking at these things as 16 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	11	and how we're tasked to do it in the law itself.
14 to be in the report. So we're, as Robin said, 15 we're going to start looking at these things as 16 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	12	So we are asked to make
we're going to start looking at these things as we do the second report. But it's possible that we will sort of continue thinking about it and the recommendations will come after the second report. So, don't get disappointed if it's not right there right away.	13	recommendations. And they don't necessarily need
16 we do the second report. But it's possible that 17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	14	to be in the report. So we're, as Robin said,
17 we will sort of continue thinking about it and 18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	15	we're going to start looking at these things as
18 the recommendations will come after the second 19 report. 20 So, don't get disappointed if it's not 21 right there right away.	16	we do the second report. But it's possible that
<pre>19 report. 20 So, don't get disappointed if it's not 21 right there right away.</pre>	17	we will sort of continue thinking about it and
20 So, don't get disappointed if it's not 21 right there right away.	18	the recommendations will come after the second
21 right there right away.	19	report.
	20	So, don't get disappointed if it's not
22 MEMBER CUELLAR: I'm interested to	21	right there right away.
	22	MEMBER CUELLAR: I'm interested to

hear what you think the state of research is on 1 2 measuring income, both at the individual level and at the area level? It looks like some, 3 4 you're deferring some work to your Study B, and 5 what might that work look like? It looks like you may have looked at 6 7 the ZIP Code median income. Have you thought 8 about using, leveraging some of the work of Raj 9 Chetty and looking at the disparities in income in the community as opposed to just a measure of 10 11 the central tendency? 12 So those are two different questions. 13 What do you have in the hopper in terms of 14 looking at income and data sources for that? And then thinking about income, area income measures. 15 Those are both great 16 DR. YABROFF: 17 questions and a little bit complicated, 18 especially for the Medicare beneficiary 19 population. We are looking, with MCBS we are 20 looking at data on assets, which may be more 21 informative when thinking about socioeconomic position than actual income. Although we will 22

1

have some data on income as well.

2	And we do plan on looking at area
3	level median income, things like that. But also
4	we are exploring other neighborhood sort of
5	deprivation measures which would encompass things
6	like disparity in income within an area.
7	So, I think it's we are in
8	process, I think, on all of those factors. But,
9	you know, income can be complicated to measure,
10	in part because many people are uncomfortable
11	reporting it.
12	MEMBER CUELLAR: So if you don't mind
13	my following up, if you're doing the analyses
14	using surveys like MCBS, that would imply that to
15	implement it we'd have to have a data source like
16	a survey, as opposed to relying on something like
17	a census?
18	DR. YABROFF: Yeah. One of the
19	advantages of linking claims data to the American
20	Community Survey at the individual level is that
21	we can actually explore that in more detail. And
22	it may be that for some measures like income,

65

collecting it at the area level is sufficient. 1 2 But there may be other measures, like comparing individual income to income disparities 3 4 in an area, that are really quite different. So, 5 I think it's going to be one of those it depends on what the measure is and what we find. 6 7 MEMBER CUELLAR: Thank you. 8 DR. YABROFF: Thank you. 9 MEMBER LUTZOW: Yeah, this is Tom 10 Lutzow again. 11 Certainly, you know, you do want to 12 look at claims data and so on. But there's, the 13 real story about social risks is missing from 14 that data. There are ZIP Codes in downtown 15 16 Chicago where Medicare-funded skilled nursing 17 visits to the home don't occur without an armed 18 guard present to the nurse. And I'm not sure 19 where armed guards show up in the claims stream. 20 And a study where you were to take those ZIP 21 Codes and look at Medicare-funded home visits in 22 those ZIP Codes and compare them to a suburban

Washington location and ask the question how many of those suburban Washington skilled home visits were accompanied by an armed guard, you would begin to appreciate or be able to tell the story about how social risk really does affect the delivery of healthcare.

7 If you look at PCP follow-up visits, 8 post-inpatient stays in those Chicago ZIP Codes 9 you would find, I think, that they are noticeably depressed because those folks are so fearful they 10 11 lock themselves in their homes. They don't get 12 out for fear of their lives. And that, again, affects their interaction with the healthcare 13 14 system.

15 So, that kind of information doesn't 16 show up in the claims stream. And it doesn't --17 therefore, the claims stream really can't tell 18 the story. And you have to get out, I think, 19 and, you know, ask those kinds of deeper 20 questions. 21 DR. YABROFF: Yeah. And I agree with 22 you that those data are not readily available in

1

2

3

4

5

6

This is also an area of exploration 1 claims. 2 where we can look at residential and community context factors related to things like crime and 3 4 things like there are a number of, increasingly a 5 number of measures of things like social cohesion that occur at the community level. And so that 6 7 is definitely something we are exploring using 8 data from sources, other sources that have 9 information that are important for social risk. But I, I think it's a really important 10 point that without understanding the context of 11 12 where people live, it's difficult to understand 13 what's happening in terms of their outcome. 14 MEMBER BRINGEWATT: Yes. This is Rich Bringewatt again from the SNP Alliance. 15 16 Two things. One is, each year the SNP 17 Alliance does an annual survey of its members 18 that includes both quantitative data and 19 qualitative data. And we're, we just pulled 20 together the report from the end of last year. 21 And part of the qualitative report focused on questions about social risk factors. 22

1	One of the questions included among
2	the members, and they all have high
3	concentrations of plans serving duals. But the
4	top social risk factors observed by their care
5	managers, and in order of priority, frequency, it
6	was, number one was low health literacy,
7	difficulty understanding health information.
8	Two was low income, poverty status.
9	Three was lack of mental health-
10	related supports.
11	Four was living alone, few social
12	supports.
13	Fifth was a tie between housing
14	instability and transportation barriers.
15	Now, that's qualitative information.
16	But I think it's probably useful information as
17	it relates to care managers who serve these
18	populations in terms of what they see as the
19	primary risk factors. And we'd be happy to share
20	more about that survey and some of those
21	findings. And would appreciate your input in
22	terms of what we might do next with some of that.

1	The second thing I wanted to note is
2	simply, is a question as it relates to teasing
3	out relationships particularly, I think, between
4	social risk factors and care complexity. And it,
5	you know, it seems to me like a very old study,
6	Linda Fried in I'm going to say maybe 2004 or 5,
7	but there was an untangling of chronic conditions
8	looking at measurements for frailty, comorbidity,
9	and different types of disability.
10	And it seems to me like that construct
11	might be a useful place to look in doing some
12	looking at the relationship between social risk
13	factors and those, those particular factors in
14	order to know. You know, it may be that some of
15	these things are influencing other things in the
16	mix. And just a thought about what might be
17	observed there.
18	DR. YABROFF: Thank you. As to the
19	first comment, I think we would definitely be
20	interested in seeing the results of your survey.
21	And so I'm going to ask you to use the email
22	address, that way we all, all will have a chance

to look it.

1

2	And then in terms of teasing out
3	different relationships, we're definitely
4	familiar with Linda Fried's work. And we'll
5	circle back on this particular study you're
6	suggesting.
7	I also want to make the point that
8	increasingly data are available on things like
9	housing insecurity and food insecurity, not
10	always at the individual level, but those sorts
11	of measures we can really start to think about a
12	neighborhood and social context, in new and
13	different ways. So we are definitely going to
14	draw on expertise from our colleagues who have
15	done work in that area.
16	MEMBER PARKER: Hi. This is Pam
17	Parker.
18	Maybe I missed this because I had to
19	step out. But in terms of the data sources that
20	you looked at or you're thinking of looking at,
21	have you looked at I think the biggest source
22	of detailed functional status and, you know, home

1 living and all of that is state Medicaid data on 2 home community-based service clients. And there's just, you know, a huge amount of data 3 that's collected in the assessments for that 4 5 group. So anybody that's dual and frail or 6 7 disabled and meets the criteria for, you know, 8 home community-based type services, states have 9 huge repositories of data in incredible detail on And not all the states perhaps have that 10 that. 11 data automated, but I think a lot of them do. 12 Some like, for instance, where I'm from in Minnesota they use it for risk adjustment. 13 14 So there, that's probably the richest 15 data source I can think of for some of the things 16 that you're talking about. 17 DR. YABROFF: Yes. Thank you for that 18 suggestion. 19 I will say that the process of linking Medicare claims data with Medicaid data can be 20 21 complicated. But I do agree that it's 22 potentially a very rich data source.
1	MEMBER PARKER: Yeah, Minnesota does
2	have has had linked data. But I agree with
3	you that it's underestimated how complex that is.
4	I've seen people think they can do it and it
5	hasn't
6	And the other obvious thing is, of
7	course, you know when you're talking about all
8	these other sources of data for income and asset
9	status on dual eligibility, that's the one thing
10	that is a good proxy, to use the dual status
11	indicator because that's what it's about, is
12	income level first of all. And so, you don't
13	really have to go that much further when you're
14	talking about the duals I don't think.
15	CO-CHAIR MONSON: So this is Michael
16	Monson. I'm with Centene.
17	Just I want to build on Pam's point.
18	I would agree that the data that sits in those
19	comprehensive assessments is very robust. And
20	one way Stacey, don't look at me askance when
21	I say this but one way that you might want to
22	think about getting at that is that the MMPs have

1	all linked that data. Right? So, and I would
2	say all the FIDE SNPs have also done that.
3	So, that would be a place to
4	potentially look to for information because
5	there's been a ton of work by states, plans, and
6	MMCO to make sure that that at enrollment that
7	we know who's who. And it is not easy. But that
8	is all linked. So that is a place, that is a
9	potential starting point in order to find some of
10	that information.
11	The other piece that I wanted to just
12	advocate for was to think about the setting of
13	where the person lives. And that might, in fact,
14	have an implication for how you think about
15	social risk. And we've got this population, dual
16	eligibles, there's a disproportion of dual
17	eligibles who live in institutions. I think we
18	can't ignore that when you look at that as a risk
19	factor because institutions have all sorts of
20	problems.
21	And I know you'll say, you'll have
22	trouble figuring it out, but again that data is

actually available in the Medicaid data because 1 2 the rate cells are all linked to institution versus home- and community-based services. 3 And then the final thing I would just 4 5 say on that point is that you probably want to think about crossing the -- people who are on the 6 7 waiver versus people who are not. Because if 8 you're accessing waiver services, I think we 9 would all likely think that people who have waiver services probably have a better health 10 11 outcome, or hopefully have a better health 12 outcome than those who do not have waiver 13 services. 14 And, I mean that could be, that could 15 explain your -- that tick on the MA plans at the 16 backside. Those could all be FIDE SNPs that are 17 actually accessing waiver services. So I will 18 leave it at that. 19 Did anybody else have any other 20 comments or questions? 21 MEMBER PARKER: Could I just add to 22 that waiver or personal care.

1	CO-CHAIR MONSON: Yes.
2	MEMBER PARKER: It might be a state
3	plan option.
4	CO-CHAIR MONSON: Yes, state plan.
5	Yes.
6	MEMBER PARKER: So not just the waiver
7	but also the personal plan.
8	CO-CHAIR MONSON: Good point.
9	DR. JOYNT: Yeah, and to make it even
10	broader, you know, we've thought a lot about what
11	you know, we are essentially tasked with and
12	looking at Medicare. But all these folks operate
13	within a context of their state-based services,
14	their community-based services, the communities
15	they're in. And, you know, not just from a
16	health standpoint but from really a community,
17	social support, and social organization
18	standpoint. And that sort of stuff is almost
19	certainly influencing people's outcomes.
20	And it's really tricky to think about
21	how we might access and really understand some of
22	that context. That's a great point.

1	CO-CHAIR MONSON: Joe.
2	MEMBER BAKER: This is Joe Baker from
3	the Medicare Rights Center.
4	So, we've spent a lot of time talking
5	about beneficiaries. So I guess a broad question
6	is, you know, we haven't really talked about the
7	quality of the providers. So, what are you doing
8	to take a look at the actual provider community
9	that folks are accessing, and who they are, and,
10	you know, whether it really is resources, whether
11	it is something else? And how are you, you know,
12	looking to approach that, even drilling down to,
13	you know, individual providers if that's possible
14	or if that's something that you feel is, you
15	know, you want to do?
16	DR. JOYNT: We have not thus far
17	drilled down to individual providers. In some of
18	the work that the National Academies did they did
19	some best practices work in which they did look
20	at examples of organizations that had been doing
21	good work in this area. And I certainly think
22	that's important.

I

1	We have, particularly for physician
2	groups and things where sample sizes get pretty
3	small, it's actually, it's kind of tough to sort
4	out performance issues. So we've not really
5	drilled down onto the individuals yet.
6	We may do some follow-up work
7	qualitatively trying to understand what high
8	performance looks like in different contexts.
9	But I think we have a lot to learn about context
10	before we feel confident that individuals that
11	we can really assess some of those details in the
12	context of social risk.
13	MEMBER BAKER: Great. Maybe I
14	shouldn't have said individual providers because
15	then we get all crazy about, like, oh my gosh,
16	Dr. Smith is going to get slammed.
17	But I'm even thinking about systems
18	or, you know, look, we all know there's a crappy
19	hospital in every town. So, you know, I mean,
20	and physicians there either don't have resources
21	or, you know, they're not the best physicians or
22	group of clinicians in that particular community.

And yet, that community is kind of relegated to that particular institution because of the fact that it's, you know, because of travel and other restrictions.

So, I guess the broader question is 5 what are you doing to focus on, you know, because 6 7 one of the lists of the things that was in your, you know, the two pieces or the provider piece 8 9 was the quality of the provider, so what are you looking at in particular with regard to that to 10 come up with either recommendations or 11 12 indications of that, something that -- and the solution could be we just need better quality 13 14 providers, right? Or we need different levels of providers and a different mix of providers for 15 16 certain communities. So what might be the data 17 that you're looking at to kind of get at the 18 bottom of that?

DR. JOYNT: I'll give you an attempted response, but take with all attendant caveats, which is I think there's a lot of enthusiasm on the policymaker side that things like value-based

1

2

3

payment programs, accountability, and measurement 1 2 will improve quality even for the poorest performers. And I think there's some initial 3 indications from the Readmissions Reduction 4 5 Program that some programs have disproportionately led to improvement among the 6 worst performers. 7 8 I think there's pretty strong feeling 9 in the clinical community that there are

10 providers for whom simply putting financial 11 incentives in place is not going to adequately 12 change anything because the problems go much, 13 much deeper than a lack of financial incentive. 14 And I think that's sort of the groups that you're 15 talking about.

16 And I will just say we don't know how 17 to solve that problem and have not, and will not, 18 I think, pretend to know the answer to that one. 19 Well, Karen, Robin CO-CHAIR MONSON: 20 and Rachael, thank you so much for taking the 21 time this morning. This has been, I think this committee has found this to be extraordinarily 22

1 helpful. And thank you for just doing this work. 2 This is very important work. And it's not easy. But you are, you guys are pushing the ball in a 3 4 very serious way forward on a very important 5 topic. So thank you for your service. 6 Thank you for having us. 7 DR. JOYNT: 8 And please, everyone, do feel free to reach out. We heard -- I have a bunch of scribbled notes 9 with all the great stuff that we heard. 10 But 11 it'll be much, much more accurate if you all 12 reach out if there's stuff that you want us to 13 know, reports you want to send, please be in 14 touch. 15 DR. YABROFF: Right. Right. And I 16 will reiterate that I have also been taking 17 scribbled notes. But I can't always read my 18 writing. So thank you very much. We really 19 appreciate the opportunity to speak to you today. 20 DR. ROILAND: And we can send you a 21 transcript as well. That way you'll have your 22 notes.

1	DR. YABROFF: Oh, that would be
2	wonderful. Thank you.
3	DR. JOYNT: And we'll sign off. Thank
4	you very much.
5	DR. ROILAND: You're welcome.
6	MS. MUKHERJEE: Hi, everybody. So
7	this is Debjani again. What I'm going to do now
8	is continue the discussion of risk adjustment and
9	sociodemographic factors and just go over the
10	homework that we had sent around.
11	And basically, the homework was asking
12	all of you to think about five social risk
13	factors most relevant for the duals population
14	that HHS and CMS should keep in mind while sort
15	of conducting and evolving their work, and for
16	each of those social risk factors identified we
17	wanted sort of some practical information of is
18	that data available anywhere, is it available?
19	So, with that I'm going to take you
20	through the first graph.
21	So, basically what we did was we
22	provided one of the graphics from the ASPE report

which listed all the social risk factors and 1 2 which ones were easy to collect and not collect and things like that. And asked for you to sort 3 of give us some feedback and add to that list. 4 And so the number one category was 5 social support, loneliness, widowhood, and social 6 7 capital. Number two was sort of two groups, 8 9 residential and community context, socioeconomic 10 position, status, and income. 11 And some of these, because we didn't 12 ask for a definition, some of these based on how 13 you're defining could sort of overlap. But I 14 just wanted to sort of let you all know that, that we realize that some of -- these are not 15 16 completely sort of independent of each other. 17 The third group was race, ethnicity, 18 language, gender, sexual orientation. 19 The fourth group was education, 20 accessible safe housing. 21 The fifth was a large group, rural isolation, segregation, locus of control, 22

1

valued/devalued status.

2 And finally, the last group, the sixth 3 group was food insecurity and medical risk 4 factors.

And what these groups did was they 5 kind of built on the ASPE factors, risk factors. 6 7 And the ASPE risk factors were income, education, 8 dual eligibility, wealth, race and ethnicity, 9 language, acculturation, gender identity, sexual 10 orientation, partnership status, living alone, social support, neighborhood, geography, housing, 11 12 and other environmental measures.

So they, even though it wasn't a oneto-one match, we kind of captured all the ASPE categories.

And then I think this was sort of something we really were looking forward to, sort of the part two, which is current and potential future data sources that could be and should be used to capture these factors.

Dual eligibility benefit level, full
benefit was a proxy for income. Area deprivation

indices were another one for neighborhood sort of
 geographic data.

Medicare Advantage plans for primary
language; Medicaid agencies for sort of race,
marital status; county infrastructure for
community context, geographical data, census
tract, health record.

8 And some other ones were the 9 University of Minnesota and University of 10 California project that we're going to hear from 11 later today, community context, isolation, 12 poverty, medical risk factors.

The National Core Indicators -- so 13 14 that should make Clarke very happy that it was 15 sort of one of the things that came up. And that 16 would not only talk about communication status, 17 social capital, isolation, also giving some data 18 on disability, LTSS/Medicare-Medicaid Plans for 19 housing, social support, food insecurity, food 20 security, access to transportation, the CAHPS, 21 HCBS.

22

So, we got a good sort of

representation of where the data could be found. So we want to sort of provide that to CMS so that there's -- we're not only providing our thoughts on the important social risk factors but also where they could be found so that there's some practical guidance as well.

7 And with that, I will turn it over to 8 the group for guidance, from measure developers 9 specifically, practical guidance on how can they use these based on sort of the homework 10 11 information and sort of looking at gaps that we have, and sort of input to CMS on how can all 12 13 these social risk factors and sociodemographic 14 factors be used and garnered to sort of fill 15 those gaps.

And we might have talked a lot about this and sort of killed the topic, but I just want to get some more thoughts.

MEMBER ZLOTNIK: I've been thinking a
lot about this when I was doing the homework,
and then kind of really reiterating, thinking
about it with the presentation earlier this

Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

1	morning. At some level this information is kind
2	of like, you know, it's not about medical care.
3	And these issues are so complex and
4	sort of confounded together. And so when I think
5	about, you know, what would be helpful in terms
6	of measure development I think of either sort of
7	in urban or sort of very rural communities have
8	many of the same issues. And people are working
9	in, you know, low staff, high case load, high
10	work load, complex needs.
11	So one piece is like how could you
12	develop a measure that measures something that's
13	really complex but measures it in an easy way so
14	that people would actually use the measure?
15	I don't have the answer to that
16	question. But that's kind of a little of what,
17	you know, has been kind of going through my mind.
18	The other piece is, once again I don't
19	have a suggestion as a measure developer,
20	developed, but are really particularly sort of
21	transgender populations and people who really
22	are, you know, kind of isolated, are not well-

I

served by the healthcare community at all. 1 We 2 have a doctoral fellow who is actually doing a dissertation on that this year in terms of really 3 4 looking at, you know, do medical providers, will 5 they serve trans folks or not. So, those are really, I guess I want 6 to add to the questions and dilemmas. 7 I don't 8 have any great suggestions at the moment in terms 9 of measure development. But we have to sort of 10 balance ways to tease out complex and 11 intersecting information with, also, measures 12 that are easy to use. 13 MEMBER CUELLAR: I agree with Joan, 14 the National Academy report has this nice 15 framework for -- not prioritizing but 16 categorizing these indicators by whether there are data and how hard it would be to get the 17 18 data. And I think that's an important 19 consideration. There are lots of things here 20 that we would love to see that would be very 21 expensive to collect, even if we had the right 22 measure.

1	MEMBER LUTZOW: Yes, I mean just
2	picking social capital, that certainly I mean
3	isolation is not helpful and creates greater
4	risk.
5	Where I mean certainly you've got
6	buddy programs within the IDD group where these
7	programs that intend and actually do align
8	someone with a disability typically with some
9	other person who's in high school. And they have
10	a buddy relationship and with the purpose of
11	developing social capital.
12	You know, I think if in the assessment
13	process it's identified as a problem for an
14	individual, you know, there could be easily a
15	measure developed as to whether that goal or that
16	need was addressed in the plan of care. And a
17	listing of possible solutions, some kind of
18	affiliation with a relative, affiliation with a
19	friend, affiliation with a volunteer, a social
20	engagement in some way could all be solutions to
21	that, to that need.
22	I'm not sure why it wouldn't be an

90

2 assessment as a need that has risk attached to it. 3 So, we try to do it. And when we see 4 5 it as a need, certainly it has value in the area of medication adherence, reminders for, you know, 6 7 to keep an appointment with a primary care 8 resource. It has transportation value. This 9 kind of, you know, building social capital around somebody who's isolated, it has value. 10 And it's -- now is it outside of the 11 12 medical treatment area? Yes, it is. But it has 13 an impact on the success of a medical plan. 14 So, are we afraid to do this? Is it a question that it would be gamed? Maybe. 15 You 16 know, here's where I think we have to say that 17 this population has got some unique needs that 18 strictly medical measures can't get at. 19 MEMBER BRINGEWATT: The SNP Alliance 20 has a position paper on this topic in terms of 21 guidelines for measure developers for dealing

acceptable measure if it's identified in the risk

with social determinants of health.

22

1

I had every

intention to bring copies of that here today, and 1 2 forgot them. So, I don't have them here today. But I do want to highlight what the 3 recommendations are that's contained in that 4 report that was put together through our 5 performance evaluation leadership group and other 6 consultants that have been dealing with social 7 8 determinants of health. 9 The overall recommendation is that CMS has a minimum set of standards for measure 10 developers and stewards to consistently test the 11 12 measures that what, you know, if everybody kind 13 of chooses their own approach some may be really 14 good and others may not, and it might be that some measures really aren't adequately tested 15 16 when they're found, that there isn't an effect of 17 social risk factors. And it may be because of 18 the methodology used. 19 So in terms of suggested requirements, 20 there's a half a dozen different categories that 21 we had recommendations on. One relates to the 22 sampling, the importance of including a minimum

percentage of younger adults with disabled -with disabilities, as well as older adults with
multiple conditions, that if you have, you know,
the sampling mix of subgroups needs to
appropriately represent the broader problem in
relation to the unit of analysis.

7 Use the smallest geographical area as 8 unit of analysis. Studies show that variances 9 are masked when a 5-digit ZIP Code data source is They really need to dig down to a 9-digit 10 used. 11 data ZIP Code as the focus. And, you know, 12 there's also some neighborhood data level that is 13 shown to be highly predictive of individual 14 health outcomes.

Variables tested, you know, it seems 15 like it would be important to establish a minimum 16 17 set of factors. As the starting point, we 18 suggest that it would include dual status, 19 disability status, factors with significant 20 effect on outcomes such as living in a poor 21 neighborhood, single person household size, limited social supports, low education level, and 22

limited education proficiency. Those are factors
 that are known to have a relationship, so it
 ought to be tested. Whatever testing is done
 should include those.

So just that accommodations and sound 5 methods of administration are addressed to ensure 6 that the methodology accommodates whatever they 7 use, their survey methods accommodates low 8 9 income, diverse, non-English speaking beneficiaries, shouldn't require beneficiaries to 10 use cell phones, computers or internet. 11 There's 12 some other things like that, recommendations.

13 Two more. Transparency: if there is 14 measure development work, if there's analysis work done it should be public so that other 15 16 measure developers can look at it and make some 17 suggestions and make observations as to whether 18 they think that it has been adequately tested. 19 And then dissemination in terms of, you know, 20 wider public distribution of the kind of analysis 21 that was done.

22

We're not saying this is the only way

it should be done. Our intent here is to really 1 2 create a kind of a talking point paper and perhaps stimulate other thoughts that might 3 generate other recommendations. But we think 4 5 that without some sort of minimum standards and guidance that we're really not going to get the 6 kind of evaluation that everybody is looking for. 7 MEMBER HAMMEL: Just an addition to 8 9 your instruments, too, in addition to the NCI and some of the ones coming out of the disability 10 I've been looking at the PROMIS 11 world. 12 initiatives through NIH, right, the patient-13 reported outcomes. Because there's been so much 14 more validation of those with people with disabilities, people under 65, specific different 15 16 groups there that they've been doing both 17 qualitative and quantitative validation. 18 And they have a whole set of lovely 19 They're really spent a lot of social supports. 20 time on instrumental support, emotional support, 21 intimate, you know, support. Different scales for each of those but also short forms of all of 22

So you can do only, like, a 3-item version 1 them. 2 that's as reliable and as valid as the longer version. 3 4 They also have a new one out on 5 societal stigma and the culture of your community and neighborhood on how you would rate it as a 6 7 person with a disability or a person with any 8 kind of diversity, kind of things in it. 9 So, just to note, they spent like --10 it's a group of rigorous researchers, so even as 11 I was looking at some of the stuff earlier 12 yesterday, some of those surveys felt really kind 13 of uninformed to me, like, from a rigor 14 standpoint. You know, like not even having the right scale, right, you know, to even look at 15 things. Whereas PROMIS, you know, started as a 16 research initiative. 17 18 And now it's available as a computer-19 adapted testing. Easy available, anybody can 20 ioin it. It's free. And it has done some really 21 nice validation of the social and system level

> Neal R. Gross and Co., Inc. Washington DC

kinds of things that are affecting people in a

1

patient-reported outcome measure.

2	MEMBER CUELLAR: Is there some
3	communication going on to have maybe someone
4	shepherd a measure through the NQF process?
5	MS. MUNTHALI: Actually, there is. We
6	have been talking with the PROMIS folks through
7	our Measures Applications Partnership. And that
8	group took an early look at the survey and gave
9	some feedback on potential measures that can come
10	out of the survey. So we're hoping that those
11	come through our endorsement process at some
12	point.
13	MEMBER CUELLAR: Any idea what that
14	timeline might look like?
15	MS. MUNTHALI: I don't know the
16	timeline. I would say maybe in the next couple
17	of years.
18	MEMBER CUELLAR: Okay.
19	MEMBER POTTER: I would love for that
20	to come about, but there still has to be a data
21	infrastructure. So somebody has to collect the
22	measure. So that means it's either collected at

the clinician's office or it's collected by the
 health plan. And I think that's a limitation of
 some of these things.

And I'm back to the point that Joan made about how to operationalize any of this in terms of infrastructure. So, I'm always coming back to data that are collected across the board, i.e., the census data and all of the things that hang off of the census data, as just one approach.

11 One thing that's happening in the 12 survey research world is there's always been an 13 issue around how do you adjust for non-response. 14 And so there's follow-up surveys that interviewers fill out when they attempt to 15 16 collect survey data about the neighborhood that 17 the person was in, and things like that. And 18 those kinds of information for a while now have 19 been used to help adjust for non-response. It's 20 called paradata. It's not always available 21 publicly on the survey.

22

But beyond that, now people are using

things like Google Earth to look at neighborhoods and to attach measures to it. So if there was a database that used something like Google Earth and it was at the 9 level ZIP Code level, and it was a national database, then that's something that could be used by measure developers and others in operationalizing.

8 CO-CHAIR MONSON: I'm just going to 9 pause for just a moment because Jennie, unfortunately, has to leave. But I wanted to 10 11 make sure we took an opportunity, because Jennie 12 has been shepherding this committee for several 13 years now, and thank her for her work as co-Because I don't think we would have 14 chair. gotten to where we've gotten today and all the 15 16 great work without her.

18 CO-CHAIR CHIN HANSEN: Thank you.
19 That's way too generous. As many of you know,
20 it's, frankly, a lot of the substantive
21 contribution and the fact that this is so
22 outwardly focused back to the consumers. So, you

(Applause.)

Neal R. Gross and Co., Inc. Washington DC

1	know, let's hope that this is a pause. And I
2	thank you all for your contributions and your
3	teamwork and review in this process.
4	As you can tell, I'm coughing way too
5	much and causing enough of a disruption that I'm
6	just going to head home and take an earlier
7	flight. And so I want to say thank you to all
8	the NQF staff. Some of you've been here a long
9	time, some of you more recent, but, you know,
10	talk about quality, the quality of the folks here
11	all around are fabulous.
12	So, thank you very much. And needless
13	to say, I think we're all going to dog this
14	topic. So, we'll still be adding things. So,
15	thank you for everyone's heartfelt and
16	substantive contributions.
17	And, Stacey, I know this is your first
18	meeting. You've been really able to manage, you
19	know, this duality that you play. And you know
20	now that there's a lot of people here supporting
21	the work that you're trying to do at CMS.
22	So thank you very, very much,

1	everybody. I will leave you in peace. And also
2	mitigate some further exposure here.
3	CO-CHAIR MONSON: Feel better, Jennie.
4	MS. MUKHERJEE: And, Jennie,
5	definitely thank you for the staff. You've been
6	sort of a great support, especially through the
7	transitions and your knowledge and sharing that
8	and being there to support us when we need you
9	even if it's in a pinch, so.
10	CO-CHAIR CHIN HANSEN: Thank you.
11	And I don't know if Alice Lind is on
12	the line. For those of us who've been here for a
13	long time, Alice, your leadership has really
14	helped us move as far as we have. So, thank you
15	very much for your leadership in this work.
16	MEMBER LIND: Thank you, Jennie.
17	(Applause.)
18	CO-CHAIR MONSON: So, sorry to
19	interrupt the flow.
20	So, we were having this conversation
21	kind of around the instruments. So why don't we
22	just continue does anyone want to continue

1	ـــــــــــــــــــــــــــــــــــــ
1	that? I know, Clarke, you had your tent up. Is
2	it on this topic? Okay, go for it.
3	MEMBER ROSS: So, a research question.
4	We have these existing and functioning quality
5	measurement systems with narrow purpose. And how
6	do we get the resources and target the resources
7	to expand those systems to other populations in
8	other settings?
9	So, the National Quality Forum has had
10	several presentations I've been at on PROMIS.
11	And I took PROMIS to the National Health Council.
12	The National Health Council is a multi-sector
13	coalition that's been around since 1920. And
14	there are 52 voluntary health agencies: heart,
15	cancer, lung, MS, the big ones. And they were
16	very skeptical of the existing PROMIS because
17	they said, well, PROMIS is in the hospital, the
18	clinical setting, has predominantly been used
19	with orthopedic and cardiology. And what do they
20	know about X, Y, and Z?
21	And that's our typical human response
22	to most ideas to use something is where it's

currently used, and, well, look at all the 1 2 inadequacies. Because of the National Quality Forum, this work group and the Patient Reported 3 Outcome Committee, so broken record on the 4 5 National Core Indicators. The National Core Indicators were designed for people with 6 intellectual and developmental disabilities and 7 8 slowly has gotten into people with co-occurring 9 IDD and mental illness, because that's the prevalence of the population. 10 11 Because of the recommendations of two

12 National Quality Forum workgroups, the 13 Administration on Community Living developed an 14 investment into the National Core Indicators with 15 state aging and disability agencies to see -- to 16 pilot, to adapt and then pilot how it would work 17 with physically disabled, non-elderly folks, and 18 aging folks.

So, these are the -- rather than
recreate the wheel and just criticize existing
approaches, National Core Indicators and Personal
Outcome Measures each have been functioning for

over 20 years in multiple states. So, how do we 1 2 convince the measure developers to get out of their comfort zone but invest money in, and let 3 people have some running room in order to 4 5 develop, expand and adapt, because you have to adapt for different populations and settings. 6 And how do we -- and is that a major 7 8 recommendation? Some of the National Quality 9 Forum reports have said we need to invest more in 10 measure development. And so I'd like to carry 11 that theme and here PROMIS is an example, and 12 National Core Indicators and Personal Outcome 13 Measures are examples, that have done a little 14 bit but need to do a lot more. 15 Thank you. 16 MEMBER PARKER: As I've been sitting 17 here listening to this, we're in some ways 18 rightfully, but overlooking one of the major data 19 sources that CMS uses now in both the PACE 20 frailty adjustment and FIDE SNP, and for other 21 purposes. And Stars is the HOS, Health Outcome 22 Survey.

1	And now I can't in some ways believe
2	that I'm bringing this up as a source of data
3	because we've got so many problems with it. But,
4	for instance, it's not well available in
5	language, in terms of language and ethnicity
6	groups. It doesn't have a good proxy
7	methodology. It says nothing about proxy. It's
8	a year you've got to be in it two years. And
9	half the elderly are dead, you know, in the
10	second year.
11	So it doesn't, it isn't appropriate
12	for people with cognitive impairments. It's a
13	terribly, terribly small sample. And it's not
14	done at the planned benefit package level, it's
15	done at the broader health plan level, so it's
16	all mixed up, you know. So if you're trying to
17	get at dual measures and solve some of the
18	problems that you're talking about in the ASPE
19	report, it's a problem.
20	However, it's done all the time. It's
21	something that CMS, you know, administers and is
22	invested in it. And it needs to be fixed. At

the same time it has a lot of the data elements 1 2 that we're talking about in it. It has -- you know, there's income, sex, age, functional status 3 stuff, widowhood, single, education level, some 4 of the other, you know, it could have the 9-code 5 ZIP Code maybe, you know. It is -- you know, so 6 7 if you increase the sample size, fix these other problems that should be fixed anyway. 8 9 One of the things that we did in Minnesota was gathered all -- there's a little 10 profile that goes along, each health plan gets a 11 12 profile, each Medicare plan gets a little 13 profile. We took the profiles of the plans that 14 had big Medicare broad plans versus the ones that just served duals, and so we had a bunch of D-15 16 SNPs. And we compared the two profiles. So we 17 compiled them and compared them, you know. 18 And, you know, it was startling, the 19 I mean, you could see the differences. difference in the income level and the education 20 21 level and the, you know, where the -- the 22 widowhood and the, you know. So all kinds of

proxies in there for some of these things we've been talking about you could --- that was very startling.

4 So somehow if that instrument were 5 fixed and utilized in a better way -- I'm just 6 saying, you know, it should be anyway -- it could 7 be a source of data that's collected at a, you 8 know, a larger level. And it is already relied 9 on. And it wouldn't be wasted effort like it is 10 right now because it's such a poor instrument.

11 MEMBER LAKIN: I sort of feel like my 12 job here is to support Clarke in everything he 13 says. But, you know, I have been struck with a 14 lot of this discussion and this discussion of 15 neighborhood factors sort of brought it back to 16 me.

You know, we're so often looking for the easy variables that are already there that we can draw on and pump them in and see whether we can explain some of the variance in what we pay or what we achieve.

22

1

2

3

And, you know, I'm struck. I've done

a lot of work with the NCI, merging data from 1 2 many different states into a large data set so we can begin to look at a lot of individual factors 3 4 that are predictive of outcomes for people. And, you know, in this whole area of neighborhood I've 5 just been struck with how persistent a single set 6 7 of variables is to the outcomes that people 8 experience, whether they're loneliness, whether 9 they're inclusion, kind of whatever they are. And that is whether people say they're afraid in 10 11 their home and they're afraid in their 12 neighborhood.

13 And, you know, it seems to me that, 14 you know, we run around grabbing census track data and 7-digit or 9-digit ZIP Code data trying 15 16 to get a proxy for a neighborhood when, really, 17 asking people what their interaction with their 18 neighborhood is and the extent to which it is 19 comforting or neutral or fear-producing is really 20 the element we ought to be looking at. 21 So, you know, and then I think, you

> Neal R. Gross and Co., Inc. Washington DC

know, that we're stuck with how these elements

here are predictably more or less evident within 1 2 people we call duals or non-duals, which is really, you know, it's an element of policy and 3 procedure rather than a personal characteristic. 4 So, you know, I think we've really got to attend 5 to the factors that really make this difference 6 between duals and non-duals. And those are, 7 those are personal characteristics that people 8 9 carry with them, and environmental characteristics that are imposed on them. 10 11 And I just think that all this 12 commitment -- and I hear it again with the ASPE 13 stuff, and I'm not at all opposed to it -- but it 14 just, it works with existing variables. Large, 15 you know, large data sets that are already out 16 there that are rough proxies of these things that 17 are really important to people as people. 18 And I just think there needs to be a 19 lot of investment -- not in this top down, what 20 can we throw in the equation and see what it 21 predicts -- the working in projects that start at the individual level that really understand 22
people's needs, characteristics, and elements
 even of personality that make these outcomes all
 important.

We know that those are the things that really drive medical outcomes. And yet we seem to be content to go back to the census data to see what they can tell us. And they really just don't tell us much about people.

9 So I think, you know, I think Clarke's been saying this in, you know, 100 different 10 11 ways, but I just don't think we can overlook 12 That we spend our -- we give our hearts to that. 13 the person but we spend our money on these large 14 data sets that really don't, really don't describe the person well enough to understand 15 16 what we're doing.

MEMBER BRINGEWATT: I want to agree with both Charlie and Ross here. It seems to me like this is reflective of the dilemma that this group has had from the beginning in the sense that we're constantly struggling with these are the measures that are available. Of the measures

1 that are available, which ones do we think are 2 going to be most useful? And then we have this 3 huge gap question where I think most of us around 4 the room would say what's meaningful isn't 5 necessarily what's measurable.

And so how do we get at and incent and 6 7 help improve quality for duals with a limited set 8 of data that's not as meaningful as we would like 9 it to be, and at the same time know that there's other things that are really important and that 10 11 we can't ignore? And I think part of our job 12 here is to find some balance, you know, between 13 those two issues.

14 And so I would suggest that while, you 15 know, I sincerely agree with you, Charlie, in 16 terms of what's most important, if we're working 17 with what's available, and from a research 18 standpoint there has to be some, you know, we 19 have to maximize validity and reliability, and 20 has to, you know, deal with sample size and data 21 that's available on a national basis, and it has 22 all of its criteria, you know, of the research

that has been done over the last couple of years 1 2 on social risk factors, the neighborhood one just keeps popping up, particularly at that 9-digit 3 ZIP Code level as having the greatest 4 relationship to, you know, the effects of, 5 outcome effects of social risk factors. 6 7 So while it's limited, and I fully share your perspective on that, I think, you 8 9 know, we have to run with the data that we have available that's the best of the data that we 10 have available, recognizing its limitations. 11 12 MEMBER RAMONA: In looking at some of 13 this information, and certainly asking about 14 security -- and I'm not talking about armed security but how we feel safe in our -- how our 15 16 patients feel safe in their community or home --17 I kind of go back to that loneliness aspect. And 18 so I was wondering if anyone has experience or 19 knowledge of the short scale for measurement on 20 loneliness, three questions? And if there's any 21 way that we feel that would get to the questions that are at hand or the concerns that are at 22

1

2	MEMBER ROSS: Well, both the National
3	Core Indicators and the Personal Outcome Measures
4	ask the individual of their perception of
5	loneliness, isolation, connectiveness, this
6	important domain of a series of questions. And
7	as Charlie's been working with the team that's
8	been revising those for over 20 years to get the
9	questions as correct as one can get them.
10	So that's one example in the area of
11	intellectual developmental disability, a little
12	bit of mental illness now in ageing and physical
13	disability, to get to that area that you've asked
14	for. So, again, this is, maybe ASPE can do this.
15	This, you know, this requires a huge amount of
16	research to crosswalk these multiple existing
17	measurement systems and try and everybody's
18	selling their measurement system to try to
19	figure out what's the best way of asking that
20	question and the most cost-efficient way so
21	people will actually use it.
22	MEMBER RAMONA: Yeah, this measure

does indicate that it's been tested both for in person and telephonic proxy, some proxy
 information. And getting to not just the idea of
 physical isolation but actual social aspects of
 it.

The only thing that 6 CO-CHAIR MONSON: I would add to this conversation is it does feel 7 8 like there's a point at which we're not 9 collecting all the data we need to collect, not 10 necessarily measures but some data elements, 11 There's some key data elements, we could right. 12 probably debate exactly what they are, but my 13 guess is we could probably come up with five key 14 data -- key data questions or forms of questions we should be asking. 15

And some of that problem is that we don't want to have data burden on physicians or other actors in the system. And then survey data is great but it's survey data, so it's not 100 percent.

21 And so I do wonder, I mean as kind of 22 back to the measure developers, duals by

definition all have regular touch points with the 1 2 Right? With the Medicaid office. system. Ι mean there's a Medicaid office. They have to get 3 4 their eligibility re-upped every year, or on a regular basis, each state's a little different. 5 So, I mean there is, I mean it's just 6 7 something for us to think about that there are 8 some questions that could be -- some data that 9 could be collected at that point at the system level. And so I think that we haven't talked 10 about that at all, that there's information that 11 12 could be gleaned outside of the medical system, 13 right, and these regular touch points that we 14 have, so that would just be the one thing that I would contribute. 15 16 Yes? So, the National Core 17 MEMBER ROSS: 18 Indicators and the Personal Outcome Measures, the 19 whole focus is extended interview of each 20 individual person and their family. And years 21 ago as a result of this process I took, I introduced them to the NCQA. And NCQA said, 22

we're not going to do this. Our plans aren't 1 2 going to do this, they're not going to invest the money to do the kind of time-intensive person-to-3 person engagement in order to learn about the 4 real individual, and then build a system around 5 them. 6 7 And so that's the reality is NCQA was 8 clear, we do what the health plans want us to do. 9 We try to improve it, but that's what we do. And we're not going to advocate time-intensive. 10 11 And so we, we can get information, a 12 lot of ways of doing that, but who's going to pay 13 --- we're not willing to pay for that yet. 14 CO-CHAIR MONSON: Well, that's what, I think that was where I was going is that 15 16 there's multiple pathways. So, first of all, we 17 would say, I think we think the NCA -- NCI --18 national indicators both for individuals with 19 intellectual disabilities and the AD one for 20 ageing disabilities, lots of states are starting 21 to use it. We're very supportive of that. And it is, it is an expensive venture, 22

1 right? CAHPS is going to be expensive too -2 we'll talk about that in a little bit -- to do
3 in-person interviews.

4 So from a health plan perspective that 5 would be, that's what you've heard me say it, beat that drum too, which is these comprehensive 6 7 assessments. We spend a lot of money as a 8 society, it's not just health plans, but we're 9 getting paid to do it, to collect this information. Now, it's not going -- we can't, 10 11 it's not going to be -- we can't ask every 12 question that NCI-AD would ask because some of 13 them it's not appropriate for us to ask and we're 14 not going to get the right answer. But we can ask a lot of them, right? We do ask a lot of 15 16 them, right? We do already.

And we all have responsibilities around person-centered care planning, which is the same idea. So this is where we're not using the data we already collect. But not everyone is in a health plan either.

22

So that was where I was going.

There's other places that we want to catch it. 1 2 But I think that we just need to be smart about how we collect the information. 3 I mean a part of 4 what's happened is that there has not been --5 there are no standards on the Medicaid side, right, that require common questions to be asked. 6 7 Each state's a little different. Some states 8 have a common form that plans have to use, some 9 states don't. And so without some common -- and then 10 even in the states with the common assessments 11 12 across their state they could be different from 13 state to state. Now, some states are using NRI a 14 lot more. Right? I mean there's movement but 15 there is an opportunity to say, for measure 16 developers to say, look, states, you know, if you 17 want to use these types of measures then make 18 sure these questions are asked, right. And these 19 are the questions.

20 So I do think we could, I think we 21 could tap that system. And it shouldn't cost us 22 any more than we have today.

i	لـ ۱
1	I think Alison was first, and then
2	Rich, and then Charlie.
3	MEMBER CUELLAR: I guess looking at
4	our homework response list I'm encouraged that
5	the follow-on report that they mentioned for ASPE
6	will be addressing residential community context,
7	and socioeconomic position and income. So the
8	report they did was a horse race against the 9-
9	digit ZIP Code versus the duals flag. And the
10	dual flag performs better. And now they're going
11	to use survey data to, it sounds like do a
12	similar exercise. You know, what about more
13	fine-grained, individual area income, kind of
14	what, which metric would we need to invest in to
15	improve on the dual flag or the 9-digit ZIP
16	Codes.
17	I'm encouraged by that. I didn't hear
18	much that would address, number one, the social
19	support, loneliness. I mean they talked about
20	functioning and trying to go someplace with
21	claims on that. So that, that's a little
22	disappointing. But I am encouraged. We'll just

have to see -- I mean the studies so far have 1 2 only used 9-digit ZIP Codes as they were constrained, just like the first ASPE reports. 3 And now are they going to make a pretty large 4 5 investment and dig, dig deeper. And I, you know, we'll learn a lot 6 I mean it certainly -- and I don't 7 from that. 8 know to what extent the group feels that the 9 message has come across to say that subgroup 10 reporting by duals is really important. Not just 11 whether the measure is appropriate for dual 12 population, but whatever that measure is they 13 have measure upon measure upon measure, where 14 just reporting it by subgroup is really important and to put that information out there. 15 16 MEMBER BRINGEWATT: Thinking about, 17 you know, where does this discussion go and what 18 are the next steps relative to this, and we go 19 away after this meeting, so what is it that we 20 recommend as it relates to this issue? You know, 21 in representing the SNP Alliance, I can tell you 22 that from a performance measurement standpoint

1	our members see this as the number one priority.
2	There's nothing in serving duals. 85 to 90
3	percent of special needs plans are duals. And we
4	also represent Medicare-Medicaid plans.
5	And this is their number one
6	performance issue. And there's two aspects of it
7	that are important to them. One is improving
8	quality care, regardless of what the measures
9	are. You know, so there needs to be
10	responsibility and accountability to address the
11	influence of social risk factors on health and
12	health outcomes. And, you know, we need to work
13	at that.
14	At the same time, there needs to be
15	more progress made on recognizing the effects and
16	measuring the effects of risk factors on health
17	and health outcomes.
18	And so I think kind of at the highest
19	general strategic level of recommendation, you
20	know, might be that, you know, indicate to CMS
21	this is an important area, please elevate the
22	importance of this within your overall

performance measurement strategy to the Quality Forum itself. This is an important area for duals going forward. So if there isn't a Dual Workgroup, you know, there is a focus on these issues that are really important to duals. And so that becomes another place for addressing these factors.

A third might be that we recognize the 8 9 interdependence of social risk factors with care complexity. And, you know, so things like 10 frailty and disability, certain kinds of 11 12 disability and comorbidity, et cetera, it seems 13 to me like the National Quality Forum perhaps 14 could look at a strategy where there's more focus on those kind of population-based performance 15 measurement issues that are cousins, if you will, 16 17 to dual social risk factors.

And that might be another place where we could have some recommendations without drilling down into some specific recommendations as to what the, you know, we think the measure developer should do.

(202) 234-4433

1

2

3

4

5

6

7

We can have a discussion about those. 1 2 I think the discussion itself is useful. But I think we would be remiss if we didn't at least 3 have some kind of focused recommendation of the 4 5 importance of this going forward, you know, since, particularly since Dual Workgroup is going 6 7 to be going away. 8 Well, I just want to MEMBER LAKIN: 9 follow up on what Rich says. You know, I think this is all about improving quality. And there 10 are different directions to approach that. 11 12 I think we, we should be committed to 13 measures that are not just good for assessing but 14 are also good for improving quality. And I don't think we've talked a whole lot about how these 15 16 measures can do that. Just to kind of return to that 17 18 loneliness thing, which over time I've just 19 become really attracted to because I think it's 20 sort of one of the most debilitating human 21 emotions, just to feel like you're not connected to other people. And as we've looked at it, you 22

know, I mentioned that being afraid in your home, 1 2 being afraid in your neighborhood is really connected to loneliness. Contact with family and 3 friends, things like that, you might predictably 4 5 see. But also, you know, the environment 6 that one lives in, you know, whether you live 7 8 alone, whether you live with a family member, 9 paradoxically is less associated with loneliness 10 than being put in a congregate care setting where 11 loneliness is much higher, at least among the 12 15,000 people in the NCI data sets that we've 13 had. 14 So, you know, it seems to me that 15 people have learned from those things. In 16 Kentucky they really went on a rampage to reduce 17 the use of pharmaceuticals for people in their 18 developmental disabilities program because they 19 noted their rates were much higher than other 20 states. 21 So these things can create learning

environments I think that are terribly, terribly

Neal R. Gross and Co., Inc. Washington DC

22

important. But it doesn't happen when it's one 1 2 agency kind of doing it, you know, over the -doing it to agencies, it only happens when it's 3 4 integrated into what people are doing. And, 5 again, that's why I think a commitment to how we 6 do all this stuff that we do to an organic effort 7 to begin with people and what's important to 8 them, and what we know is important to them, to 9 build measures that begin to include what we can of what's important to people, is really 10 11 important. 12 And, you know, I hope, I hope as -and I know it will -- as this world continues to 13 14 evolve, with or without NQF, that's a movement 15 that will not be suppressed. But it would be 16 nice if we could find ways to support it through 17 federal commitments. 18 MEMBER PARKER: Well, I certainly 19 agree with Charlie and what Rich just said. But I wanted to go back to a technical point I think 20 21 Alison was making about the ZIP Code versus the -

22

(202) 234-4433

Neal R. Gross and Co., Inc. Washington DC

- so this is like a minor thing compared to what

you guys are talking about, right? -- ZIP Code versus dual status. My understanding is that the issue is that you put them together and they're much more powerful. So one enhances the other and so it's not an either/or, it's like mix them together, you know, and use them together, that's what really counts.

8 MEMBER CUELLAR: I think in the report 9 the dual ones dominate.

10 MEMBER PARKER: Yeah. But there's 11 been other research that's been done on the 12 duals, using dual factors. But then adding the 13 ZIP Code, the 9-digit ZIP Code, and that's shown 14 more powerful results, is what I'm saying.

So I just wanted to make a point, but
I don't want to disrupt the flow of this.

MEMBER FOX-GRAGE: So I just wanted to pick up on what so much of the discussion which is, okay, so after today where do we think this should go, where should this discussion go? And so for me, and both have been mentioned, but I just want to kind of come back to it.

1	So, I think tomorrow the two things
2	that would need to happen is in order for this
3	work to continue since we're going on hiatus for
4	however long, is I do really like Charlie's
5	opening statement that he made yesterday which is
6	I think, Stacey, if you could go back and create
7	kind of an interdepartmental, you know,
8	MEMBER LYTLE: I'm on it.
9	MEMBER FOX-GRAGE: Yeah, on it? Okay,
10	good.
11	It's been very powerful in the
12	disability community when all those different
13	agencies come together. And so, since we can't,
14	I think you all can.
15	And then, also, I think for NQF, I not
16	only think you should but I don't think you have
17	a choice, I do think you are going to need to
18	look for other funding sources. And so Jennie
19	mentioned, actually, a very good foundation, SCAN
20	Foundation. And there are many, many others:
21	Robert Wood Johnson, this Commonwealth I mean,
22	there are lots of them. And I just think we're

in that reality. And it's kind of a bummer
 because now you've got to write grant proposals
 and all of that.

But I just think it's -- well, I'm the daughter of a CPA, and diversify has been what I've always been taught. So I think no matter what, it's smart, even if the federal funding, you know, does come back I think it's smart anyway to diversify your revenue sources.

10 So, anyway, that would kind of be my 11 two tracks of where I think this probably needs 12 to move on. Thanks.

13 MEMBER LYTLE: I jokingly said I'm on 14 it. But I think you're exactly right. Deb mentioned yesterday how, you know, we talk about 15 16 different agencies and then you get to CMS and 17 there's CMCS and CM and MMCO, and I think we 18 recognize the need for that coordination. Which 19 is why MMCO exists, because for years there was, 20 you know, there were the two things. 21 And I think over the past few years,

several years, we have tried to make some forays

Neal R. Gross and Co., Inc. Washington DC

22

into making that communication happen. 1 And have 2 tried to do it first within our agency and then So, you know, Deb and I actually have 3 beyond. 4 talked before, and didn't just meet today or 5 yesterday, about various things. We probably should talk more. And I think we're still in 6 7 HHS. But then beyond that, because there are 8 other agencies that still influence care for this 9 population. 10 And I think we, we are aware of that. 11 And so it's not, it's not lost on us when we hear 12 it again that it's definitely a necessity for 13 actually improving quality that we can't, you 14 know, sit in our offices and never talk to anyone 15 else. 16 So, I was joking, but I was also 17 serious. 18 CO-CHAIR MONSON: Tom, you can have 19 the last word. No pressure. 20 MEMBER LUTZOW: You know, it sounds 21 like we're sort of talking to ourselves and maybe 22 trying to talk NQF into going to the other side.

And, you know, going to the other side is, I think that's what, that's -- we haven't gone to the other side. And that's the biggest source of dissatisfaction when we know these conditions have an impact on quality and cost on the medical side. Somebody's going to have to do this because this vacuum is going to get filled by somebody.

9 And it could be NQF or it could be somebody else. The danger, of course, and I have 10 to believe there's a segment within the halls of 11 12 CMS that's fearful of this because expectations, 13 expectations created by measures create the 14 demand for funding. And so expectations, you 15 know, unfunded expectations tend to be a source 16 of pressure.

17 That being said, that being said, NQF, 18 or whoever does this at a national level is going 19 to have a bully pulpit. And gradually migrate 20 over time other funding sources, other than CMS 21 funding sources on the social service side to 22 recognize these as legitimate, holistic,

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

7

8

integrated kinds of views. And I think that 1 2 bully pulpit can over time work to join the resources together toward a common purpose. 3 So we shouldn't really be afraid of 4 5 it. CMS shouldn't be afraid of it that now they're going to be dragged into funding a bunch 6 7 of stuff that really has social service content 8 instead of medical content. But, you know, 9 unless you cross over you are not going to save money on the medical side. You have to do this 10 in a responsible way, probably unfunded. 11 But 12 that doesn't mean you don't create the expectation that if loneliness shows up in the 13 14 assessment as a need, it is in the plan of care 15 and the expectation on the part of plans, ACOs as 16 well as plans, is to deal with it in some way. 17 You have to deal with it. Now, we have to be careful, ACOs, 18

19 plans, we can't sell for poverty, we can't sell 20 for the high school dropout rate, you know, we 21 can't sell for that. So understand, you know, 22 Clint Eastwood was right, a man has to understand

(202) 234-4433

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

his limitations, so we do have to understand our
 limitations. But we need to begin to create the
 crossover expectation, I think, for us to be
 successful.

MS. MUNTHALI: I'll be quick.
Just wanted to thank you for this
discussion. We are recognizing the need to
diversify. I know a couple of people mentioned
partnership with organizations like the SCAN
Foundation. We actually did some work with SCAN.
So on a small scale we're doing this.

12 I think it's important to recognize 13 that while we are trying to diversify, make sure 14 we get to the right measures. CMS is probably the largest developer, funder of development, 15 16 measure development. And so we need to be 17 cognizant of that. We are looking to other 18 partners to make sure we get the richness of 19 data, data elements, everything we talked about. 20 But it's going to take all of us. We're thinking 21 us at NQF, CMS as well, and these organizations 22 and trying to find how we can find, you know,

that middle ground where we come together. 1 2 And as much as we are a multistakeholder organization, we are committed to 3 4 doing that. I have some ideas already on how we 5 have the relationships with developers, and it might be good to kind of put something like a 6 7 consortium together of a group like this to help 8 measure development earlier. 9 When Stacey talked yesterday about development, I was like, well, why don't you come 10 11 to this group to get technical assistance. This 12 is what we do. We would love to inform the 13 development of measures earlier on in the process 14 so they don't come to you if you're looking at measures and these are not the right ones that we 15 16 need. 17 So, we think there's opportunity. It 18 might be different for all of us. But we're 19 committed to rethinking the way we do business. 20 CO-CHAIR MONSON: All right. We are 21 going to take -- Quickly, Alice Lind, you're on 22 the phone; correct?

1	MEMBER LIND: Yes, I am.
2	CO-CHAIR MONSON: Do you have anything
3	to disclose? I'm sorry. That's not a nefarious,
4	your disclosures of conflict of interest.
5	MEMBER LIND: Nothing to disclose.
6	CO-CHAIR MONSON: Thank you.
7	All right, a 15-minute break. We'll
8	be back here at 20 to 12:00 Eastern Time.
9	(Whereupon, the above-entitled matter
10	went off the record at 11:24 a.m. and resumed at
11	11:42 a.m.)
12	CO-CHAIR MONSON: All right, Erin,
13	you're on.
14	MS. O'ROURKE: Perfect. Thanks so
15	much, everyone. I'm Erin O'Rourke. I'm one of
16	the senior directors here at NQF, and I am
17	supporting the work of our Disparities Standing
18	Committee. And I wanted to give this group an
19	update on our trial period for risk adjustment
20	for socioeconomic and other demographic factors.
21	We abbreviate that to SDS.
22	So, I can skip a few slides since this

background was covered better than I could by
 Karen and her team at ASPE.

But so just to give you some of the 3 4 NOF-relevant details. So just about two years 5 ago we began a trial period where NQF would allow measure developers to bring forward measures that 6 included social risk factors in their risk 7 8 adjustment models. Prior to that, our criterion 9 policy prohibited the inclusion of such factors, and only allowed developers to include clinical 10 11 factors that were present at the start of care in 12 their models. So, during the trial period we lifted 13

14 that ban, if you will, and allowed developers to 15 bring forward measures that were potentially 16 adjusted. And we implemented the guidance of our 17 panel, which was actually now back in 2014, the 18 Risk Adjustment Expert Panel's recommendations 19 related to the appropriate use of social risk 20 factors.

21 So a little bit about how we're 22 operationalizing this. Each measure must be

> Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

assessed individually to determine if SDS adjustment is appropriate. Not all outcome measures should be adjusted for SDS factors. The

Risk Adjustment Panel was explicitly clear on this.

For example, they used central line 6 7 infections would not be adjusted. There needs 8 to be both a conceptual basis, so that is a 9 logical rationale or theory, as well as empirical evidence to do these adjustments. And the 10 recommendations applied to any level of analysis, 11 12 including plan, facility, and individual clinicians. 13

14 So, during the trial period we had the standing committees that are evaluating measures 15 16 that have been submitted for endorsement, in 17 charge of really looking over those measures to 18 determine as part of the endorsement process 19 whether the adjustment for SDS factors was 20 appropriate. We asked the committees to consider 21 both the conceptual and empirical basis for 22 adjustment, utilizing standard guidelines for

1

2

3

4

5

www.nealrgross.com

1 selecting risk factors.

2	If SDS adjustment is determined to be
3	appropriate for a given measure, we do endorse
4	one measure with specifications to calculate the
5	SDS adjusted measure as well as stratification of
6	a non-SDS adjusted measure. As recommended by
7	the panel, these specifications for
8	stratification should always accompany an SDS
9	adjusted measure.
10	We want to ensure there's
11	transparency. One of the main concerns when we
12	implemented these recommendations and started the
13	trial period was doing these adjustments could
14	worsen disparities, mask them, adjust them away
15	if you will. So
16	CO-CHAIR MONSON: Erin, what's the
17	difference between what do you mean by some
18	are stratified but non-adjusted?
19	MS. O'ROURKE: Sure. So, the adjusted
20	measures basically bake in the calculation for
21	the social risk factors in its risk adjustment
22	model. The stratification does not include those

factors in the risk adjustment model but, rather, 1 2 lets you break apart each group. So if you had a measure adjusted for, say, dual eligibles, in the 3 4 risk adjustment model it would just basically not 5 show you the difference. It would already precalculate the impact that dual eligibility would 6 7 have on that person's outcome or their risk of, say, being readmitted. 8 9 The stratification would let you break 10 it down by subgroup so you could see what was the 11 rate for people who were dually eligible versus 12 non-dually eligible. 13 Hopefully, Elisa, did I get that? 14 It's one of those things as soon as you try to 15 put it into plainer English you worry about 16 losing meaning. So, hopefully that helps a 17 little. 18 MEMBER CUELLAR: I think they came up

with a phone call where they say they're moving to the term subgroup reporting. And you can do that on an adjusted or unadjusted basis.

22

CO-CHAIR MONSON: Right.

MS. O'ROURKE: That's a great term.
 We should probably move to that. It makes more sense.

So to really address this concern about worsening disparities, NQF brought together a Disparities Standing Committee. They have a number of items that they are charged to do.

8 The first is to develop a roadmap for 9 how measurement and the policy levers associated with it can be used to actively eliminate 10 So, to kind of piggyback on what 11 disparities. 12 Karen and her team were presenting, one of the 13 main things they're working on now is to really 14 think about what that plan for equity measurement could look like. What topics would you want to 15 16 measure to really promote equity and start to 17 reduce disparities.

And then the next step when they come back together in June will be to think about how we can push to get those measures into use to make equity a key focus in things like public reporting programs, value based purchasing, to

try to capitalize on some of the shifts around payment that are happening.

1

2

We also asked the Disparities 3 Committee to help us oversee the trial period and 4 5 to provide guidance. We've been giving them periodic updates over the past two years. 6 They are also asked to provide a crosscutting emphasis 7 on disparities across all of NQF's work. 8 So, as 9 we move to the conclusion of the 2-year trial period we'll update the committee during their 10 June meeting and get their guidance on a 11 12 potential path forward here.

13 They actually were just meeting Monday 14 and Tuesday. So we presented them our evaluation 15 plan, what kind of data we could put together to 16 support their recommendations, and see if there 17 was anything else they thought we should look at 18 as we start to make potential recommendations 19 around whether we should make this a permanent 20 change in policy, if we should extend the trial 21 period, or we should put that ban back in place and, you know, that looking at social risk 22

(202) 234-4433

factors and risk adjustment models is the wrong
 way to go.

So we have asked the standing 3 4 committees to consider a few key questions when 5 they're looking at SDS adjusted measures. First, we asked them to look if there's a conceptual 6 7 relationship between the factor being considered 8 and the focus of the measure. 9 Was that risk factor present at the 10 start of care, is there variation in the 11 prevalence of that factor across the measured 12 entities? 13 Do the empirical analyses, that is the 14 ones provided by the measure developer, show that 15 the social risk factor has a significant and 16 unique effect on the outcome in question? And is the information available and 17 18 generally accessible for the measured patient population? 19 20 So, I did want to update you all on 21 some of our findings to date. This is still really just at the start of gathering our data 22

and evaluating what's happened over the past two 1 2 years. So there will be more information to come, but a little sneak preview, if you will, of 3 4 what we've been finding. So, as I was saying, since April 2015 5 we have asked all of our standing committees to 6 7 consider the potential role of SDS factors in the evaluation of all submitted measures, with a 8 9 particular focus on outcome measures. We also had the Readmission and the 10 Cost and Resource Use Standing Committee go back 11 12 and take a look at some measures that were 13 endorsed with the condition that the developers 14 perform some additional analyses to determine if there was a need for the inclusion of SDS factors 15 16 in their models. Those measures were endorsed 17 immediately prior to the start of the trial 18 period, and the potential need for SDS adjustment 19 had been a big theme in their endorsement 20 reviews. 21 So, ultimately, the board of directors 22 put this condition on their endorsements. So we

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

worked with the developers to bring them back in and do some, some additional work around there to determine the impact of these factors.

So, probably not a shock to anyone 4 5 given your conversation this morning and what Karen presented, we've had a significant number 6 7 of measures come forward with a strong conceptual basis for SDS adjustment. However, when you look 8 9 at the empirical analyses to support whether or not you put that factor in your risk adjustment 10 model, frequently it just hasn't been there. 11 It 12 doesn't change the performance of the risk 13 adjustment model. It's a very, very tiny effect, 14 so developers have chosen to leave it out, given 15 some of the politically charged nature around 16 this topic.

To date, we've actually had a relatively small number of measures that have been endorsed with risk adjustment for SDS factors. Some examples are we have a patient reported outcome for pediatric experience of care that is survey-based and takes into effect the

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

caregiver's education level to the person 1 2 completing the survey. We've also had some measures in the 3 4 nursing home setting. One around hospital 5 readmission and one about discharge to the community that look at things like payer mix and 6 marital status, so as a proxy for caregiver 7 8 availability. 9 And, whoops, I had the same bullet 10 twice, apologies there. 11 So, again, really just to tack onto the conversation this group's already been 12 having, we've really found there's very limited 13 14 availability of patient-level data. We've had 15 developers do some extensive work to get to 9-16 digit ZIP Code. But it's not easy to do and not 17 really readily accessible. 18 Risk models using currently available 19 SDS adjusters are not demonstrating an association for measures that have a clear 20 21 conceptual basis. 22 MEMBER CUELLAR: Can you clarify?

What do you mean by the first point? 1 The data 2 are available as long as we have the ZIP Code. Is it the fact that the ZIP Code, 9-digit ZIP 3 4 Code isn't available? Because the other thing's 5 been constructed and you can just download. So basically 6 MS. O'ROURKE: Sure. 7 getting to that 9-digit ZIP Code has been 8 challenging. And when they did the 5-digit 9 analyses it was just not granular enough. I'm not understanding 10 MEMBER CUELLAR: 11 that. The 9-digit data are available. That 12 census data has been constructed. So is it that 13 they don't have the patient's 9-digit? 14 MS. O'ROURKE: So, the work to match 15 it, yes, to get to the patient's -- to match the 16 patient to their 9-digit ZIP Code through the 17 claims data. 18 MEMBER CUELLAR: Well, they don't have 19 an address? Okay, the problem is that many times 20 they don't have an address? MS. O'ROURKE: 21 Yeah. 22 MEMBER CUELLAR: So maybe that's what
1 we're talking about. 2 Yes. Some, yes, that's MS. O'ROURKE: 3 a better way to --It sounds like we 4 MEMBER CUELLAR: 5 don't have the 9-digit ZIP Code census block But that's the piece we do have? 6 data. 7 MS. O'ROURKE: Yes. So that is 8 available. And we've had developers use things 9 like the AHRQ SES index to get to that and then try to match that with what's in the claims data. 10 11 But it's proven to be quite a lot of work to get 12 that match done. And --13 MEMBER CUELLAR: Because they don't, 14 and the claims don't have the 9-digit ZIP Code? MS. O'ROURKE: I believe that is the 15 16 issue, yes. 17 MEMBER CUELLAR: It would have to be. 18 Because if they're arguing we don't have census 19 data down to the 9 digits, I can download that 20 for them in about 20 minutes. Right? 21 MEMBER POTTER: Not everybody has the 22 ability to process on 50 million records. That's

1

really the problem.

2	MEMBER CUELLAR: Right, but I don't
3	think that's the bullet's not capturing the
4	issue. Either it's that you don't have the
5	address, which means you don't have a 9-digit ZIP
6	Code, or it's that you don't have the
7	computational power to merge on, you know, a few
8	more variables.
9	MEMBER POTTER: But I think the issue
10	of it not being easily accessible is a legitimate
11	issue. I mean, if we were merging at the county
12	level as opposed to the 9-level ZIP Code, there's
13	a whole database that HRSA puts out called the
14	Area Resource File which has all kinds of stuff
15	at the county level. And it's readily available.
16	This isn't readily available, you
17	know.
18	MEMBER CUELLAR: Well, but it could
19	easily be, since it has been constructed, it
20	could easily be made available. And if that's
21	the if it's the computational power of, gee,
22	now I've got to merge it on, that's no different

from merging on the Area Resource File 1 2 conceptually. If your programs can do one, they can do the other, if the computers can. 3 I mean, 4 I'm not saying they all can. 5 But then it's a can we make this 9digit ZIP Code file with the census information 6 7 more accessible? That we could do. 8 MEMBER LYTLE: Without having to pay 9 for it. Right. Right. 10 MEMBER CUELLAR: 11 MS. O'ROURKE: So we've also heard 12 some other concerns about the factors that 13 developers have selected and analyzed. Some of 14 the proxies that they've been using to get to a person's actual socioeconomic status and their 15 16 social risk have not really been adequate. 17 They're just a little too blunt to show a 18 person's actual -- I think Charlie put it very 19 well -- the data versus the person issue. 20 We also had a lot of push back from 21 some of our stakeholders about when developers 22 have included race as a potential variable. We

have not adjusted any measures with race in their 1 2 final risk adjustment models. But it's been a pushback from stakeholders that developers have 3 4 even looked at that. We took it to our Disparities 5 Committee for some more guidance there, and they 6 7 came down more along only really if there's a genetic basis, emphasizing it should not be a 8 9 proxy for socioeconomic status. We've also heard from some of our 10 11 stakeholders a call for a more prescriptive 12 approach to how developers are testing these 13 variables. For some background for those of you that haven't been involved in our endorsement 14 15 committees, NOF does not tell developers what 16 methods to use to test their risk adjustment 17 models. We also don't give a standard set of 18 variables that they should look at. It's up to 19 them to make the decisions about those things and 20 for the standing committees to determine if they 21 agree or disagree. 22 We've heard some, some calls that NQF

1	should be a little more prescriptive in this
2	space, but that's how we approach both clinical
3	and social variables, so it's something to think
4	about.
5	I did want to bring forward a slide
6	that has some of the implication for your family
7	of measures. Gave an update on this last year,
8	so just to close that loop.
9	A number of measures in the family
10	were reviewed during the trial period, mostly all
11	dealing with readmissions. All maintained
12	endorsement without social risk factors included
13	in their models.
14	Let's skip that slide because I think
15	we're all familiar with it after Karen's
16	presentation.
17	But just to keep you informed on some
18	of the next steps here. The Disparities
19	Committee met earlier this week, provided some
20	feedback to us on the evaluation plan for the
21	trial period. We'll bring them back together in
22	June to share the results of the evaluation and

to get their input on what could be a path 1 2 forward here. Similarly, we'll take it to our 3 4 Consensus Standards Approval Committee in July 5 for any thoughts that they might have. And then in July the board is tasked with determining what 6 7 should be our path forward here. 8 CO-CHAIR MONSON: Erin, can I go back 9 and ask a question? MS. O'ROURKE: Of course. 10 11 CO-CHAIR MONSON: So, on those five, 12 or the ones that you looked at when you said that there was no -- so I'm just reflecting on the 13 14 prior conversation where dual status alone seemed 15 to have a major impact. Is there no adjustment 16 because you're using dual as a subgroup, therefore within dual? Or is it there's no 17 18 adjustment for dual/non-dual status? 19 MS. O'ROURKE: No adjustment for dual/non-dual status. 20 21 CO-CHAIR MONSON: So why do you think 22 that is that the ASPE work shows something so

different than what you guys have been doing? There's something that doesn't fit is what I mean.

I think you hit on the 4 MS. O'ROURKE: 5 million dollar question. We've heard a lot of 6 different potential reasons. Some developers 7 used whether it improved the C-statistic of the 8 risk adjustment model, so the, really the stat 9 you look at to see how well your risk adjustment model is predicting outcomes as their metric for 10 11 whether they'd include or not include. And 12 anything that didn't improve that, they didn't 13 improve.

14 We've heard some concerns that some of 15 the developers looked at all of the clinical 16 factors first and then baked in things like dual 17 eligibility as a risk adjuster. So that by the 18 time you got to that, most of the risk was 19 accounted for by the clinical factors and you 20 just had a very small effect seen by dual status. 21 So, I think it's something we've 22 gotten pushback on from particularly the provider

1

2

3

1	community. And as Karen was saying, there's a
2	lot of evidence that there's something there, and
3	it's not showing up when developers do these
4	calculations.
5	CO-CHAIR MONSON: I think Alison
6	wanted to go first and then D.E.B.
7	MEMBER CUELLAR: Is it also possible,
8	given what you've said, that NQF doesn't impose
9	any methodology, that they didn't even test dual
10	as one of their factors?
11	MS. O'ROURKE: Yes. So not every
12	you were not required to test dual.
13	MEMBER CUELLAR: What they would have
14	said is risk adjustment didn't matter, but they
15	may not have looked at dual versus non-dual.
16	MEMBER POTTER: There's also data
17	systems that don't adequately capture secondary
18	payers, which in this case is the duals. And so
19	when you're talking about clinicians and
20	hospitals, the primary payer is Medicare, and
21	then the hospital or the doctor would have to
22	have another variable that said they were also

covered by Medicaid and somehow captured that in
adjustment.

3	So, I think some of it is just
4	accessing the information at the clinician or the
5	provider level, which is different than what CMS
6	can do when it goes and looks at the enrollment
7	file and it has just one little variable it can
8	attach to a person that says they're dual.
9	CO-CHAIR MONSON: Tom.
10	MEMBER LUTZOW: I'm sure you have, you
11	know, a good statistical consultation. We
12	certainly have found that evaluating one factor
13	at a time may not be the right way to go because
14	these factors play they have
15	interrelationships, interactions behind the
16	scenes. So, hopefully, as you look at this,
17	these things are not got from isolation but
18	looked at in groups because as groups they may
19	have an impact. But I'm sure you're looking at
20	that.
21	MS. O'ROURKE: Yes, it's a good point,
22	how you look at things can have a significant

I

impact. And that's certainly something we've heard from some of the stakeholders that are telling us these measures should be adjusted and we need to push harder here. So that's a good input.

CO-CHAIR MONSON: Rich.

7 MEMBER BRINGEWATT: Yeah. I think 8 this is in part related to what often happens 9 when there's a self-evaluation done where the 10 measures used are defined by the person doing 11 their own evaluation, you know, and where there 12 aren't outside standards.

13 And I think part of what National 14 Quality Forum is about as it relates to provider standards is that there is some standard relative 15 16 to whether the measure is adequately tested, and 17 what are the factors that were involved, and what 18 is the population mix that was involved? And 19 it's, you know, the National Quality Forum has a 20 very rigorous set of standards for whether it's a 21 good measure or not. And I think that and all due respect to the people who have done these, 22

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

done the measurement, I'm not trying to cast 1 2 aspersions on anyone. But I think it's just good scientific process that there be standards set 3 for testing of whether social risk factors are 4 adequately addressed in any of the measures used. 5 You know, we, that kind of standard is 6 7 applied to every other performance measurement 8 for providers, for plans. I think it should be 9 also used for the testing of the adequacy of whether the measure includes or excludes 10 11 accounting for social risk factors. 12 CO-CHAIR MONSON: Alison. I don't know that the 13 MEMBER CUELLAR: 14 statisticians could ever tell you whether you should adjust for a risk factor because the 15 16 implications are profound. Right? So, if you 17 serve a lot of duals, according to the ASPE 18 result, and your, let's say your quality was a 4, 19 if you serve a lot of duals they're going to 20 upweight it and it's going to look like a 4.2. 21 Right? Just sort of roughly speaking. 22 Whether you want to do that or not is

a policy decision; right? You're going to get, 1 2 right, it has to do with penalties one way or the other, even playing fields, which playing fields 3 4 do you want to even out, which ones do you not 5 Neither the Academy nor ASPE is telling want to. CMS whether or not they should do it, they're 6 7 just saying statistically would it even matter. 8 So, but none of them disagree with the 9 idea that one can report it separately by subgroup. But that's innocuous. 10 That's not 11 moving money from A to B or C to D in ways that you may or may not -- they're tradeoffs. 12 I mean, 13 everyone is very clear that there are tradeoffs. There are tradeoffs. Once duals in an ASPE 14 report is statistically meaningful, then they 15 16 simulate would it have moved money to use? And 17 the answer is yes. Is that desirable is another 18 question. 19 So I don't think NQF alone is ever 20 going to be able to tell you you must do this 21 adjustment because it's going to depend on what

(202) 234-4433

22

Neal R. Gross and Co., Inc. Washington DC

your goal is. It could tell you whether

statistically it mattered. And then NQF could, I would think, say subgroup reporting makes sense if statistically the duals group looks different. And that's not going to move money from A to B, it's just going to shine light on subgroup differences that appear to matter in the analyses.

8 So, I'm not exactly sure why the 9 subgroup's charge is to figure out whether we should do the quality adjustment as opposed to 10 just give us some statistical information. 11 And 12 if the statistical information is so 13 heterogeneous, it's very difficult to process. 14 It's like saying we have no definition of validity, reliability, sensitivity. Just throw 15 any number you want at us and we'll review it and 16 17 I mean I don't -- it seems a little odd. assess. 18 MS. O'ROURKE: Great. So, I really 19 just wanted to get some input from this 20 committee, continue the conversation that you've 21 already been having previously and just now. As 22 we start to bring this to the Disparities

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

7

Committee is there any input or guidance you'd
like us to think about, particularly since dual
eligible status has been one of the most common
factors that our developers have tested? Any
thoughts on that? Arguments for or against?
Anything we should be cautious about?

7 MEMBER POTTER: I just have a question 8 really. Is there someplace where there's a list 9 of the measures? I mean, if we go to the QPS is 10 there a way to search and have the measures that 11 have this adjustment come up?

12 MS. O'ROURKE: It will be coming in 13 the future weeks ahead. We're actually wrapping 14 up our data collection process now, asking staff to fill out all this data so that we can go 15 16 through things like QPS and perhaps create one of 17 our -- I forgot the term -- a portfolio of 18 measures that has that information for you. 19 So, stay tuned. It will be coming. 20 We're also doing some work around 21 trying to get out what variables were looked at for each measure. You know, we want to be very 22

transparent here about what happened and get the 1 2 information out to you also. It's coming. It would be helpful. 3 MEMBER CUELLAR: 4 Even just to know whether or not they looked at 5 dual or not and with what other variables, and then what methods they used. 6 7 MS. O'ROURKE: Sure. Yes. CO-CHAIR MONSON: 8 Pam. 9 MEMBER PARKER: Have they looked at dual at all? And you said that might be 10 separately reported in some of them, or not? 11 12 MS. O'ROURKE: They should. If they 13 included it, they would have the instructions to 14 stratify so you could report that. MEMBER PARKER: And does that mean 15 16 that the measure is used comparing the dual group 17 to another dual group? Or does it mean it's just 18 reported out like that? 19 MS. O'ROURKE: So, it would be how 20 it's endorsed. Unfortunately, we don't always 21 control how a measure is used. Someone could choose to use what would be the non-endorsed 22

version that doesn't include a certain adjuster 1 2 or how they reported out. So, it's a recommendation for how NQF would like to see the 3 measure used and what we've endorsed as the best 4 5 practice. But the decision about which version of a measure to use really rests with the payer 6 7 or the purchaser group that's doing the 8 evaluation.

9 MEMBER PARKER: Well, I can see where 10 it might depend on the specific measure. But it 11 would, I would think it would be good to 12 encourage them to try to say whether or not, you 13 know, it would be appropriate to compare duals 14 against duals in that measure rather than duals 15 against everybody else. You know, if you're 16 going to stratify it and you're going to report 17 it out in that way, then that gives you that opportunity. And so it would be good if they, 18 19 you know, if they utilized it in some way and 20 suggested that, so. 21 CO-CHAIR MONSON: Tom.

22

MEMBER LUTZOW: Yeah. I'm hopeful

that the guidance would maybe be adopted in terms 1 2 of testing for SES or social determinant impact. I think we saw some measures yesterday, the HIV 3 measure, where the developer assured us that 4 there was no social development impact. 5 Rather than an assurance, it would be 6 nice to hear that we tested this against NCQA's 7 standards and it came up negative. Okay, now I, 8 9 now I believe that. But, hopefully that is a 10 product that you come out with. 11 Rich. CO-CHAIR MONSON: 12 MEMBER BRINGEWATT: Yeah. I, well, a 13 couple of things. One, in looking at the options 14 that are under consideration here, I think they're reasonable options to consider because it 15 16 provides a good basis for discussion. 17 I would be extremely disappointed if 18 the decision was made to rescind, you know, no 19 longer go forth in doing this. This is a, you 20 know, to be fair to measure developers, this is 21 even though research on the effects of social factors in health and health outcomes is well 22

established, you know, that has been demonstrated in multiple ways for decades. Dealing with risk adjustment or sorting out how to account for that performance measurement is a relatively new science.

And so I think at some level we have 6 7 to be cautious and careful about acting too quickly. At the same time, I think we have to be 8 9 careful that we do in fact act because there's clear evidence that there is an influence here. 10 11 And even in relation to all-cause hospital 12 readmissions, there are a couple of very, you know, scientifically -- scientific studies that 13 14 show exactly the opposite, you know, that there is, that social factors do influence the 15 16 reporting of all-cause readmissions.

And so, that raises questions about methodology that I think are appropriate to ask for an organization like the National Quality Forum. Which drives me towards, you know, a suggestion that there be more work done in this area, that now is not the time to stop. But it

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

1	seems to me like, you know, there have been
2	minimum standards for what is necessary in
3	looking at other measures. Seems to me like
4	there should be minimum standards for the testing
5	of social factors in performance measurement.
6	And there's differences of opinion as
7	to what that should be. And that's appropriate.
8	But, you know, I think it would be remiss if
9	there wasn't some leadership provided, even if
10	it's a matter of guidelines and not a
11	requirement. You know, at least some leadership
12	provided on the part of the National Quality
13	Forum for addressing this issue in a
14	scientifically rigorous way. It is the quality
15	standard, so define the quality standard for
16	doing this.
17	MEMBER ROSS: Hi, Erin. I don't know
18	if you were here this morning. I mentioned but
19	could not remember the four major subpopulations
20	in the duals population that this committee
21	analyzed and studied in 2013 and 2014. But I
22	would just remind you and remind all of us, those

are official reports from the National Quality 1 2 Forum to CMS to go back and examine what we said about those four. 3 We spent a whole meeting defining the 4 5 four and then we studied it for another year-and-And I can't remember precisely, I could 6 a-half. 7 guess but I can't remember precisely what the 8 four were. 9 I apologize, I didn't listen to the Disparities Committee meeting Monday and Tuesday. 10 11 But previous meetings, the sole, single 12 disability expert on the committee was 13 disappointed. The National Academy of Medicine 14 concluded that disability was a product of but is not a factor, a risk factor. And so the 15 16 representative previous to this week -- because I 17 don't know what happened this week -- was 18 disappointed that this Disparities Committee just 19 accepted the National Academy of Medicine recommendation that we shouldn't really focus on 20 21 disability; it's a product and it's important but it's not a risk factor. And the disability 22

1 field, obviously, would like that kind of 2 thinking further discussed. MS. O'ROURKE: I think those are both 3 4 great points. I think to your first point, 5 that's a great suggestion to go back to those reports and see what could be done about maybe 6 7 breaking duals down. If that, if that factor is 8 still too not getting granular enough, what could 9 be done to break that down. 10 So I can pull those and see what this committee previously said. 11 12 For your point about Dr. Iezzoni's 13 strong feelings about the NAM report, that was a 14 prominent feature of discussion at the meeting earlier this week. So we I think will have some 15 16 language in our reports perhaps challenging that 17 and suggesting potential different directions. 18 MEMBER ROSS: Thank you. 19 CO-CHAIR MONSON: Other comments? 20 Anything else you need from us, Erin? 21 MS. O'ROURKE: No, this was great. 22 Actually I was in the back listening for most of

the morning. And this has been really helpful 1 2 It was remarkable how well the input. conversation tracked between this group and our 3 4 Disparities Group. So that gives me some 5 encouragement that we have some validity there and we're on the right track. 6 7 So, thank you for all of your time and 8 And we'll be bringing this to our input. 9 Disparities Committee in June as they start to think about what's our path forward here. 10 So 11 thank you so much for your time this morning. 12 CO-CHAIR MONSON: Thank you, Erin. 13 I think we're going to go to public 14 comment. Yes, hi. 15 MS. BUCHANAN: Shawn, would 16 you mind opening up the lines so we can hear from 17 any members of the public. Additionally, if you 18 are not connected via telephone and you would like to chat a question in your chat box, NQF 19 20 staff can read it aloud. 21 OPERATOR: And at this time if you 22 would like to make a public comment, please press

1 star then the number one on your telephone 2 keypad. And we have no public comments at this 3 4 time. 5 Thank you. MS. BUCHANAN: CO-CHAIR MONSON: All right. 6 So we 7 are actually like a half hour ahead. But, 8 unfortunately, our next speaker is external so we 9 can't necessarily get them to move up faster. So the bonus to that is there's a long lunch then. 10 11 So, we need to be back here, we're 12 going to start again at 1:15, 1:15 Eastern. 13 Enjoy lunch. 14 (Whereupon, the above-entitled matter went off the record at 12:16 p.m. and resumed at 15 16 1:15 p.m.) 17 CO-CHAIR MONSON: All right. We are 18 reconvening, finishing lunch. 19 DR. ABERY: Okay. 20 CO-CHAIR MONSON: All right, guys. 21 We've all been guilty. So, we're sitting. We're 22 sitting. We're not chatting. We're listening.

	-
1	Rachel is taking over or Kate is.
2	MS. BUCHANAN: Hi. Thank you very
3	much. And, Brian, I just want to make sure that
4	we can hear you.
5	DR. ABERY: Yes. This is Brian here
6	and Renata Ticha.
7	MS. BUCHANAN: Great. So, we just
8	want to briefly introduce Dr. Brian Abery, who is
9	co-director of the Rehabilitation Research and
10	Training Center on HCBS Outcome Measurement at
11	the University of Minnesota's Institute on
12	Community Integration.
13	And he is also the co-director of the
14	Institute's Educational Assessment and
15	Intervention Program.
16	And we'd also like to introduce his
17	colleague, Dr. Renata Ticha, who is a research
18	associate and a principal investigator at the
19	University of Minnesota's Institute on Community
20	Integration.
21	And if you all wouldn't mind just
22	saying "next," we'll move the slides along for

And with that, we'll take it off. 1 you. 2 DR. ABERY: Okay. Well, thank you 3 very much. We appreciate the opportunity to 4 share the work we're doing with our Research and Training Center on Home and Community Based 5 Services Outcome Measurement with you. 6 And we will try to stay within our 7 8 time limit today. I know I sent a lot of slides 9 and we're going to move through these fairly 10 quickly, but we wanted to give you some examples 11 of some of the learning that has occurred since 12 we began our project approximately a year and a 13 half ago. 14 Can we go to the next slide, please. Although some of you may know a little bit about 15 16 our Research and Training Center, I just wanted 17 to introduce you to our primary partners before 18 we got into content. 19 In addition to the University of 20 Minnesota and our Institute on Community 21 Integration, we are working with Mark Salzer, Gretchen Snethen and Beth Pfeiffer at Temple 22

1	University; with Steve Kaye from the University
2	of California-San Francisco; with John Corrigan
3	from The Ohio State University; and Joe Caldwell
4	from the National Council on Aging.
5	We are also working with a number of
6	the organizations that are involved in
7	administering HCBS outcome measurement programs.
8	And of course we're funded by NIDILRR.
9	Next slide. So, I'd like to begin by
10	just kind of letting people know that we are a
11	five-year research and training center.
12	And our goal was to undertake a
13	program of research that would really help us
14	collect and analyze the data necessary to be able
15	to report to a wide variety of end users,
16	specific measures related to HCBS outcomes and
17	quality that were both psychometrically sound and
18	could be used with multiple populations ranging
19	from individuals with intellectual and
20	developmental disabilities, physical and
21	psychiatric disabilities, traumatic brain injury
22	and age-related settings.

(202) 234-4433

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

And we really wanted to focus on the 1 2 development of measures that could be used in specific settings and contexts along with 3 relevant risk adjusters. 4 In addition to the development work we 5 are doing here, we're also providing training and 6 7 technical assistance to a variety of stakeholders on outcome measurement in the HCBS field both in 8 9 Minnesota and nationally. 10 Next. Next slide, please. What I really want to kind of focus on before we get 11 12 into the content, is the fact that, you know, as 13 we have thought about our research and were 14 developing our center, we really wanted to start at Base 1 with the National Quality Forum's 15 16 framework and really take it out to stakeholder 17 groups, a variety of stakeholder groups 18 nationally and figure out, first, what they 19 thought was most important to measure. 20 We have in the NQF framework, what 21 experts in the field thought was most important 22 to measure. We really wanted to get out into the

community as our first step and find out what 1 2 those other stakeholders are thinking. 3 As a second step, we wanted to identify gaps between the current measures which 4 5 are out there and available for use in both the NOF framework and federal and state policy 6 7 operational drivers. And then, to identify which measures 8 9 are currently psychometrically sound and robust enough to be used across multiple populations. 10 11 And then, to really start a three-anda-half-year process that includes development -12 13 field-testing to support the refinement and 14 development of new measures to get at those gap 15 areas. 16 Next slide, please. So, our goal is 17 not to create a master instrument. I mean, we're 18 not trying to replicate what, you know, other 19 groups who have national projects are undertaking 20 with respect to HCBS outcome measurement. 21 It was really to try to take measurement in this area, kind of that next step, 22

so we could report to end users, you know, what 1 2 measures are psychometrically appropriate to use with specific populations and contexts and 3 settings and with the eventual goal of NOF 4 5 endorsement in those areas that our stakeholders indicated were most important and which we 6 identify gaps within. 7 Next slide. So, we have kind of 8 9 conceptualized our work over the five-year period as consisting of six different studies. 10 11 Study 1 I've already alluded to; 12 soliciting broad stakeholder input on the NQF measurement framework. 13 14 Study 2, which is also well underway, is a gap analysis and we're taking a look at the 15 16 NOF measurement framework and current instruments which are being used to measure HCBS outcomes. 17 18 Study 3 focuses on the identification 19 of high-quality/high-fidelity implementation 20 practices in HCBS measurement. 21 In Study 4, we'll be working very closely with our colleagues at Temple in the 22

refinement and development of new measures. 1 2 Study 5 is a large-scale study focused on kind of a national study to ascertaining the 3 reliability, validity and sensitivity to change 4 of the measures we have refined and newly 5 developed. 6 7 And then, finally, Study 6, which is a little bit out of order there, which we're 8 9 already working on, is to identify and eventually test in Studies 4 and 5, relevant risk adjusters 10 for home and community service-based outcomes. 11 12 Next slide, please. So, I'm sure all 13 of you are familiar with the National Quality 14 Forum framework. So, we can just kind of put this slide up for just a minute or so with its 11 15 domains and two to seven subdomains within each 16 17 domain. 18 This was kind of our beginning point 19 of our research in Study 1. We can go through 20 the next two slides quite quickly just to give 21 the group -- you can see we have the slides that 22 focus on human and legal rights, service delivery

and effectiveness, workforce, system performance and accountability. And the more individualized outcomes, choice and control, community inclusion, equity, holistic health and functioning.

6 So, if we go to the next slide, we can 7 talk about our first study. And that really was 8 designed to gain the input of a critical set of 9 representative stakeholders from around the 10 country.

11 Next slide. What we are using for 12 this process is a group of stakeholders who include individuals with disabilities across that 13 14 disability group that we are working with, family members of persons with disabilities when that is 15 16 appropriate, providers, and program administrators both at a state and national 17 18 level. 19 And, again, our disability populations of focus were individuals with intellectual and 20 21 developmental disabilities, physical 22 disabilities, traumatic brain injury, psychiatric

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

1 disabilities and mental health challenges, and age-related disabilities. 2 Next slide. 3 4 CO-CHAIR MONSON: Brian, can I just 5 interrupt for a second? This is Michael Monson from Centene. 6 7 So, the one group I didn't see on 8 there, and I say this as a self-interested party, 9 was health plans. 10 Are you planning on incorporating them as well? 11 12 DR. ABERY: I didn't catch that group. 13 CO-CHAIR MONSON: Health plans, 14 managed care organizations. 15 DR. ABERY: Oh. Yes, they were 16 actually part of our program administrator and 17 provider groups. 18 CO-CHAIR MONSON: Thank you. 19 DR. ABERY: So, we're using a process 20 that we have developed here at the University's 21 Institute called participatory planning and 22 decision-making. And I'm just going to quickly

1 kind of go through the process so you have a 2 feeling for what we did as part of this group. In each phase of the process, 3 4 stakeholders are distributing ideas to the 5 framework --- to the NOF framework under discussion. 6 7 They have the opportunity to add new 8 domains and broad domains, if they want, 9 subdomains. They can suggest the removal of domains or subdomains they view as unimportant. 10 11 They then provide importance 12 weightings for each domain and subdomain. They discuss their thinking while undertaking these 13 14 importance weightings. And then they do a second 15 round of importance weightings. 16 Following the weighting of both 17 domains and subdomains, we then are able to 18 determine proportional importance weights that 19 are assigned to each subdomain. 20 So, it's a very interactive process 21 that takes about two to two-and-a-half hours to implement. 22

And we basically
roups over the
alf of the
icipants.
roups left to
ips cut across
of those
discussed.
e next slide, which
cipants resided,
e east coast, but
in both rural
our disability
er that's going to
really see. But
l of those groups
part of our
framework question
this study, was
were viewed by

our various stakeholder groups as most important 1 2 to measure, what if there were differences between our stakeholder groups and disability 3 4 populations and how they prioritize those 5 domains, and really to look at the extent to which the stakeholders supported the current NQF 6 7 framework as including everything that they 8 thought was a critical importance to measure and 9 looking at HCBS outcomes. So, this next slide just gives 10 Next. you an indication of our importance weightings 11

12 across the various domains of the NQF.

13 Those numbers on the right-hand side 14 include both the importance weightings, which are 15 weighted on a zero-to-100-point scale for most 16 groups and our standard error.

And as you can see, the individuals who were part of the NQF group that developed the framework, you know, basically hit the nail on the head, so to speak, in that all of the basic domains that were identified by the group of experts were considered by our stakeholders

across the country, across these disability and 1 2 stakeholder groups, as to the importance. When we looked at the subdomains, 3 there were some additional differences. 4 And we can talk about those in just a minute. 5 We took a look at both the 6 Next. domain and subdomain level using multi-analysis 7 8 variants, to really take a look at whether 9 domains were evaluated in a similar manner by 10 disability population and stakeholder type using 11 both a full factorial design and some post-hoc 12 comparisons to really see whether we had some significant effects at the domain and subdomain 13 14 level. So, we did find that 15 Next slide. 16 there were, in general --- there was, in general, 17 a high degree of agreement among the groups, but 18 there were some areas where stakeholder groups 19 differed with respect to how important they 20 thought these outcome areas were to measure. 21 And that's important to understand 22 that they were basically working off the NQF
framework and the operational definitions that 1 2 each of those areas provided and were really providing weightings of measurement importance 3 rather than how important are these domains to 4 them personally. 5 The areas where we found some 6 significant effects were in choice and control, 7 8 consumer leadership in system development, human 9 and legal rights, community inclusion, and service delivery and effectiveness. 10 11 Next slide. I'm going to just go 12 through the next several slides pretty quickly to 13 just give you kind of an overview of some of the 14 things that we found. And many of these differences are things that, you know, we really 15 16 expected to find. 17 So, for example, you know, we found 18 that, you know, across the groups, the group of 19 family members -- or the groups of family members 20 tended to weight personal choice and control 21 significantly lower in importance than both providers and individuals with disabilities. 22

1	Next slide. You know what? Go ahead.
2	Next. We'll go one more. At the subdomain
3	level, we found some interesting differences in
4	that persons with age-related disabilities rated
5	personal choice as significantly more important
6	to measure than the other disability groups.
7	And, again, these are based upon Z-
8	scores. So, we're taking a look at kind of the
9	average importance weightings that people
10	assigned across the domains and subdomains, and
11	then the extent to which their weightings and
12	specific areas were significantly above and below
13	that.
14	Next slide. Still staying within the
15	domain of choice and control, you can see that
16	when we discuss self-direction of persons with
17	physical disabilities, so within that group,
18	there was an interaction between the stakeholder
19	group and the disability types. Persons with
20	physical disabilities rated self-direction as
21	relatively important.
22	Next slide. Providers for the IDD

1group rated self-direction as below average importance to measure. And, again, this is directing your own excuse me directing your own service planning and service delivery.5Families of individuals with disabilities, on the other hand, rated self- direction as of average importance.8Next slide. In human and legal rights, you can see, as expected, you know, all groups rated them as important. But individuals with disabilities rated that area as significantly more important than provider members and family.14Next. The highlighted areas are just the areas that we're going to focus on. So, if we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members.12Next. Persons with IDD rated community inclusion as significantly more	I	
 directing your own excuse me directing your own service planning and service delivery. Families of individuals with disabilities, on the other hand, rated self- direction as of average importance. Next slide. In human and legal rights, you can see, as expected, you know, all groups rated them as important. But individuals with disabilities rated that area as significantly more important than provider members and family. Next. The highlighted areas are just the areas that we're going to focus on. So, if we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members. 	1	group rated self-direction as below average
4own service planning and service delivery.5Families of individuals with6disabilities, on the other hand, rated self-7direction as of average importance.8Next slide. In human and legal9rights, you can see, as expected, you know, all10groups rated them as important. But individuals11with disabilities rated that area as12significantly more important than provider13members and family.14Next. The highlighted areas are just15the areas that we're going to focus on. So, if16we can go to the next slide, okay, you can see17that, again, there were some differences in18providers rating the optimization of legal and19human rights as significantly less important than20Axt. Persons with IDD rated	2	importance to measure. And, again, this is
5Families of individuals with6disabilities, on the other hand, rated self-7direction as of average importance.8Next slide. In human and legal9rights, you can see, as expected, you know, all10groups rated them as important. But individuals11with disabilities rated that area as12significantly more important than provider13members and family.14Next. The highlighted areas are just15the areas that we're going to focus on. So, if16we can go to the next slide, okay, you can see17that, again, there were some differences in18providers rating the optimization of legal and19human rights as significantly less important than20Ext. Persons with IDD rated	3	directing your own excuse me directing your
 disabilities, on the other hand, rated self- direction as of average importance. Next slide. In human and legal rights, you can see, as expected, you know, all groups rated them as important. But individuals with disabilities rated that area as significantly more important than provider members and family. Next. The highlighted areas are just the areas that we're going to focus on. So, if we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members. 	4	own service planning and service delivery.
7direction as of average importance.8Next slide. In human and legal9rights, you can see, as expected, you know, all10groups rated them as important. But individuals11with disabilities rated that area as12significantly more important than provider13members and family.14Next. The highlighted areas are just15the areas that we're going to focus on. So, if16we can go to the next slide, okay, you can see17that, again, there were some differences in18providers rating the optimization of legal and19human rights as significantly less important than20Next. Persons with IDD rated	5	Families of individuals with
 8 Next slide. In human and legal 9 rights, you can see, as expected, you know, all 10 groups rated them as important. But individuals 11 with disabilities rated that area as 12 significantly more important than provider 13 members and family. 14 Next. The highlighted areas are just 15 the areas that we're going to focus on. So, if 16 we can go to the next slide, okay, you can see 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated 	6	disabilities, on the other hand, rated self-
 9 rights, you can see, as expected, you know, all 10 groups rated them as important. But individuals 11 with disabilities rated that area as 12 significantly more important than provider 13 members and family. 14 Next. The highlighted areas are just 15 the areas that we're going to focus on. So, if 16 we can go to the next slide, okay, you can see 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 Intervent Market State St	7	direction as of average importance.
 10 groups rated them as important. But individuals 11 with disabilities rated that area as 12 significantly more important than provider 13 members and family. 14 Next. The highlighted areas are just 15 the areas that we're going to focus on. So, if 16 we can go to the next slide, okay, you can see 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated 	8	Next slide. In human and legal
 with disabilities rated that area as significantly more important than provider members and family. Next. The highlighted areas are just the areas that we're going to focus on. So, if we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members. Next. Persons with IDD rated 	9	rights, you can see, as expected, you know, all
 12 significantly more important than provider 13 members and family. 14 Next. The highlighted areas are just 15 the areas that we're going to focus on. So, if 16 we can go to the next slide, okay, you can see 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated 	10	groups rated them as important. But individuals
 members and family. Next. The highlighted areas are just the areas that we're going to focus on. So, if we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members. Next. Persons with IDD rated 	11	with disabilities rated that area as
14Next. The highlighted areas are just15the areas that we're going to focus on. So, if16we can go to the next slide, okay, you can see17that, again, there were some differences in18providers rating the optimization of legal and19human rights as significantly less important than20family members.21Next. Persons with IDD rated	12	significantly more important than provider
15 the areas that we're going to focus on. So, if 16 we can go to the next slide, okay, you can see 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated	13	members and family.
 we can go to the next slide, okay, you can see that, again, there were some differences in providers rating the optimization of legal and human rights as significantly less important than family members. 21 Next. Persons with IDD rated 	14	Next. The highlighted areas are just
 17 that, again, there were some differences in 18 providers rating the optimization of legal and 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated 	15	the areas that we're going to focus on. So, if
 providers rating the optimization of legal and human rights as significantly less important than family members. Next. Persons with IDD rated 	16	we can go to the next slide, okay, you can see
 19 human rights as significantly less important than 20 family members. 21 Next. Persons with IDD rated 	17	that, again, there were some differences in
20 family members. 21 Next. Persons with IDD rated	18	providers rating the optimization of legal and
21 Next. Persons with IDD rated	19	human rights as significantly less important than
	20	family members.
22 community inclusion as significantly more	21	Next. Persons with IDD rated
	22	community inclusion as significantly more

important to measure than all of the other groups.

3	Next. Next slide. And the subdomain
4	of meaningful activity was rated significantly
5	more important by persons with physical
6	disabilities and intellectual and developmental
7	disabilities compared to the aging population.
8	Again, just to remind the group that
9	we're talking about how important people felt
10	these were to include in measurement systems.
11	Next slide. So, in addition to
12	collecting quantitative data, we also got a lot
13	of input from individuals which we have partially
14	analyzed, we certainly are not finished with that
15	yet, that took a look at whether there were new
16	domains or subdomains that the groups thought
17	needed to be added to the NQF framework.
18	And we found that, you know, in the
19	areas of community inclusion, choice and control,
20	system performance and accountability, and
21	holistic health and functioning, we had a number
22	of groups and those numbers reflect the number

Neal R. Gross and Co., Inc. Washington DC

1

2

of groups that suggested additional domains or
 subdomains among all of those groups that we - that we had derived.

Next slide. Okay. So, again, I'm 4 5 just giving you some quick examples. Recommendations for the domain of community 6 inclusion included, you know, the need to ensure 7 8 that measurement developers are focusing to a 9 greater extent on diversity and cultural sensitivity, community outreach and education, 10 11 and individuals with disabilities feeling 12 welcomed and valued.

13 This is an area that we spent a lot of 14 time discussing with our group who had very strong feelings about how community inclusion is 15 16 currently measured in the most widely used measurement frameworks where it tends to be more 17 18 focused on how often individuals get out into the 19 community rather than their experiences within 20 the community.

21 What we heard again and again from 22 groups is, we really should be doing a better job

focusing people being of the community than 1 2 rather just being physically in it. Next slide. Recommendations for 3 choice and control indicated the need for 4 5 individuals with disabilities to be more effectively supported and empowered and to have 6 7 more choices available to them. The group felt that the current 8 9 framework really didn't place enough emphasis in either of these areas. 10 11 Next. This area was an area that we, 12 when we originally focused on the NQF framework 13 ourselves, thought was missing. And we were 14 interested in seeing across the stakeholder groups, what groups felt that employment needed 15 16 to be more attended to than it currently is. 17 Currently, as you know, in the domain 18 of community inclusion, there is a subdomain 19 called Meaningful Community Activity. And within 20 that is employment. 21 We heard from a number of our groups, 22 specifically persons with disabilities, family

members and providers, of the need for the 1 2 framework to include employment as a separate domain, because they really had concerns that it 3 would not be effectively addressed by measure 4 5 developers if it did not have inclusion at that 6 level. Next slide. 7 So, that just gives you 8 a quick overview of some of the things that we 9 learned in our Study No. 1. I think, you know, the major take-10 11 aways is that the work group that developed the 12 HCBS NOF measurement framework did a good job in 13 hitting on most of those areas. We have a lot of information from our 14 various stakeholder groups about how each of 15 16 those subdomains might be further improved and we 17 are in the process of putting together a 18 technical report that we will share with everyone 19 that will lay out in much more specific form, you 20 know, each of those recommendations. 21 So, that study was a study that really 22 needed to take place, we felt, before the

1

development of our measures.

2	As in Study No. 2, which my colleague,
3	Renata Ticha, will share with you, which is the
4	gap analysis, taking a look at the NQF framework
5	and its existing domains and subdomains, and
6	existing instruments and measures that are being
7	used to take a look at HCBS outcomes.
8	Renata.
9	DR. TICHA: Yes. So, Study 2 is
10	basically an effort that started about a year
11	ago. And we have a team of us, about five of us,
12	working on that study.
13	And we are reviewing and cataloging
14	all the instruments that we can find across the
15	disability areas that already exist and mapping
16	their areas or subscales and their items onto the
17	NQF framework as our first step.
18	Next slide. So, some of the main
19	questions for the Study 2, is the extent to which
20	the measures are mapping onto the NQF framework
21	and looking at the different characteristics of
22	those instruments, which is and I'm looking at

1 the following slide right now.

2	So, some of the characteristics
3	include response options, respondent type, type
4	of data, whether the items within the instrument
5	are person-centered, and if the instruments have
6	psychometric qualities, including reliability and
7	validity.
8	So, we can look at the next slide.
9	Some of the instruments that you can see there,
10	these are just, really, examples, because we are
11	close to coding a hundred instruments at this
12	point, but you can see some of the really big
13	ones that include National Core Indicators and
14	the different types of surveys under that
15	program, as well as some of the other ones that
16	you can see that are big.
17	One of the one's that's a little
18	different that you can see, number 19 is the
19	PEONIES assessment developed in Wisconsin.
20	So, as you can see, we have a variety
21	and different types of assessments that we have
22	coded so far.

i	
1	We can look at the next slide. How
2	has the method that we have used apart from
3	just cataloging the 95, and now it's about a
4	hundred, instruments, is really code every single
5	item within each of the instruments that has
6	mapped onto the NQF framework.
7	So, we are in the 5,000s of coding the
8	different items across the different
9	characteristics that we have just gone over. And
10	a lot of them have been assigned to the different
11	codes that we are coding. Some of them that have
12	not been assigned are just demographic questions
13	or questions that don't directly map onto the NQF
14	framework.
15	Next slide. This slide, in detail,
16	lists the different variables that we have coded
17	each of the items within each of the instruments.
18	So, apart from the NQF domains is
19	subdomains. You can see I was mentioning the
20	person-centeredness, the target population, the
21	purpose, psychometrics and also coverage area.
22	So, we are looking at very primarily those

instruments are being used.

1

2	Next slide. So far, we have learned
3	that of course there are some items in some
4	instruments that are, more or less, covering the
5	NQF framework. And I will show you some numbers
6	in the following tables.
7	We have learned that a lot of the
8	subdomains overlap. So, we end up double or
9	sometimes triple coding some of the questions
10	within instruments.
11	We are also learning that there are
12	less questions or items that cover the systems-
13	level performance and accountability versus the
14	individual more individual-level domains and
15	subdomains.
16	We have fewer items covering the
17	caregiver and caregiver support subdomains. And
18	also, not many items are covering consumer
19	leadership and system development. So, those are
20	some of the broader areas of coverage by the NQF
21	framework.
22	If you look at the next slide, this is

information -- we are currently developing a
 database of these measures as they map onto the
 NQF framework.

And the purpose of the database really will be for people to be able to see what measures that already exist, but also the ones that will be developing and refining, how do they map onto the NQF framework as they exist, but also how it's being refined by the results of Study 1 that Brian has gone over.

II I show you on the next slide an example of a dashboard that is kind of a precursor of the database that we are working on.

14 So, you can see in the table on the left-hand side, the coded items by domain. 15 And 16 so, you can see how many codes are for community inclusion, for example, for choice and control in 17 18 relation to some of the ones that I highlighted 19 that have not been covered as well that goes to 20 equity, consumer leadership, and system 21 performance and accountability.

22

And on the pie chart on the right-hand

side, you can see the percentage of coverage
 rather than just the raw numbers that you have in
 the table.

Moving on to the next slide, the next slide that's titled Instrument Heat Map, conveys similar type of information, but in a slightly different format.

8 So, you can see on the x-axis, you 9 have the names of the instruments, the National Core Indicators, PEONIES and so on. And then on 10 the left-hand side on the y-axis, you have the 11 12 domains. And then you can see kind of the level of coverage of the NQF domains within each of the 13 14 instruments. So, that's also available on our dashboard. 15

DR. ABERY: And then one thing which we aren't able to show you just because of size, is the fact that one can also look at that across each of the subdomains.

20 So, in some areas where there appear 21 to be a lot of -- some domains where there appear 22 to be a lot of questions, you know, those

questions really aren't equally distributed 1 2 across the subdomains. So, we may have many measures that focus on only one subdomain within 3 4 a domain rather than adequately covering all of 5 the subdomains. 6 DR. TICHA: Yes. So, on the next 7 slide, that's really an interesting slide, 8 because it does combine the data from Study 2 9 that Brian was describing, the groups, the PPDM 10 groups, and also from the gap analysis. 11 So, you can see the coverage of items 12 of the different domains, but also you can see 13 how the groups across the country have rated them 14 in importance and if there are any similarities and differences. 15 Hi. 16 MEMBER POTTER: Could you give us 17 a quick walk-through of how to interpret the 18 colors on this, please. 19 DR. TICHA: Yes, absolutely. So, the 20 darker the green color, the better coverage of items of the different domains. 21 22 So, for example, if you look at the

domain of community inclusion, we have not -- we 1 2 have coded 972 items that in some way cover the domain of community inclusion. 3 It doesn't speak to the quality of the 4 5 questions, but this is just a quantitative 6 coverage. 7 In the same way in the same line, 8 there is about 92 percent of the way that people 9 saw this domain as important. So, it's not as important as, for example, choice and control, 10 11 but choice and control only has about 620 items 12 that cover -- which is still very large -- of 13 that particular domain. 14 Does that help? 15 MEMBER POTTER: Yes. Thank you. 16 DR. TICHA: Okay. 17 CO-CHAIR MONSON: So, I had just a 18 question around the instruments. So, you said 19 there was like 94 instruments, but you've listed 20 a bunch of them, all very good ones. 21 I didn't see any on there that were state-based assessments like the 701 B from 22

Florida or the NRI, which is utilized. 1 2 So, are those included as well and they just didn't make it onto these charts? 3 4 DR. TICHA: Yes. So, that's a really 5 good point. We have included a number of the 6 state-level assessments. And we would be very happy to share with you the, you know, the whole 7 8 dashboard with all of the assessments. 9 But as you say, only the ones that 10 have really large coverage are -- we coded --11 some of the first ones were included on that 12 particular slide. 13 MEMBER ROSS: Hi. I have a question. This is Clarke Ross with the Consortium for 14 15 Citizens with Disabilities. Two questions. 16 These are instruments currently coded. 17 When I joined this National Quality 18 Forum group in 2012, I asked for an analysis of 19 PEONIES and was told that only two counties in 20 Wisconsin currently use it and that it didn't 21 meet a meaningful threshold of implementation even though the domains were wonderful. 22

1	So, this is my first question of two:
2	is do you have a threshold on use, and has
3	PEONIES increased its utilization of
4	implementation?
5	DR. ABERY: Okay. We did not have a
6	specific threshold of use. One of the things
7	that we wanted to do is to include instruments
8	which were new.
9	We were also encouraged by our NIDILRR
10	project officer and the individuals who we've met
11	within ACL, to include instruments that had been
12	developed in this area specifically for, for
13	example, federally-funded research projects which
14	while they might not be widely used, in some
15	cases are the instruments who have the best
16	psychometric data available on them to attest
17	their reliability and validity.
18	We did include PEONIES within our
19	analysis and have met with its developer, Sara
20	Karon, on a number of occasions.
21	What has happened in Wisconsin, is
22	that PEONIES has morphed into a similar type of

instrument which is referred to as -- Renata, do you remember?

3	DR. TICHA: IRIS.
4	DR. ABERY: IRIS. You know, so that
5	it is still being used in a sense; however, it is
6	not being used as far as we have been able to
7	track down outside of the state of Wisconsin.
8	Although, it does include, we think, some very
9	unique ways of taking a look at HCBS outcomes
10	which are significantly more person-centered than
11	some of the other instruments that many of the
12	other instruments that we've reviewed.
13	MEMBER ROSS: So, I agree on the value
14	and importance, but that's why I suggested it
15	years ago.
16	But when you think about health plans
17	and payers, something that's academically
18	developed that's only been used in a couple
19	counties and is no longer currently used is not
20	really relevant.
21	It's a helpful academic conceptual
22	thing, but it's the implementation experience

1

is important.

1

2	And then my second question, I don't
3	see the council and quality and leadership
4	personal outcome measures on the currently-coded
5	instruments. Do you plan to analyze that?
6	DR. TICHA: Actually, that's that
7	has already been coded and analyzed. That's one
8	of our main instruments that we have dealt with.
9	MEMBER ROSS: Thank you.
10	DR. TICHA: Yes. I just wanted to
11	also add to Brian's response to the PEONIES.
12	So, we as we have completed or
13	are completing Study 1 and are learning from the
14	quantitative, but also the qualitative
15	information what the stakeholders are seeing as
16	critical areas, one of the things that has come
17	up, for example, under community inclusion, is a
18	social inclusion that wasn't included as a
19	specific subdomain of the particular domain.
20	And instruments like PEONIES really
21	have the capacity to address some of the more
22	softer subdomains that are not as easily

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

measured with some of the hard-core quantitative 1 2 instruments. So, that's why we are still keen to include that instrument in our work as we move 3 4 forward through the Center. 5 DR. ABERY: Okay. If there are no other questions, our next slide, please -- oh, 6 and I should say before --7 8 MEMBER ROSS: Well, this is Clarke 9 I just -- PEONIES is a wonderful again. 10 instrument. That's why I advocated it years ago 11 here. 12 But if it's not used as an advocate, 13 it's hard for me to convince the health plan 14 folks around the table, and others -- I mean, it's a nice resource. It's well thought out. 15 It 16 has great domains. 17 You said it had good definitional 18 properties, but -- that's my frustration is --19 and I work closely with Joe Caldwell and I'll talk to him about this, but how much attention do 20 21 we give to something that's not implemented 22 almost anywhere.

1DR. TICHA: Right. And, you know, so2maybe we should go back to the beginning of our3presentation a little bit.

4 So, the purpose of our center is not 5 to promote, you know, some instruments over 6 others or say -- sort of recommend an instrument 7 over others, but it's really to pull items or 8 measure concepts and measures eventually when we 9 get there, that will be based on these 10 instruments.

11 So, for example, if we are suggesting 12 to measure social inclusion or we are suggesting 13 to measure choice and control or decision-making, 14 we are going to be recommending measures that 15 will be sets of items that we are basing on these 16 existing instruments and then filling gaps and 17 refining them to recommend those.

So, I hope people understand what our mission is that it's not just recommend an instrument, it's recommending measures at the end of our cycle.

22

CO-CHAIR MONSON: So, this is Michael

Monson from Centene again. I think I understood
 all of that.

I think it's really important, though, that as you do that, you do that in the context that, first of all, some are proprietary instruments, some are not.

7 So, if you're going to take specific 8 questions, for instance, from instrument A and 9 say that that's the right question to get to, 10 let's say, a choice and control measure, but instrument A is a proprietary measure and then 11 12 you're taking question 3 from instrument B that's 13 also a proprietary measure that gets you to 14 another measure, we could end up with kind of a mash-up of different questions from different 15 16 instruments and it will be extraordinarily 17 difficult to implement.

So, I guess I would encourage you to think about how you use -- because where you end up will direct us back to what we end up doing in the real world.

22

And I think we look -- I know that

from a health plan perspective, we would be 1 2 thrilled to have one standard assessment across all states for managed long-term services and 3 supports, assuming it's a good assessment, you 4 5 know, and assuming that we can always add additional questions to it. 6 7 But what would be really difficult 8 would be that we end up with states saying, well, 9 we want to measure this. And, therefore, you need to go buy this question from NRI and this 10 11 question from PEONIES and this question from over 12 here and having resistance from them because they 13 won't parse it out that way. 14 So, I just -- I don't think you can --15 I just would really encourage you to think about 16 the end point as much as the journey you're on

17 right now, because it needs to be something 18 that's actionable for all of us so that we can 19 actually get to where we all want to get to with 20 some standard measures that we can all use to 21 improve the system.

22

DR. TICHA: Yes. And thank you for

the question. It's a real important one. 1 We are 2 kind of in the thick of figuring that out right now, the proprietary material versus the one that 3 Also, versus -- we are looking at the 4 is not. questions that are covering certain measure 5 concepts right now. And some of them are great, 6 but some of them are not so good. 7 And so, we are really refining and 8 9 developing additional questions for each of the -

- each of the domains and subdomains -- well, not each, but the ones we are focusing on.

12 And the other piece of this is that we 13 really have to pay attention to if -- when we 14 were showing you some of the dashboard diagrams and some of the heat maps, if the domain or 15 16 subdomain really doesn't have sufficient coverage 17 and it doesn't have questions that a gap -- like 18 Brian was giving the example of community inclusion domain didn't really capture what 19 20 people are telling us in our groups, which is the 21 engagement -- the active engagement of the person 22 with a disability in the community.

> Neal R. Gross and Co., Inc. Washington DC

10

1	2
1	So, we'll have to come up with
2	questions that are not really included in any
3	other instrument that, you know, be it I don't
4	want to name specific instruments, but be it some
5	of the ones that are the big program of
6	assessment for the disability populations.
7	And so, we are really kind of in the
8	thick of thinking this through and we certainly
9	take your point into consideration very
10	seriously.
11	CO-CHAIR MONSON: So, the only other
12	thing I would add to that would be and I
13	appreciate you taking it into consideration.
14	The only thing I'd add is as you think
15	about adding questions, remember that when these
16	assessments are conducted, they're already 90 to
17	120 minutes, sometimes longer, which is a burden
18	on all participants.
19	And so, I know one of the NQF
20	principles is parsimony. So, just bear that in
21	mind, I guess I would ask you, about what's
22	really important, right.

1	And, I don't know, maybe at the end of
2	this you are going to have a ranked order of
3	questions and some new standard assessment that
4	you're proposing, which would be great assuming
5	it's one that is not proprietary.
6	But just bear in mind the burden level
7	that comes from a family caregiver or a
8	participant having to participate in that. And
9	it's a long it's a long session.
10	And then, also, obviously the cost
11	that comes with that from either the fee-for-
12	service side or the managed care side.
13	DR. ABERY: Those are all excellent
14	points. One of the things that we probably
15	should have indicated more clearly is we are
16	working quite closely with the major measurement
17	development programs, several of them, as part of
18	this process.
19	We see ourselves, you know, not
20	developing these any additional measures or
21	refining measures in isolation, but rather
22	working with those groups to help improve those

measures.

1

2	I mean, we do not intend to produce
3	the instrument, that was not the intent of our
4	Center, but to improve measurement quality among
5	all those groups that are, you know, currently
6	using instruments which are widely used across
7	the country.
8	MEMBER POTTER: Hi. This is D.E.B.
9	Potter from ASPE. I guess I was a little
10	confused by your last statement of not developing
11	the instrument.
12	Because when I looked at one of your
13	first slides, you say eventual objective is NQF
14	endorsement. And the only way you can get NQF
15	endorsement is, quote, to have an instrument.
16	DR. ABERY: Well, actually
17	MEMBER POTTER: So, maybe you could
18	expand that a little bit.
19	DR. ABERY: We will not be we will
20	not be asking for NQF endorsement of an
21	instrument.
22	We will be asking for NQF endorsement

www.nealrgross.com

of measures that correspond to the NQF subdomains 1 2 in most cases, as opposed to attempting to develop an instrument such as the NCI, which 3 4 covers multiple domains and multiple subdomains. 5 Our goal is to improve measures. And once those -- that measurement testing is done, 6 you know, we do not see the measure that we 7 8 developed there as proprietary. We are more than 9 willing to share them with all of the measurement 10 organizations that are currently being used by 11 states. 12 So, I think we're basically 13 differentiating between an instrument and 14 measures that together would comprise an 15 instrument. 16 MEMBER POTTER: I guess I would urge 17 you to read the updated NQF requirements for 18 person-reported outcome measures and then consult 19 with the NQF staff on how that would happen given 20 the current endorsement process for person-21 reported outcomes, which is what you're talking about. 22

I	4
1	MS. MUKHERJEE: And, D.E.B. and Brian,
2	I can give a quick sort of update on that. So,
3	NQF does not endorse a tool or a survey.
4	What they are doing is endorsing
5	patient-reported outcome measures based on
6	elements within the survey and within the tool.
7	So, in the past, when surveys first
8	came out, NQF did endorse a survey as a measure,
9	but right now because the field has evolved and
10	moved on, if it's a survey or a tool, we do not
11	endorse it as a measure.
12	What we will do is ask for the
13	development of patient-reported outcome measures,
14	which is taking elements of the tool or the
15	survey and creating performance measures.
16	DR. TICHA: Yes. Thank you. And
17	that's exactly what we are doing. And we do have
18	a number of the members of the NQF committee on
19	RRTC. So, we consult them on a monthly basis.
20	So, but yeah, thank you for that point.
21	MEMBER ROSS: This is Clarke Ross, if
22	I could ask one other question. You say you've

1	been closely consulting with some of the
2	measurement organizations, I assume National
3	Quality Forum and Council on Quality and
4	Leadership on personal outcome measures.
5	They've been reluctant to submit
6	anything to the National Quality Forum, because
7	their philosophy is you cannot pull out one
8	measure from the mosaic of domains that they
9	capture.
10	So, as an advocate, it would be
11	helpful to pull out one measure and have it
12	endorsed, but it runs counter to the philosophy
13	of both NCI and CQL.
14	And so, I'm just trying to get my
15	handle on the utility of your federally-funded
16	project with all the experts saying, "Yeah, we'd
17	like these four measures of 22 endorsed because
18	of their importance and validity and all that
19	stuff."
20	And so, I'm it's more a question
21	I'm just trying to sort this out in my own mind
22	on the utility of recommending unique measures

that the developer themselves say need to be 1 2 viewed in the total context of what they're trying to do. 3 DR. TICHA: Right. And, you know, I 4 5 think we really appreciate that question and that's a question we have been thinking about 6 from the time we wrote the proposal. 7 And I think, you know, Brian already 8 9 indicated that we work very, very closely with 10 the developers of the major assessment programs. 11 And, really, we see our charge as 12 looking at not necessarily the domains/subdomains 13 in isolation. But if we look at the psychometric 14 properties of some of these measure concepts, 15 they essentially have to be looked at in 16 isolation to the point that they constitute a 17 unique and differentiated concept or construct. 18 So, we have to confidently -- we have 19 to be able to measure, for example, you know, social inclusion or choice and decision-making as 20 21 its own entity regardless of how it relates to 22 the others, for example, using factor analysis or

1

using other statistical techniques.

2	So, I think they are not mutually
3	exclusive and we just our charge, really, is
4	to find the best possible questions to measure a
5	measure concept or a construct across different
6	instruments not to say that one is better than
7	the other, it's just how do we conceptualize a
8	measure concept in the best way possible.
9	CO-CHAIR MONSON: Yes. Go ahead.
10	MEMBER POTTER: Hi. This is D.E.B.
11	Potter again. Additional clarification.
12	So, in the end, you might say this
13	is just an example questions 3, 4 and 5 from
14	survey A are the best way to measure community
15	inclusion, but will you also say these other ways
16	are valid?
17	I'm sort of back to the operational if
18	we're going to measure community inclusion from
19	survey A and we're going to measure employment
20	from survey B and we're going to measure X from
21	survey C, no one organization can administer all
22	of those and how do you get it down to something

Neal R. Gross and Co., Inc. Washington DC

that's operational without overburden, or am I 1 2 not understanding your goal? DR. TICHA: So, I think -- I think the 3 way you're asking the question, you are 4 understanding the goal well and I think there are 5 two pieces to this question. 6 7 One is when we conceptualize a measure, it's essentially a theoretical concept 8 or a theoretical construct such as social 9 inclusion, choice and decision-making, and the 10 11 questions that get asked are really secondary, 12 right? 13 They are really -- the goal of asking 14 the best possible questions is to be able to 15 saturate a construct to ask the question in such 16 a way that they are valid, that they really get 17 at that subdomain or that measure concept. 18 And we can only determine that after 19 we have conducted really sound, statistical 20 analysis that include internal consistency, 21 factor analyses and other analyses that 22 differentiate a measure concept and --

1	2.
1	MEMBER POTTER: I buy all of that, but
2	where is question order effect in here?
3	DR. TICHA: Where is what again?
4	Sorry.
5	MEMBER POTTER: Question order effect,
6	i.e., in this survey, the questions are question
7	10, 11, 12, and in this survey, they're questions
8	24, 25 and 26.
9	DR. TICHA: The
10	MEMBER POTTER: Question order effect
11	is a well-known survey research construct that
12	affects the validity and reliability of whatever
13	you're trying to measure.
14	DR. TICHA: Yes. You know, at this
15	point, we are just working with our data from
16	Study 1, really, and then the information from
17	Study 2.
18	Our next step is to we are about 10
19	days or two weeks away from identifying our
20	measure concepts that we'll be piloting.
21	Once we have the measure concept
22	identified, we are going to look at the, you

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

know, 6,000 questions we have coded for across 1 2 the hundred instruments. And we are going to map 3 those onto those measure concepts. 4 And then once we have those, we are 5 going to contact the developers of the instruments that these questions are potentially 6 coming from, or the questions we are going to 7 8 develop if they are missing. And then that's 9 going to be our next step in taking it into the 10 piloting stage. 11 So, we already are in very close 12 contact with the programs that might have some 13 other really good questions. 14 CO-CHAIR MONSON: So, you guys -- you all on the phone can't see us, I know, but you're 15 16 seeing a lot of kind of furrowed brows not 17 because -- everyone is really interested in this 18 and very concerned that you get it right, right, 19 because this is a really important endeavor. So, 20 I think there are people in this room who 21 probably have a lot of value to add. 22 And one thing I encourage you is to

maybe have another forum, because this is -we're going to run out of time soon where, you know, people -- the experts in this room potentially who want to participate can provide you some more insight.

DR. TICHA: And we really value the feedback because, you know, we have a certain approach to this, the way we have written the grant.

We do have an advisory board that some of you -- actually, some of the people who ask questions are on our advisory board, but we would love to get as much feedback as possible especially at this critical stage when we are selecting our measure concepts for piloting.

DR. ABERY: Keep in mind that those first two studies really were to orient us to what is viewed by stakeholders as most important to measure, and what are the things that are not being measured right now.

21 There is a lot of measurement taking 22 place which has little psychometrics to back it

1

2

3

4

5

Neal R. Gross and Co., Inc. Washington DC
up at this point, you know. There are constructs 1 2 that we say we're measuring and they would appear to the typical person to be measures where the 3 necessary research and analysis has not been done 4 to demonstrate that they are valid and that they 5 are reliable. 6 7 And some of those are included in some of the most frequently used measures both 8 9 nationally and within our own state of Minnesota. 10 CO-CHAIR MONSON: So, the one last 11 thing I would say on this, the conversation 12 heretofore has been really focused on patient-13 reported outcomes, which is hugely important, but 14 those are not the only outcomes. To hit all those domains, there are 15 16 other measures and instruments that you'll need 17 beyond patient-reported outcomes; claims-based 18 data, observational data. 19 And so, I guess I would just encourage 20 you all to think about the measure developers 21 that you're working with are great measure developers for patient-reported outcomes, at 22

least the ones you've mentioned like NCI, right? 1 2 They're fantastic, but they may not be the ones that are helpful in figuring out how do 3 we best, you know, figure out the transitions for 4 a nursing facility, net transition number, or how 5 do we think about functional improvement for 6 7 individuals who are receiving these services. So, I would just leave that with you 8 9 as well. 10 DR. TICHA: Yes. Yes. Thank you. 11 And we would encourage all of you to, please, get 12 in touch with us with any comments or 13 suggestions. 14 We are also open to doing another forum like this. We have compiled a -- more of 15 16 an interactive framework for feedback for the 17 stage that we are at. 18 So, we would be -- our colleagues who 19 work with us as project coordinators would be happy to schedule something like this to go into 20 21 more depth. So, thank you again. Great. 22 CO-CHAIR MONSON: Was there

more that you guys -- we've kind of hijacked the 1 2 conversation, but was there more material that you wanted to cover? 3 4 DR. ABERY: Well, there was quite a 5 bit more material, but we don't realize how much time you have. 6 7 So, if you could kind of direct us as 8 to how much additional time we might have, we can 9 quickly go through kind of the meat of the RRTC's 10 proposed work over the next four years or so. 11 CO-CHAIR MONSON: We've probably got 12 another 20-25 minutes that we can keep going. 13 DR. ABERY: Okay. So, we can probably 14 give you a pretty quick summary of what we are planning to do in Studies 3, 4, 5 and 6. 15 16 Study 3 is just starting. Study 4 and 17 5 will be starting with -- Study 4 in the next 18 few months. 19 So, Study 3 basically is focusing --20 if we can have movement to the next slide -- on 21 identifying existing outcome measurement programs in which NQF-related HCBS outcome measures are 22

being implemented and then to conduct a series of 1 2 case studies to take a look at the quality of those measurement approaches and programs. 3 So, essentially, the idea behind this 4 5 study is to take a look at the fidelity of administration and implementation of these 6 7 measurement programs via the major players/organizations that are doing HCBS outcome 8 9 measurement across the states. Next slide. 10 And essentially what we're going to be hoping to identify are the 11 12 components that need to be in place to ensure 13 that there's a high degree of administration 14 fidelity, we're going to be identifying the strengths and challenges of the various 15 16 approaches that measurement programs are 17 currently taking, similarities and differences, 18 and really looking at the factors that either 19 facilitate or serve as barriers to effective 20 implementation of the programs. 21 So, this is a qualitative study. Our 22 only real qualitative study of the Research and

i	22
1	Training Center is being PI'd by Dr. Amy Hewitt
2	from our center. And that is a study which is
3	starting within the next few weeks with some work
4	with the people from CQL.
5	So, we'll be looking at
6	instrumentation, sample and recruitment, you
7	know, across a number of different sites.
8	Study 4, and if we can move ahead with
9	a couple of the slides and get to Study 4, is
10	where after we select, based upon the gap
11	analysis, those areas in which we feel that there
12	is the greatest need for further measure
13	development.
14	We will be working with several
15	technical expert panels and with our colleagues
16	from Temple University, UCSF, and The Ohio State
17	University to either refine existing measures or
18	to develop new measures and then to go through a
19	development and testing process using the CMS
20	criteria as we go through the process.
21	And I think there are a couple of
22	slides which just look at the measure life cycle

I

which had been incorporated into the process that we will be using.

So, if we can move ahead to Slide 56, 3 which focuses on measure evaluation criteria, we 4 will be looking at all of these in selecting the 5 measures that we will be working to either newly 6 7 develop or refine focusing on importance, 8 feasibility, usability, harmonization, and of 9 course scientific acceptability. 10 So, if you look at the next slide, 11 that really is the focus of kind of the pilot 12 study which is done in Study 4 which will be 13 looking at inter-rater, test-retest and internal 14 consistency, reliability and a number of aspects of validity. 15 16 Next slide, please. As part of this 17 iterative process, we will be, again, 18 prioritizing measures to develop based upon the 19 combination of stakeholder input from Study 1. 20 Those areas that currently are not 21 being measured or not being measured well where 22 there isn't adequate saturation of the concepts

> Neal R. Gross and Co., Inc. Washington DC

1

2

will be our focus. 1 2 We will then be bringing together both among our research team members and technical 3 4 expert panels, a group of individuals to work on 5 this. We are addressing the need for proxy 6 7 reports and minimizing the burden to the 8 individuals who we are requesting information 9 from. And then, again, we'll be looking at 10 11 going through a process where we have kind of 12 expert content review, cognitive testing and doing a relatively small, n=100 pilot study. 13 14 One of the things that we are really 15 keen to do is the cognitive testing to ensure 16 that since we are trying to develop measures that 17 cut across groups, that the different groups are 18 interpreting the questions that we are asking in 19 order to get information, collect data so that we 20 can have measures, or actually interpreting the 21 questions in the same manner and in the manner

22 that we intend.

I	22
1	That piece has really been absent from
2	a lot of the work that has been done in this
3	area.
4	Again, the next slide, if we move on
5	to it, just gives you kind of an indication of
6	what we'll be doing in the pilot study,
7	identifying issues or concerns with
8	administration and scoring, determining the
9	acceptability of measures and the acceptability
10	of measures to the recipients, obtain feedback on
11	the response formats and wordings, and then
12	determining the extent to which there's
13	variability within between items and within
14	measures.
15	Renata, you want to talk quickly about
16	Study 5, which is our large-scale study?
17	DR. TICHA: Yeah. So, Study 5 is just
18	the logical progression in this whole process
19	toward NQF endorsement.
20	After in Study 4, we have piloted some
21	of the really promising measure concepts based on
22	the NQF framework. We will then work with those

measure concepts a little bit more to refine 1 2 them, to add some, perhaps. And then in Study 5, it's our large-3 scale study, hopefully a national study, that we 4 5 will then test those concepts on a thousand participants across all of the different 6 7 visibility groups. 8 And so, we are currently in the 9 process of recruiting sites. So, if there are any interested sites across the country who would 10 11 like to work with us in the testing study that 12 will start in about a year, we would very much be interested in that and will be looking at those 13 14 psychometric properties that are listed on the 15 slide; reliability, validity, item 16 discrimination, sensitivity to change, but we will also cover some of the more basic criteria 17 18 for feasibility, usability, importance and all of 19 the CMS criteria that they have. And we already will of course be 20 21 working with some of the big programs like NCI, COL, but we would love to work with any sites 22

that are interested for that big study. 1 2 The data collection from Study 5 will be longitudinal to look at some of the 3 4 sensitivity to change of some of those concepts 5 and would like, as I said, would like to collaborate. And we do have some funds built 6 into the grants for the collaboration. 7 And just briefly and in the rest of 8 9 the time that we have, Study 6 is already underway. It is a study that has been reviewing 10 different risk adjuster variables from studies 11 12 across the different populations, identifying the 13 most promising risk adjusters across the NQF 14 outcomes. And we will be including some of the 15 16 risk adjusters that we have identified over the 17 last six months or so into the pilot study, but 18 also into Study 5 to test alongside the measures 19 of the outcome so we can look at potentially also 20 at some of the relationships. 21 And, again, if you have any ideas or any input into risk adjusters, we would be happy 22

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

to share more detail about the study. We are 1 2 currently working on a manuscript of the Study 6 So, that's where we are with that. 3 results. And let me just -- I'm sorry, I'm 4 5 skipping a little bit here, but on one of the slide that's titled "Coding Progress," you can 6 7 see that as of about ten days ago, we have been 8 able to code almost a thousand different 9 variables from about 60 studies. And you can see the breakdown by systems and by individual 10 levels. 11 12 And of those, we have identified about 13 42 promising risk adjusters that will be then 14 narrowing down for the testing phases. And on the following slide, there are 15 16 some examples of the categories of risk adjusters 17 that cover functional disability, chronic 18 conditions and risky behavior. So, those are the 19 ones that are appearing more frequently. 20 MEMBER ROSS: Excuse me. This is 21 Clarke Ross again. So, a lot of folks in the health policy arena and the National Quality 22

Forum have been trying to get away from a 1 2 diagnosis as a risk category, because, you know, there are hundreds of chronic illnesses that are 3 4 debilitating -- potentially debilitating. So, how are you building diabetes, 5 cancer and epilepsy and all the forms of cancer 6 as a risk adjuster? 7 8 So, maybe I should DR. TICHA: Yeah. 9 just give a little bit of a context. So, this initial stage of our Study 6 on risk adjusters 10 11 has been very broad. 12 We have cast a very, very broad net to 13 really provide interested audiences with what has 14 been done so far in the field of risk adjusters with these populations. 15 16 So, some of the ones we have got on 17 the slide here that you are referring to, are 18 just to say that they have been studied and 19 included in the past, but it's not necessarily something they'll be considering to include in 20 21 relation to the NQF framework. CO-CHAIR MONSON: So, this is Michael 22

	∠
1	Monson. Again, I would just say, also, on the
2	functional disability, that is going to be very
3	dependent on having a standard set of
4	observational questions.
5	DR. TICHA: Uh-huh.
6	CO-CHAIR MONSON: I would encourage
7	you to look at the work that's happened in New
8	York and Wisconsin around functional-based risk
9	assessment for rate setting on the managed LTSS
10	side, because they've actually done a lot of good
11	work there.
12	DR. TICHA: Uh-huh.
13	CO-CHAIR MONSON: But it is going to
14	that if you're going to use that and it
15	should be used as a risk adjuster, but it will
16	require us to have standard elements across every
17	assessment to be able to do that.
18	DR. TICHA: Yeah. You're absolutely
19	correct. And if you have a specific reference
20	that we should look at, please share it with us.
21	CO-CHAIR MONSON: The we will.
22	DR. TICHA: Okay. Thank you.

1	Yeah. So, again, so these the ones
2	that we put on the slide are just some of the
3	ones we have seen as reoccurring across the
4	studies that we have reviewed. And that goes
5	back to the current take-aways.
6	We did find that most of the risk
7	adjusters across the studies were not well-
8	matched to the HCBS outcomes. And there's a
9	strong tendency to focus on the personal
10	characteristics of the recipients. And there are
11	many newer risk adjusters that have been studied
12	well that are at a systems and the organizational
13	level.
14	And so, we'll be making a big effort
15	to get input from our from stakeholders from
16	our advisory board and our leadership team on
17	which variables to actually include in our pilot
18	in our big study for risk adjustment.
19	So, our next steps will be to
20	prioritize risk adjusters in a similar way we are
21	doing with the measures of the outcomes based on
22	CMS criteria; importance, feasibility and

usability and looking at the magnitude of effects in the previous studies. And then linking the risk adjusters to the outcomes that we actually will be testing and piloting so that we don't have risk adjusters that don't relate well to the outcomes. And we are kind of parsimonious about examining all those variables.

8 But, you know, as has become clear 9 through this webinar, but from your comments it's 10 critical that we engage as many stakeholders as 11 possible, and we very much appreciate your input 12 into this work so that we make it as applicable 13 and relevant to all the groups that we need to 14 work with.

So, if there is anybody 15 DR. ABERY: 16 out there in the audience who would be interested 17 in participating in the technical assistance 18 panels that we will be putting together over the 19 next, well, several months and years, you know, 20 you can contact either Renata or me or Amy 21 Hewitt, who serves as co-director, or we can work 22 through our colleagues at NIDILRR, Amanda

Reichard is our project officer, to make those 1 2 connections, because we do want as much community input as Renata has suggested, as possible. 3 CO-CHAIR MONSON: Great. And NOF 4 5 staff will send out their email addresses to everybody so that we can be in touch with them. 6 7 Yes, D.E.B. Hi. This is D.E.B. 8 MEMBER POTTER: 9 Thank you so much for this presentation. again. This is the third time I've heard variations on 10 this presentation, and every time it's richer and 11 I have a better understanding of all of the 12 13 moving parts. 14 One thing I still don't have a good handle on is what is the accountable entity? 15 Who 16 are you holding accountable for the performance 17 of the quality metric? 18 So, there's measures that hold health 19 plans accountable, measures that hold hospitals 20 accountable, measures that hold programs or 21 states accountable. If you could speak a little bit to the 22

accountable entity, because as you pointed out in 1 2 one of your slides, one of the criterias of importance is a performance gap. And the 3 4 performance gap is between the accountable 5 entities. So, if all the accountable entities 6 measure at 99 percent or 70 percent, it's not 7 8 differentiating and helping you to improve. 9 So, if you could speak to that, that 10 would be helpful. 11 DR. TICHA: Yes. Thank you very much 12 for the question. I think there are a couple 13 pieces to that. 14 So, when we were charged with the 15 Center, one of the initial -- one of the major, 16 initial pieces was a focus on developing measures 17 that were psychometrically sound and important. 18 And so, we -- our first -- we have not 19 even reached our second year of the Center. We 20 have been really focused on developing measure 21 concepts that will stand the test of psychometric 22 rigor.

233

	Z.
1	Then after we have established some of
2	that, then I think we are going to more closely
3	look at the differing accountability frameworks.
4	You alluded to the high percentages of
5	agreement between the different NQF domain and
6	the ratings. I think that is that is
7	important to consider.
8	However, we in addition to the
9	quantitative data that you saw up there, we have
10	a very, very rich data set of qualitative data
11	that provides really good information on
12	differentiation among those domains and
13	subdomains, and also that introduce additional
14	subdomains and domains to the framework.
15	And so, I know I'm not quite answering
16	your question, but I think we are sort of in
17	early stages of the Center and that we'll provide
18	initial information within the next, I would say,
19	three to six months.
20	DR. ABERY: Also, to build off what
21	Renata was saying, you know, in the FAL that was
22	issued by NIDILRR, it was made clear that the

measurement work that the Center was to do, you 1 2 know, was to kind of cut across a variety of different entities that are responsible for the 3 quality of home and community-based services 4 ranging from provider organizations to states. 5 And so, we're looking at our work in 6 7 that way and currently we're doing a fairly large 8 amount of work with the state of Minnesota in 9 helping them to improve the quality of their measurement in an area working with three 10 11 different regions of the state and have come up 12 with over in about a year period of time, what we 13 believe is an approach that will get at, you 14 know, both the standard -- based upon the standard questions, survey questions asked of 15 16 individuals, but also will allow the state to 17 dive deeper into the extent to which the supports 18 people are being provided with are truly person-19 centered and the degree to which they are 20 actually able to achieve some of the life 21 outcomes that they desire.

22

So, on responsible entities, it is

going to be -- or our goal is to cut across the 1 2 different entities. And, again, we are attempting to do this in a way which is 3 4 consistent with the NOF framework, but also is 5 going to build upon it. CO-CHAIR MONSON: Well, thank you all 6 very much for sharing that with us today. As you 7 8 can see, this is a group that's very interested 9 in this topic and is -- I know many individuals in this room will be very eager to continue to be 10 11 engaged with you outside of the role here on the 12 MAP Committee. 13 It's exciting work that you're doing, 14 it's important work. And so, we thank you for what you're doing and for taking the time to 15 16 speak with us today. 17 DR. ABERY: Thank you very much. 18 DR. TICHA: Thank you. 19 CO-CHAIR MONSON: All right. And so, 20 we're going to take, I'm going to say, a ten-21 minute break, because we're running a little behind schedule. So, back here at 2:35 Eastern. 22

1	(Whereupon, the above-entitled matter
2	went off the record at 2:25 p.m. and resumed at
3	2:35 p.m.)
4	MS. BUCHANAN: Hi, all. Thank you
5	very much and welcome back. So, we wanted to
6	make a quick announcement.
7	We originally had on the schedule,
8	voting for inclusion both in the family and the
9	starter set on the CAHPS measure. What we are
10	going to do is we are going to send that via
11	SurveyMonkey tomorrow so people can vote on it,
12	because we don't want to lose quorum and we do
13	want to hear this presentation first. So, just
14	an FYI to keep a lookout for us asking for a
15	vote.
16	And other than that, that we'll have
17	just the
18	MEMBER POTTER: How will we find out
19	the results?
20	MS. BUCHANAN: Yes. So, they will be
21	emailed through communication. And then, so, if
22	we are going to take away the voting for the

measure, we also will be talking, though, about 1 2 the strategic direction for the duals population. And then we'll open it up for member and public 3 comment. And then we'll adjourn for the day. 4 But prior to that, we are very lucky 5 to have Dr. Kerry Lida, who is the team lead for 6 7 the testing experience and functional tools demonstration within CMS, and the TEFT 8 9 demonstration is within the Disabled and Elderly Health Programs Group, Division of Community 10 11 Systems Transformation. 12 She is also joined by Elizabeth 13 Frentzel, who is a principal research scientist 14 at the American Institutes for Research, with almost 20 years of experience in developing CAHPS 15 16 surveys, including the HCBS CAHPS, Medicaid 17 CAHPS, home health CAHPS, nursing home family 18 CAHPS and cancer CAHPS pilot version. 19 We also have Coretta Mallery, who is 20 the principal research scientist at AIR and have 21 over five years of experience doing CAHPS survey 22 data analysis. She was the analytic lead for the

HCBS CAHPS survey and related measures. 1 2 And then last, but not least, we have Susan Raetzman, who is the director at Truven 3 4 Health Analytics and the current TEFT TA lead for 5 the Experience of Care component under which the HCBS CAHPS survey and related measures were 6 7 developed. And with that, I will turn it over to 8 9 you all. Just let us know when you want us to move the slides. 10 Thank you. 11 DR. LIDA: Wonderful. Thank you for 12 inviting us to talk with you today about the 13 CAHPS Home and Community-Based Services Survey 14 and related measures that were endorsed by NOF. My name is Kerry Lida and I am 15 16 delighted to be sharing this area of work with 17 you and very happy that we have expert colleagues 18 on the line with us, including Susan Raetzman, 19 Elizabeth Frentzel and Coretta Mallery. 20 If you could advance to the next 21 slide, please. Today we'd like to cover the 22 following topics; development of the survey,

including the need for a CAHPS survey for home and community-based services, HCBS; key features of the HCBS CAHPS survey; National Quality Forumendorsed measures derived from the survey; state use of the survey and some of the resources that are available for use.

Next slide, please. And briefly in
the next few slides, we'll be giving an overview
-- a very brief overview of the development of
the survey. And then we will walk through some
examples which we believe will be of interest to
this meeting today.

Next slide, please. Before we do
that, let's talk about why a CAHPS survey
focusing on the HCBS setting is important.

Historically, Medicaid systems for people who needed long-term services and support, LTSS, had an institutional bias in that services overwhelmingly were provided in institutional settings such as nursing facilities, long-term care hospitals and intermediate care facilities for persons with intellectual and developmental

> Neal R. Gross and Co., Inc. Washington DC

1

2

3

4

5

6

1	disabilities.
2	However, the percentage of Medicaid
3	LTSS expenditures for HCBS has grown since the
4	early 1980s.
5	By the late 1980s 1990s, HCBS
6	accounted for more than 25 percent of the 70
7	billion spent on Medicaid long-term services and
8	supports.
9	And by fiscal year 2014 for the first
10	time, over half of Medicaid's LTSS dollars, 53
11	percent, was spent on community-based supports.
12	With such a large portion of LTSS
13	provided in the community, it is imperative that
14	there be mechanisms for ensuring the quality of
15	care delivered in those settings.
16	Next slide, please. The entire
17	development and testing process beginning in
18	2010, was funded by CMS under two projects. the
19	most recent is the demonstration grant for
20	testing, experience and functional assessment
21	tools, TEFT, in community-based long-term
22	services and supports. Prior to that, it was the

1	National Quality Enterprise, the NQE grant.
2	There are four test components. And
3	each component has different activities and time
4	lines which you will see in front of you.
5	In the upper left quadrant is the
6	Experience of Care Survey component under which
7	test grantees and researchers from Truven Health
8	and the American Institutes for Research test and
9	survey, which contributed substantially to
10	submissions to CAHPS and NQF.
11	The other three quadrants we will not
12	be discussing, but they are available on
13	medicaid.gov if you are interested in further
14	and those include the functional assessment
15	standardized items, the eLTSS plan standard in
16	collaboration with ONC and the Personal Health
17	Record.
18	Next slide, please. Test grantees
19	participated in the pilot and field tests that
20	were conducted to test for reliability and the
21	validity of the instrument and measures derived
22	from it.

I	24
1	This table shows that beneficiaries
2	from up to four HCBS programs in each of the ten
3	test states were surveyed in the pilot and field
4	tests.
5	Individuals and Medicaid HCBS programs
6	in Louisiana and Tennessee participated in the
7	pilot test between October 2013 and October
8	April 2014.
9	Field testing took place in Louisiana,
10	New Hampshire, Connecticut, Maryland, Minnesota,
11	Colorado, Arizona, Kentucky and Georgia between
12	July 2014 and February 2015.
13	Next slide, please. As noted earlier,
14	the HCBS CAHPS survey felt a critical need in
15	LTSS quality assurance because it focuses on
16	Medicaid, HCBS beneficiary-experienced outcomes
17	and quality of life as the result of receiving
18	services and supports.
19	What distinguishes it from other HCBS
20	surveys is that it was designed to be completed
21	by the broad range of beneficiaries through the
22	Medicaid HCBS programs, including individuals who

are frail/elderly, individuals with a physical 1 2 disability, individuals with an intellectual or developmental disability, individuals with brain 3 injury and individuals with serious mental 4 illness. 5 Next slide, please. 6 This is a very 7 brief summary of approximately six years of work 8 and we have a team who will be available to 9 answer questions you have in any of these areas. The development team follows the CAHPS 10 11 survey development process, a rigorous and 12 beneficiary-involved process. It is also well-13 known and highly regarded by developers of 14 experience of care surveys. This diagram outlines the three major 15 16 phases of the development process. The process 17 of developing and testing the survey instruments 18 began at the formative research stage to identify 19 key domains and constructs. Then the team 20 drafted the survey. 21 In Phase 2, survey development 22 continued with multiple iterations of cognitive

testing of the draft survey instrument in both
 English and Spanish.

Once the items were refined, the survey was pilot and field tested on over 3200 individuals in 10 states and 26 HCBS programs using both fee-for-service and managed long-term services and supports.

In Phase 3, pilot and field test data 8 9 were analyzed to determine which items worked or did not work allowing the survey to be finalized. 10 11 The survey instrument receives the 12 CAHPS trademark in June 2016. NOF endorsement of the related measures occurred in October 2016. 13 14 Survey and measure maintenance activities 15 continue from those points in time.

And it is -- as noted in the beginning of this slide, we mentioned the high level of integration and input that we sought from individuals who are participating in this. And it's very unique and it's a very critical survey in this regard and we're happy to speak more about this.

1 Let me hand the presentation now off 2 to Elizabeth Frentzel from AIR, who will continue. Thank you. 3 4 DR. ROILAND: Operator, is Elizabeth 5 Frentzel on the line? Operator? THE OPERATOR: I do not see her 6 connect-in. 7 8 DR. ROILAND: All right. Apologies, 9 Kerry. We seem to have lost Elizabeth. Just one 10 moment, please. 11 DR. LIDA: Okay. 12 (Pause.) 13 DR. ROILAND: Elizabeth, if you are 14 logged into the webinar platform - we did have 15 you noted as calling in earlier, but you may have 16 dropped off accidentally. If you could call back 17 in, that would be great. 18 (No response.) 19 DR. ROILAND: Kerry, is there another section of the presentation we could -- I know 20 21 this is probably an important part of the 22 presentation.

1 Do you just want us to wait for 2 Elizabeth to try to get her back on? 3 (No response.) 4 DR. ROILAND: Kerry? 5 (No response.) DR. ROILAND: Operator, are you still 6 7 there? 8 (Laughter.) 9 CO-CHAIR MONSON: I'm waiting for 10 someone to say --11 DR. ROILAND: Hello? All right. Just 12 stand by, please. We're having some technical 13 difficulties. 14 (Pause.) 15 DR. ROILAND: All right. Operator, 16 can you hear me now? 17 (No response.) 18 DR. ROILAND: Operator, we can't hear 19 you, if you can hear me, just so you know. 20 (Pause.) DR. ROILAND: Hi, all. I don't know 21 22 if you can hear us, but we are having technical

difficulties. 1 So, just, if you give us one 2 minute, we will hopefully get this remedied. This is just the time we 3 MS. JUNG: 4 would have waited for the, you know, clickers to 5 So, we're just moving it around. work. Kerry, this is Rachel 6 DR. ROILAND: 7 with NQF, we can hear you now. I apologize, I 8 don't know what happened there for a moment. Just give us one second while we get 9 10 reset here. 11 MS. FRENTZEL: Great, thank you. DR. ROILAND: All right, Elizabeth, 12 13 are you on now? 14 Yes, I am. MS. FRENTZEL: DR. ROILAND: All right, thank you. 15 16 I really apologize about that, but the floor is 17 yours now. And, you can just let us know when 18 you want to advance the slides by just letting us 19 know next slide. 20 MS. FRENTZEL: Thank you. 21 So, next slide? 22 So, the survey is intended to, in

reports about a particular HCBS program's 1 2 performance, these are the beneficiary-reported experiences. 3 The unit of analysis is either the 4 5 HCBS program or the accountable entity. An accountable entity is the operating 6 entity responsible for managing and overseeing a 7 8 specific HCBS program within a given state. For 9 example, a managed care organization. 10 The HCBS CAHPS survey was developed so 11 that the comparisons about the quality of services and support can be made across programs 12 13 or between managed care organizations or other 14 subgroups. Next slide, please? 15 16 The development process identified the 17 home and community based services and supports 18 and providers that would be appropriate for 19 beneficiary input across the disability and HCBS 20 program spectrum. 21 The services and providers listed on this slide are those that are common across 22

Medicaid HCBS programs with one exception. 1 2 Although employment assistance services are not offered across all programs, the TEP, or 3 Technical Expert Panel, encouraged the inclusion 4 of items on these services because they are so 5 vitally important for full community 6 participation, especially for working aged-adults 7 8 served in HCBS programs. 9 Next slide, please? As a result of the pilot and field 10 test analyses, as well as feedback from the TEP -11 12 - I'm sorry, I think this was -- is this the 13 slide? 14 So, as a result of the pilot and field test analyses as well as feedback from the TEP 15 16 and CAHPS consortium, the finalized survey 17 includes the items and measures depicted on this 18 slide. 19 First is a set of three cognitive 20 screening items that help identify individuals 21 who may or may not be able to provide reliable information. 22

250

1	These individuals may assent to having
2	a proxy respond to the survey.
3	Next, survey identification items and
4	screening items ensure that the beneficiary
5	answers only questions about the services that
6	they receive.
7	Because not every beneficiary answers
8	all questions, the average survey administration
9	time is 30 minutes.
10	There are 34 items that make up
11	composite measures that will be described later
12	in this presentation.
13	Stakeholders deemed some single item
14	measures as important to retain even though they
15	did not fit into a composite. These include a
16	series of questions that assess a person's unmet
17	needs and physical safety.
18	Six global rating and recommendation
19	items provide information on the person's overall
20	experience with the three main types of staff.
21	There are 15 items that collect
22	demographic information, some of which are used

1	for case mix adjustment.
2	And, finally, a 21 item supplementary
3	employment module is an option for programs that
4	provide employment services.
5	Next slide, please?
6	Now we provide more detailed
7	information about the survey and beneficiaries
8	with cognitive challenges.
9	The survey was designed including
10	question wording and response sets to be
11	accessible to as many HCBS beneficiaries as
12	possible.
13	However, it's also important that
14	those using the results of the survey have
15	confidence in those results.
16	And, for this reason, the survey
17	starts with a three cognitive screening questions
18	shown on this slide. If all three questions are
19	answered in a meaningful way, the interviewer
20	continues to administer the remainder of the
21	survey.
22	If the three questions are not
answered appropriately, it is an indication to 1 2 stop the interview and inquire about a potential proxy respondent. 3 Next slide, please? 4 Here, we provide more information 5 about the survey's incorporation of program and 6 7 provider-specific terms. 8 On the basis of the formative 9 research, we knew that there were very few uniform naming conventions for providers across 10 11 programs in terms that individuals used in referring to their providers. 12 13 Thus, the survey was designed so that 14 sponsors can incorporate program-specific terms 15 for categories of staff and provider-specific terms for individual staff. 16 17 The preferred terms can be used 18 throughout the survey. You can see the 19 bracketed, italicized text that alerts the person administering the survey to administer -- to 20 21 insert program-specific term for these types of staff. 22

1	Next slide, please?
2	Now we provide information about
3	another survey feature aimed at increasing
4	beneficiary participation. On the basis of
5	findings from the cognitive testing as well as an
6	experiment conducted as part of the field test, a
7	simplified response option was determined to be
8	accessible for some individuals.
9	Using both response modes allows for
10	more people to participate in the survey,
11	including individuals with intellectual or
12	developmental disabilities.
13	This slide shows the alternate
14	response approach in the survey itself. The
15	interviewer starts with a standard CAHPS response
16	option of never, sometimes, usually or always.
17	If the respondent has difficulty using
18	that question and response format to answer, the
19	interviewer then asks the alternate version.
20	The interviewer does this three times,
21	and if the respondent prefers the alternate
22	version, the interviewer then uses only the

1	n en
1	alternate version for the rest of the survey.
2	Next slide, please?
3	The HCBS CAHPS survey asks about
4	several categories of HCBS services, some of
5	which respondents do not receive.
6	To help interviewers ask only the
7	relevant questions, the instrument was developed
8	with skip patterns imbedded throughout.
9	The survey also was developed with
10	addition skips related to screener questions.
11	This helped to ensure that specific experiences
12	could be identified on which programs would be
13	able to act.
14	In the examples shown on this slide,
15	there is a set of questions focused on whether
16	the individual goes without help in bathing or
17	getting dressed because personal assistance staff
18	are not there to help.
19	The first screener question in the
20	series asks whether the person needs help from
21	the personal assistance staff to bathe, shower or
22	get dressed. If the person says no, in other

words, that he or she has no need for help, the 1 2 interviewer is instructed to skip the next three items and move on to an item on personal privacy. 3 If the interviewer -- if the 4 5 beneficiary says yes to the screener question about needing help, then up to two additional 6 follow up questions are asked to elicit 7 8 information on an unmet need. 9 Next slide, please? 10 Because survey response rates are an 11 important issue, we want to share with you the 12 pilot and field test results. 13 The overall response rate was about 22 14 percent with the highest response rate, over 30 percent among participants of programs serving 15 16 individuals who are frail elderly and individuals 17 with a physical disability. 18 The lowest response rate, about 10 19 percent, was among participants of programs serving individuals with an intellectual or 20 21 developmental disability. 22 In addition, in the pilot and field

tests, participants of different programs 1 2 preferred different modes. Next slide, please? 3 4 Although the HCBS CAHPS survey was 5 intentionally designed to be as accessible as possible, survey vendors indicated that guardians 6 7 could act as gatekeepers by refusing on behalf of 8 the beneficiary or wanting to be their proxy. 9 Survey vendors also reported that other individuals in the person's life were 10 11 willing to respond to the survey as proxy 12 respondents. 13 Thus, part way through the field test, 14 we began allowing proxy responses. For the purposes of the pilot and the 15 field tests, a proxy respondent refers to any 16 17 help that the respondent received in completing 18 the survey. 19 This ranged from answering all 20 questions for the respondent to providing 21 prompts, translation or help with communication 22 technology.

1 This table presents numbers and 2 percentages of proxies for each HCBS population represented in the pilot and field tests. 3 4 As you can see, across the board, 5 proxies were used to some extent and there was substantial variation and use by population and 6 7 by state. 8 These results are likely an 9 underestimate of proxy respondent participation had they been allowed throughout the entire data 10 11 collection period. 12 Next slide, please? 13 Going forward, proxy respondents are 14 being allowed by CMS for administration of the 15 HCBS CAHPS survey. This flexibility has a few 16 implications for survey sponsors. 17 For example, it's up the sponsoring 18 entity to decide whether to use proxies and which 19 proxies to include. 20 There are certain qualities that make 21 an individual more likely to be a good proxy respondent. 22

258

I	ے ا
1	If a proxy respondent is being used,
2	the IRB may require that the assent of the
3	beneficiary as well as the consent of the proxy
4	be obtained and documented.
5	If proxies are used sponsoring
6	entities introductory script for reaching out to
7	the beneficiaries will need to allow for talking
8	with proxies. This script should reflect
9	decisions that the sponsor makes about which
10	proxies to include.
11	While fielding the survey, sponsors
12	may want to monitor the percentage of surveys
13	that are completed by the proxies.
14	Finally, the data analyses should
15	adjust for the use of proxies.
16	Next slide, please?
17	Once an interview has been completed,
18	there are a few interviewer questions that ask
19	about proxy respondents. The questions shown on
20	this slide are used in the HCBS CAHPS survey to
21	distinguish HCBS (a) beneficiaries who were not
22	helped in completing the survey from either

beneficiaries who received assistance from 1 2 another person in completing the survey; or, (b) beneficiaries whose survey was completed by 3 4 someone responding on their behalf. 5 And, now, this goes over to Coretta. 6 DR. MALLERY: Great, thanks, 7 Elizabeth. 8 Next slide, please? 9 So, I'm going to give you a brief overview of the NQF endorsed measures derived 10 11 from the HCBS CAHPS survey. 12 So, next slide, please? 13 Okay, so the HCBS CAHPS survey items 14 provide information about specific domains of the 15 HCBS experience. 16 The HCBS CAHPS survey has 34 items 17 that support seven scale measures and 12 items 18 that support single item measures from the 19 domains shown here. 20 So, this slide gives a nice overview of our scale measures and the different domains. 21 22 After the composites were identified

in the analyses, the developer team went back to 1 2 a group of beneficiaries and talked with them about the best labels of each of the composites. 3 So, this slide reflects these labels 4 for the final set of composites. 5 The next several slides describe each 6 7 scale measure and the survey items that make up each of them as well as the single-item measures. 8 9 And, each of these are NQF endorsed measures. Okay, so, this slide shows the first 10 composite, staff are reliable and helpful. 11 There 12 are six items that pertain to the personal care attendant, behavioral health staff and/or the 13 14 homemaker. These include whether staff come to 15 16 work on time, whether staff work is done when 17 they're supposed to and how long staff makes sure 18 beneficiary has enough privacy when bathing and 19 dressing. 20 Next slide, please? 21 Okay, so the next composite, staff listen and communicate well has 11 items. 22

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

1	4
1	These items focus on aspects of
2	service and support such as how often staff show
3	courtesy and respect and how often staff listen
4	carefully to the beneficiary.
5	And, I'm just giving a brief overview
6	because you all can will have access to the
7	slides and can see each item in each measure.
8	Next slide, please?
9	Okay, so the next measures, case
10	manager is helpful, so, this slide shows the
11	first three items in this composite, addresses
12	things such as whether the case manager works
13	with beneficiary when he or she asks for help
14	with getting changes to services and a few other
15	constructs.
16	Next slide, please?
17	Okay, so, this slide shows that the
18	composite, choosing the services that matter to
19	you consist of items on whether the person's
20	service plan includes things that are important
21	to the beneficiary, whether the staff know what's
22	in the person's service plan, including the

things that are important to the beneficiary. 1 2 Next slide, please? This slide shows that transportation 3 4 to medical appointments composite consist of 5 items about how often the beneficiary has transportation to medical appointments, whether 6 the beneficiary is able to get in and out of the 7 8 ride easily and how often this ride arrives on 9 time. Next slide, please? 10 So, there are three items in the 11 12 personal safety and respect composite that ask 13 the beneficiary about whether there is a person 14 with whom they can talk if someone hurts them or does something to them that they do not like, 15 16 whether any staff takes the beneficiary's money 17 or their possessions without first asking, 18 whether they have staff that yell, swear or curse 19 at them. 20 Next slide, please? 21 Okay, so, this slide shows the 22 composite, planning your time and activity. And,

1	this is a community integration measure that asks
2	about how often the beneficiary gets together
3	with family members or friends who live nearby if
4	they want to do so, how often the beneficiary
5	does things in the community that he or she likes
6	when he or she wants to do and similar
7	constructs.
8	Next slide, please?
9	Okay, so, in addition to the seven
10	composite measures, there are global ratings,
11	measures and three recommendation measures that
12	are supported by the HCBS CAHPS survey.
13	Both the global ratings and
14	recommendations are specific to three different
15	types of service providers shown here, so
16	personal assistant, behavioral health staff,
17	homemakers and case managers.
18	Next slide, please?
19	So, in our psychometric analyses,
20	there were 13 items that were not part of a
21	composite that the Technical Expert Panel felt
22	that should that were important enough to be

retained in the survey as standalone items that 1 2 were then, we put forward a standalone measures. This slide shows a subset of these 3 4 that were submitted to NOF and endorsed. So, these include measures that address unmet needs 5 and physical safety. 6 7 Okay, now, Susan Raetzman will be talking about potential uses of the survey. 8 9 MS. RAETZMAN: Thank you, Coretta. 10 Next slide, please? 11 MEMBER ZLOTNIK: Yes, can I just ask 12 a question before you go on? 13 Related to the global ratings related 14 to workforce issues, I had a question about survey item 35, global rating of personal 15 16 assistants and behavior health staff. 17 Those two things sound very different 18 to me, unless you are just talking specifically 19 about kind of more like residential staff that 20 might be in a behavioral health setting. The behavioral staff could be 21 22 everything from a psychiatrist to someone who is

1 a group home staff person. 2 So, I don't -- that's a very big area. So, is there a definition of it? 3 DR. MALLERY: Yes, so, Elizabeth, I'm 4 not sure if there might be --5 Yes, I can answer it. 6 MS. FRENTZEL: 7 It's the behavioral health staff and 8 these are the people who are providing services 9 So, they might be, for example, queuing in home. an individual to help them know the next 10 behavior. It's not -- it would not include 11 12 psychiatrists or anyone highly clinical. 13 MEMBER PARKER: But, how would the --14 hi, this is Pam Parker on the Committee -- how would the person know what you're talking about? 15 16 MS. FRENTZEL: In the initial --17 there's an initial set of questions on providers 18 and they provide definitions there. 19 Well, I'd just say, MEMBER PARKER: 20 within my experience, I had the same question 21 about case manager, because there are multiple 22 levels of case management in these programs and

I'm not sure which one the person thinks we would be talking about.

3	And, we've used, actually, in
4	Minnesota, in the CAHPS at the state level for
5	other programs, the part of the Medicaid program
6	for the big CAHPS that's done, we've used
7	questions on care coordination and case
8	management like type questions and we know that
9	there's a lot of fuzziness around that.
10	We've done focus groups on that. And,
11	we know that people define case managers as
12	everybody from their family friend to their
13	doctor to everybody in between.
14	And, so, I'm just saying that, you
15	know, just because you put in the survey, maybe
16	not clear to the member that's looking at the
17	survey, even if you explain it to them.
18	MS. FRENTZEL: Absolutely.
19	MEMBER PARKER: Yes.
20	MS. FRENTZEL: And, that's what we
21	found in the focus groups and that's why, you
22	know, we've after the cognitive screening

1

2

questions, there are all these -- there's several 1 2 program questions to really narrow it down because there's such variation. 3 4 Now, with case managers, it was more 5 of a titling issue, not so much kind of the work they do. So, we have a definition for case 6 7 manager for personal health staff or behavioral 8 staff and homemaker staff and, so, that, because 9 of the variation. 10 But, you're right. And, if they could 11 have potentially two case managers --12 MEMBER ZLOTNIK: Some have 23 case 13 managers. 14 MS. FRENTZEL: A single person could 15 have 23 case managers? 16 DR. JACKSON: This is Beth Jackson, 17 I'm also on the -- I was on the development team. 18 And, because the accountable entity is 19 typically a program, the sponsor of the survey would be able to say this is what we call a case 20 21 manager in this program. 22 And, you know, typically, my

experience has been that a person has one case
manager in an HCBS program.

Granted, that an individual could have 3 4 more than one case manager across programs and be 5 enrolled in more than one program, but I think it would be very clear to the individual what 6 7 program they were being surveyed about. 8 And that, in fact, it's even possible 9 to customize the survey in such a way that actually talking about, you know, your case 10 11 manager and the person's name. So, I think that 12 helps. And, in terms of the behavioral health 13 14 staff, it's really behavioral health staff coming into the home to help with ADLs and IADLs. 15 16 I don't know if that helps answer your 17 questions or not. 18 MEMBER ZLOTNIK: I mean, I think it 19 does by using the name because I think I've worked with a lot of people who really can't keep 20 21 track of who belongs to what program who are 22 coming into their house or what they're role is.

и И
CO-CHAIR MONSON: Well, and, actually,
even within a program like, in Ohio, for
instance, if you're in the MMP and you're over
65, you have two case managers. You have a
health plan case manager and you have a AAA case
manager.
Same thing in Kansas, if you are in
the LTSS program there, you've got if you're an
individual with IBD, you've got a targeted case
manager from the county and you've got a health
plan case manager. So, you're definitely going
to have two.
MEMBER ZLOTNIK: Yes, and if I could
just say, where are the term case manager is
often also used is at the provider level.
So, if you have a personal care
provider and another kind of behavioral health
provider and, you know, several other kinds of
service providers, that's where you might find a
home health like skilled nursing, you'll find a
case manager.
And, then you've got, in addition, you

	2
1	might have a home community based case manager
2	and an MMP or a D-SNP case manager or usually
3	called care coordinator or something else, but
4	that's where
5	But, I will say that I think your idea
6	of trying to get the name of the person is a good
7	one. We did do that in Minnesota in our early
8	testing of not CAHPS survey, but another consumer
9	survey that we were trying and that did help.
10	But, it was very difficult to keep
11	track of the name because, depending on which one
12	you're talking about, because you've got to have
13	that bin ahead of time in the survey. And, if
14	you're administering the survey by mail or
15	something, you know, that can change by the time
16	you get it printed up.
17	I don't even know how you do it
18	exactly, you know, it takes manual work to do it
19	then. So, it's difficult.
20	CO-CHAIR MONSON: Is it relevant to
21	this particular topic, Beth? Because Tom has
22	been waiting.

	2
1	MEMBER POTTER: Yes, Beth, maybe you
2	could day, this is D.E.B. Potter, a little bit
3	about how this survey is administered using a
4	computer-assisted application and all of that.
5	That might be helpful.
6	DR. JACKSON: Yes, yes, it was
7	designed to be face to face or by phone. So,
8	it's designed to be CATI, computer-assisted
9	telephone interviewing, or CAPI, computer-
10	assisted program interviewing.
11	So, it's not given the complicated
12	skip patterns and given the desire to tailor it
13	to the program and the individual as much as
14	possible, doing that with a male survey would be
15	virtually impossible.
16	We were also counseled early on by
17	members of our TEP to have this be actually an in
18	person. They felt with the HCBS population,
19	particularly with so much cognitive impairment as
20	well as hearing impairments that it would be
21	important to do this survey face to face.
22	CAHPS does require at least two modes

of administration and we did add the telephone 1 2 interviewing, which we found, and which states are finding now, at least, well, I'll say at 3 4 least one state is finding in the test program 5 that individuals in these programs are -- in some of the programs are preferring the telephone 6 interview as opposed to being visited. 7 So, it's CAPI or CATI, CATI or CAPI is 8 9 highly recommended and not telephone, I'm sorry, not mail. Does that do it? 10 Yes, it did. 11 MS. FRENTZEL: 12 CO-CHAIR MONSON: So, why don't we go We've got about 13 minutes left for this 13 to Tom? 14 So, we'll go to Tom's question then we'll topic. 15 keep going. 16 MEMBER LUTZOW: Yes, this Tom Lutzow, 17 iCare, Wisconsin. 18 Self-directed support is a big thing in Wisconsin. We're a FIDE SNP, 30 percent and 19 20 it's growing. Maybe this year, it will reach 40 21 percent of the members of self-direct some of 22 their home and community-based waiver services,

especially personal care, homemaking and support 1 2 of home care kinds of things. Do you make note of that? 3 It's a coemployment situation, there's a fiscal agent that 4 is the employer of record but pretty much, the 5 member picks their own worker. 6 7 And, even sometimes, when we might 8 otherwise prefer they pick someone else, it's a 9 relative, maybe even someone who is, you know, has a court record that would otherwise not make 10 11 But, because it's a matter of the cut. 12 preference, they're selected and hired. Where is that accommodated here? 13 14 MS. RAETZMAN: So --15 Go ahead, Susan. MS. FRENTZEL: 16 MS. RAETZMAN: This is Susan Raetzman. 17 The survey accommodates it by not 18 actually making a distinction. The questions can 19 be asked for a person who is, you know, providing 20 services under that arrangement as well. 21 If the survey sponsor wants to be able 22 to identify those surveys when they're doing the

analysis, they could add that information to 1 2 their analytic file so that they could look at that separately. 3 4 CO-CHAIR MONSON: Okay. Do you have more of your presentation? 5 Yes, we have a few more 6 MS. RAETZMAN: 7 slides. 8 CO-CHAIR MONSON: Okay. MS. RAETZMAN: 9 And, I'll go fast. 10 So, could you go to the next slide, 11 please? 12 So, this is just a brief review of 13 some of the aspects of the survey that states are 14 encouraged to consider in their thinking about, 15 you know, whether the CAHPS -- HCBS CAHPS survey, 16 you know, fits into their needs. 17 So, it's the person centeredness, the 18 fact that you can use the survey with a broad 19 range of individuals with disabilities and do 20 that with a single instrument, you know, across 21 these different programs. 22 It's designed to be as accessible as

су 8
5
5
and
5 to
this
a
ogram
ey
7
nt to
se

of any problems identified.

1

2	Another way to use the survey is to
3	repeat survey administrations in order to track
4	performance over time and monitor changes.
5	For example, before and after
6	implementation of a program improvement project.
7	And, provided there's a sufficient
8	beneficiary sample for each program or subprogram
9	group, the survey can make comparisons among
10	programs serving individuals with different types
11	of disabilities.
12	It can be used to convey performance
13	information to a variety or stakeholders within
14	the organization, beneficiaries, providers, even
15	state legislatures.
16	And, because the measures align with
17	some of CMS's quality requirements, the survey
18	can assist states engage in compliance with
19	regulatory requirements.
20	Next slide, please?
21	So, we do have some examples of state
22	uses. Right now, there are seven grantees from

the test states that are demonstrating use of the 1 2 survey in their HCBS programs. And, their plans range from comparing 3 performance across programs to identifying 4 5 quality improvement opportunities, to exploring whether future managed LTSS programs should use 6 7 the instrument. We have one grantee that is further 8 9 studying response rates from different administration modes including an online version. 10 11 And, we have another grantee, the 12 State of Connecticut, that is using the survey to 13 set quality benchmarks for performance incentive 14 payments to case management agencies. And, if we go to the next slide, I 15 16 just have a little bit of information about their initial results. 17 18 They are the furthest along, and 19 that's why they've been able to share their 20 results to date. 21 They are focusing on three waiver 22 programs, those serving older adults, individuals

with physical disabilities, that's their personal 1 2 care assistance program, and individuals with brain injury. 3 4 They let the participants choose 5 whether to take the survey over the phone or in person and they allowed both assisted surveys as 6 7 well as proxies to complete the survey. 8 Next slide, please? 9 So, this slide shows preliminary response rates from Connecticut. These are in 10 11 the 60 to 70 percent range at the bottom of each 12 column for two of the populations. 13 And, Connecticut recently updated that 14 the response rate for the brain injury group was about 61 percent. And they attribute their 15 16 response rates, first and foremost, to allowing 17 the assistance with the interviews and also proxy 18 respondents. 19 Next slide, please? 20 And, then, this slide of Connecticut's 21 preliminary participation results indicates that, when given a choice of survey mode, more than 9 22

1 or 10 are choosing telephone. I think it's more 2 like 95 percent actually. Among the brain injury population, 3 4 just under 20 percent have been in person. So, 5 the majority still prefer the telephone option. And, Connecticut indicates that people 6 7 who prefer an in person option are usually those 8 with a communication issue where they need to 9 meet in person and also the assisted interviews 10 are sometimes preferred to do in person. 11 And, this slide also shows that the 12 PCA waiver participants were most likely to 13 complete the survey by themselves compared to 14 older adults. And, again, in terms of the brain 15 16 injury group, about 65 percent completed it alone as opposed to having either a proxy or some help. 17 18 And, the last slide is just a resource 19 slide in terms of -- yes, just different places 20 that people can go for more information about the 21 survey. And, that's it. 22

280

I	∠28 I
1	MEMBER POTTER: Hi, this is D.E.B.
2	Potter again.
3	Is this Truven mailbox still up to
4	date? I've got other Truven contractors that now
5	have different email addresses. So, I bring that
6	to your attention.
7	DR. JACKSON: Yes, we are aware of
8	that. We have not yet migrated that mailbox, but
9	we will. We are working with CMS to make sure
10	that it is seamless. Thanks for noticing that.
11	MEMBER PARKER: Hi, this is Pam,
12	again.
13	I'm quite interested and excited about
14	the you're doing a couple of different things
15	in here than what we've heard the standard CAHPS
16	approach. Now, I wish that Stacey was still
17	here, Stacey from CMS.
18	But, first of all, the fact that
19	you're allowing someone to translate it verbally.
20	I know that the regular CAHPS methodology just
21	has been, you know, absolutely opposed to that.
22	And, I think this is so important for

this population and not just having the 1 2 instrument in a different language, that isn't all that useful, but having someone to be able to 3 4 do it, you know, verbally. And, of course, then the other is that 5 you're doing it by telephone and you're allowing 6 7 proxies. So, the proxies, you know, actually administering it by telephone with a person or in 8 9 person, but I think telephone's the most 10 important. 11 And, then, the other one in terms of 12 the language. 13 In Minnesota, we were doing a project 14 where we've been trying to -- we cover much of the same population with the regular CAHPS and 15 16 we've integrated the Medicare and the Medicaid 17 CAHPS survey instruments with some success, 18 though, because of these methodologies that CMS insists on, we don't really -- oh, here's Stacey 19 20 -- we don't get to -- Stacey --21 MEMBER LYTLE: Just in time. 22 MEMBER PARKER: What I was excited

about here is, I was hoping that what they're 1 2 testing here with proxies, the language and the in person or on the phone surveys, you know, 3 being able to use addition people, this would be 4 5 so good for so many dual eligibles across the country if that testing, you know, that they've 6 7 done now could be transmitted to other CAHPS 8 documents like for the MMPs and like Minnesota 9 with all its, you know, immigrant seniors that are left completely out of these surveys. 10 11 MEMBER LYTLE: If only that call had 12 lasted two minutes longer. 13 So, I think the short answer is it's 14 not that easy to translate it to the other CAHPS surveys. We have been in discussion with like 15 16 the Medicare CAHPS people and others about what 17 it would mean to do some different testing and to 18 use testing that we've seen elsewhere. 19 But, survey order and things that we 20 all know about come into play then. 21 However, we have been in MMCo trying 22 to figures out just where this HCBS CAHPS survey

fits and how we can better use the information
that it presents because of our population with
the MMPs and others.

So, it's definitely on our radar and something we've been thinking about because it's information we don't have and we really want, number one.

8 And, number two, because it's done all 9 the testing. So, we know that it works as it's 10 structured. So, we're working on it. I don't know if it gets to the Minnesota issue because 11 12 there's several questions that you all asked and 13 that the plans asked that are a little different. 14 But, we are looking into how to utilize what's available there. 15

MEMBER PARKER: Yes, and if I could just add that, you know, there is the issue then, too, of the juxtaposition of just how many CAHPS do these poor people have to have?

20 And, in this case, let's say it's, you 21 know, well, Minnesota's the only that's tried to 22 integrate the Medicare and Medicaid so Medicaid

may use the CAHPS and Medicare may use it. 1 And, 2 there may be in this field at the same time and then you have this third CAHPS of this one being, 3 4 you know, discussed and proposed. And, you know, that reduces response 5 6 rates terribly. 7 MEMBER LYTLE: And, that's our concern 8 that --9 MEMBER PARKER: Yes. 10 MEMBER LYTLE: -- the survey burden is 11 just too much --12 MEMBER PARKER: Right. 13 MEMBER LYTLE: -- when we say take 14 these for --So, there's got to be 15 MEMBER PARKER: 16 some kind of hierarchy or some plan around that. 17 But, then -- and then, the other last thing I was going to say was I think everybody 18 19 should know and maybe you all are expert enough 20 to know this, but I think it's pretty atrocious, 21 I have to say, I know Stacey knows how we feel 22 about this, that when there isn't even a real

language block on the CAHPS that, you know, has 1 2 in different language of what this item is. And, when we had to switch from the 3 4 Medicaid CAHPS to the Medicare, they made us use 5 all the Medicare approaches to the CAHPS. And, so, we couldn't put a language block on saying, 6 7 this is, you know, in many different languages saying that this is, you know, even if you don't 8 9 fill this out, it's okay and but it is. CO-CHAIR MONSON: 10 Yes. 11 MEMBER PARKER: So, they don't know 12 what it is. They get it and they know that they 13 don't have to fill it out, that's stated. But, 14 it doesn't say what it even is or tell you anywhere to go and get help for it or anything. 15 16 So, it's really, I think, such a poor 17 way to get at some of the frailest and sickest 18 and most disadvantaged and health legacy 19 disadvantaged folks that we have. 20 CO-CHAIR MONSON: Okay, we have time 21 for one more comment. 22 MEMBER LAKIN: You allow proxy

comments sort of I gather you leave that up to 1 2 the program. I just wonder to what extent you've 3 studied the sort of the inter-rater reliability 4 between primary service respondents and those who 5 respond as proxies? 6 7 The evidence in -- with some surveys 8 that have looked at that suggest they're not at 9 all equal and they're somewhat idealized by the proxy as compared with a service recipient. 10 11 Is that something you've looked at and 12 put -- if so, do you give that advice to people 13 who might be making a decision about using proxy 14 respondents? I'm particularly concerned with 50 15 16 percent of the respondents for people with 17 intellectual and developmental disabilities are 18 not service recipient. 19 This is Coretta Mallery. DR. MALLERY: 20 And, we did look at that. And, I 21 could give move specific details on, I believe, 22 but I'm just going off recall, that only one of

the measures was higher for proxy respondents.
But, I'll need to dig back and find which report
that was.

But, I agree that there are, you know, there's a lot of research out there that shows that proxies may respond more positively than the beneficiaries.

8 So, what we would recommend is 9 absolutely taking a look at that if you were 10 including proxies and we would also recommend 11 including it as a case mix adjuster. So, you 12 know, including whether or not a proxy responded 13 on behalf of the beneficiary. So, but the scores 14 could be adjusted for that.

15 CO-CHAIR MONSON: Clarke, did you have 16 something burning to say?

17 (OFF MICROPHONE COMMENTS)

18 CO-CHAIR MONSON: Okay. Got it.

All right, well, thank you Kerry and team. We appreciate you sharing with us today and, you know, it'll obviously be very helpful for us as we consider this from a voting
1 perspective. 2 And, so are we not voting now? So, no. What we'll do 3 MS. MUKHERJEE: 4 is we'll vote via SurveyMonkey and it's going to 5 go out, so please look at your email and there'll be two questions. 6 7 One for inclusion into the duals 8 family of measure. 9 And, two, for inclusion to the starter 10 set. So, instead of voting now, just for 11 12 the sake of getting everybody's voices and some 13 people had to leave, we're going to send out a 14 SurveyMonkey voting. I did want to highly 15 MEMBER ROSS: 16 encourage us to endorse this measure. This is a 17 CAHPS trademark. This is already National 18 Quality Forum endorsed. 19 The MAP report to CMS, two of the six 20 high-value measure areas are patient-reported 21 outcomes and patient experience. 22 This is a high priority of not only

the Consortium for Citizens with Disabilities, 1 2 but the Disability and Aging Collaborative that Joe Caldwell chairs with NCOA. 3 So, this is a big priority that's been 4 5 in the works for quite a few years that the advocate and provider community-based provider 6 7 community thinks is really valuable. 8 And, so, I encourage you all to vote 9 yes. 10 CO-CHAIR MONSON: So, even though we're not voting, I do think -- do other people 11 12 want to chime in about perspectives on the CAHPS? 13 Pro? Con? Yes, go ahead. 14 There might be 11 MEMBER LUTZOW: votes here right now. 15 16 (OFF MICROPHONE COMMENTS) 17 CO-CHAIR MONSON: We can -- okay, we 18 So, therefore, just -- but still, can vote. 19 again, does anyone have any more commentary on 20 the measures themselves before we vote? 21 Yes, Charlie? You know, in general, 22 MEMBER LAKIN:

I'm in support of this. I'm not sure -- what are 1 2 voting for an instrument in this case? Are we voting for composite measures? Are we -- I don't 3 4 know quite what we're endorsing. MS. MUKHERJEE: So, it's the measures. 5 It's the measures. 6 7 CO-CHAIR MONSON: All of them? 8 MS. MUKHERJEE: All of them, yes. 9 MEMBER LAKIN: The ones that were endorsed not --10 11 MS. MUKHERJEE: Endorsed. 12 MEMBER LAKIN: -- the whole survey, 13 you need to go back and show them what --14 CO-CHAIR MONSON: Yes, can we see which ones? 15 16 MEMBER LAKIN: -- need to clarify. 17 MS. MUKHERJEE: So, do you guys want 18 to screen share 2697, the --19 (OFF MICROPHONE COMMENTS) 20 Yes, so, we're voting MS. MUKHERJEE: 21 on all the measures that came through and were endorsed. And, under 2967 and we're screen 22

	∠
1	sharing. And, there are a lot of measures, but
2	this is not a survey, these are sort of
3	questions.
4	CO-CHAIR MONSON: And, they were
5	endorsed by which committee?
6	MS. MUKHERJEE: The PFCC, Person and
7	Family Centered.
8	CO-CHAIR MONSON: Was there any do
9	we know, was there any commentary from that group
10	that we should be aware of?
11	MS. MUKHERJEE: Also, for a quick
12	reference, it's one on the slide in the
13	PowerPoint, so if you want to look at the
14	PowerPoint, if you have it one your desktops.
15	DR. ROILAND: So, while we're getting
16	everything pulled up there, I can give you a
17	brief summary of the issues that the Committee
18	went through when they reviewed the measure.
19	The first round of evaluation at the
20	in person meeting of the PFCC Standing Committee,
21	there was a lot of questions around the which
22	how the measure would be applied to an

organization. Basically, who would be held 1 2 accountable for the measure. And, so, the developer provided 3 4 clarity around that saying that -- I'm sorry, let me pull this up here, I don't think we're 5 loading. 6 7 CO-CHAIR MONSON: Okay, so, which one -- when we're looking on your screen, is it the 8 9 recommendation measures that we're looking at or 10 the global ratings measures or all of them? 11 so, all of these MS. ROILAND: 12 measures are considered NQF endorsed underneath the NQF Number of 2967. There are 19 measures, I 13 14 believe. You might need to scroll down a little 15 bit, Madison. Sorry, can you scroll back up, 16 let's start from the beginning. 17 So, there are scale measures. Those 18 are the measures that they went over in the first 19 part of their presentation. So, they're a very 20 number of items that are grouped together to 21 create a scale measure. There are seven of 22 those.

Neal R. Gross and Co., Inc. Washington DC

1	Like they said in the presentation,
2	they are, beginning with number one, staff are
3	reliable and helpful, staff listen and
4	communicate well, case manager is helpful,
5	they're able to choose the services that matter
6	to them, they have access to transportation to
7	medical appointments, another scale related to
8	personal safety and respect and then planning
9	your time and activities is another scale
10	measure.
11	Then, they move on to three global
12	ratings measures and these are global ratings of
13	personal assistance and behavioral health staff,
14	global rating of the homemaker staff and global
15	rating of the case manager.
16	We had some discussion around two of
17	those three.
18	Then, there are three recommendation
19	measures. Would you recommend your personal
20	assistant or behavioral staff to family and
21	friends? Would you recommend homemaker staff to
22	family and friends? Would you recommend case

manager?

2	Then, there are five measures related
3	to unmet needs. They're on dressing and bathing,
4	preparation meal preparation, medication
5	administration, toileting and other household
6	tasks.
7	One physical safety measure, if you
8	can scroll down a little bit, Madison, talking
9	about harm from the staff.
10	And, so, those are the 19 measures.
11	So, if these measures these measures are
12	derived from the items on the HCBS experience of
13	care survey, or the CAHPS survey, I'm sorry.
14	So, the measures are derived from that
15	survey and each of these are endorsed measures
16	under the under NQF's approach to endorsing
17	measures derived from the survey.
18	MS. JUNG: And, I can read the summary
19	of what the Committee said. Would you like that?
20	So, this for the CAHPS survey. This
21	new PRO-PM is a package of 19 different measures
22	calculated from data from a newly developed

experience of care survey focusing on HCBS 1 2 programs. Numerous challenges were identified 3 with this measures submission including level of 4 5 accountability and variation in the types of programs and services offered both across and 6 between states. 7 8 The developer noted that the survey 9 and reporting of the measures are being introduced for voluntary use by states and 10 11 relevant programs and would help programs 12 identify areas for quality improvement 13 interventions. 14 Committee members with experience in 15 this area noted that what matters to consumers is 16 that their needs are met, not who is meeting 17 them. 18 The Committee decided to vote on evidence all together and then split the measure 19 into five measure domains and vote on each of the 20 21 domains separately for performance gap and the 22 remaining criteria.

Neal R. Gross and Co., Inc. Washington DC

www.nealrgross.com

	2
1	The performance and testing data
2	submitted for these measures were limited due to
3	the pilot testing of the survey so the Committee
4	found it challenging to understand the
5	opportunity for improvement performance gap and
6	reliability of some of the domains.
7	The Committee provided recommendations
8	to the developer on the opportunities to address
9	some of the data challenges. However,
10	ultimately, two of the measure domains failed
11	performance gap and the remaining measures failed
12	on reliability.
13	The Committee encouraged the
14	developers to determine if alternate testing
15	procedures might be better might better
16	differentiate programs and better support the
17	reliability of the metrics.
18	And, there is a lot more. Let me see
19	if there's a summary. I can keep reading.
20	DR. ROILAND: Would it be better just
21	for us to share this with folks and then we can
22	still vote via survey so you have time to review

I

(202) 234-4433

Ī	
1	it better or what would everyone be most
2	comfortable with at this point?
3	MEMBER ZLOTNIK: Could you just
4	clarify what you're asking us to vote on to add
5	it to our family of measures?
6	DR. ROILAND: It would be so, we're
7	asking you vote on Measure NQF Measure 2967 and
8	that measure number encompasses all 19 measures
9	from the survey that are created from the survey.
10	DR. ZLOTNIK: Right, but are we voting
11	on it to add it to our family of measures?
12	DR. ROILAND: Well, yes, we're voting
13	on that. But, then, yesterday, the issue also
14	came up that someone wanted to propose also
15	adding it to the starter set, so we're going to
16	ask you to vote on those two things.
17	DR. ZLOTNIK: Thank you.
18	MEMBER PARKER: Could you also just say
19	something about the scaling? Is it typical
20	CAHPS? Is it, you know, it says yes and no and
21	then there's something in between and where is
22	the cut off?

	25
1	DR. ROILAND: It's different for each
2	item. So
3	MEMBER PARKER: Yes, it's something
4	like never, sometimes, usually, always.
5	MEMBER HAMMEL: But, then they have an
6	alternative.
7	CO-CHAIR MONSON: So, do people are
8	there do people have concerns about these
9	measures? Let's just start there.
10	Yes, Joy?
11	MEMBER HAMMEL: I didn't have concerns
12	until you read off that entire report which
13	doesn't sound very positive.
14	CO-CHAIR MONSON: So
15	DR. ROILAND: So, in the initial round
16	of evaluation, there were some concerns around
17	the testing of the measure, I think, particularly
18	in terms of they had a lot of subgroups, they had
19	a larger sample, but a lot of subgroups that they
20	tested the measure on.
21	And, so, the Committee asked the
22	developer to bring back additional testing which

Neal R. Gross and Co., Inc. Washington DC

1 they did during the post comment call which 2 happens after the draft report is released. With that information, the Committee 3 4 was satisfied that the measure met reliability and validity and also demonstrated performance 5 6 gaps. 7 MS. JUNG: Yes, and the following five paragraphs, it got a lot better. 8 9 MS. ROILAND: So, ultimately, it was 10 endorsed this past October as I believe Kerry 11 mentioned. 12 CO-CHAIR MONSON: Joan? 13 MEMBER ZLOTNIK: My concern is really 14 on the workforce issues. They -- without knowing how the survey is used and then how the 15 16 information is then reported, it has the 17 potential for giving -- providing very unclear 18 information. 19 So, like, in general, like, the information that's included in those 19 areas 20 21 that have been obviously functionally put 22 together, makes sense. But, it just concerns me

that the surveyors are using words for staff that 1 2 multiple meanings. And, while someone can be filling it 3 4 out, I just feel like I'd be sitting in some 5 congressional hearing and, you know, someone would say, oh well, these, you know, case 6 7 managers aren't doing their job or whatever it 8 is. These things happen. 9 So, that's my concern. 10 CO-CHAIR MONSON: Yes, D.E.B.? 11 MEMBER POTTER: In the interest of disclosure, I'll say I've served on the Technical 12 13 Expert Panel for this survey for many years. 14 What we didn't see the full scope of was all of the up front questions. You know, it 15 16 starts with a program. Does someone come in to 17 your house and who do you call them? 18 And, because it's a CAPI and a CATI 19 survey, the interviewer can insert the 20 respondent's concept of what that is. Oh, Mary 21 helps me make my bed and get dressed in the 22 morning.

ĺ	د ا
1	And, so, the subsequent questions say,
2	and does Mary do this and does Mary do that?
3	That's one of the advantages of having
4	it be a CAPI or a CATI survey to try and deal
5	with all of those legitimate issues that you
6	bring up.
7	And, as we heard earlier, in some
8	states there are multiple versions of this. But,
9	because the accountable entity is a program, it's
10	not like everybody in a state. You start with,
11	well, what does the program call it? You know,
12	and builds from there.
13	I don't know if that helps but
14	CO-CHAIR MONSON: Wendy?
15	MEMBER FOX-GRAGE: I am all for this.
16	We are so in need of an experience of care for
17	people in home and community based services
18	programs. So, I'm a fan.
19	My only question is this, and it's
20	because I'm new, but I don't know this, and
21	that's the question of, you know, being in the
22	family versus the and also being in the

I

(202) 234-4433

starter set.

2	So, I just want to make sure, then, in
3	the family, do we have any I know we've spent
4	all day yesterday voting on measures that were
5	really more for an institutional setting.
6	So, I just wanted to ask what that
7	the part that we didn't cover which is the whole
8	family of services, is there anything else at all
9	that's experience of care survey on HCBS? There
10	isn't, is there? Okay, that decides it for me.
11	CO-CHAIR MONSON: Clarke?
12	MEMBER ROSS: So, right, Wendy. So,
13	this is a priority of the Disability and Aging
14	Collaborative because we don't have these
15	measures.
16	This is tested in eight states and
17	this is already endorsed. And, I'm concerned
18	that we would send a message to the entire field,
19	not just National Quality Forum, that, because
20	the status of social workers and, as they say on
21	The Hill, my good friend Joan and I've worked
22	with Joan since the 1980s on nursing home reform,

2	Because the social work phrasing isn't
3	clear, we're going to vote down one of the few
4	beneficiary experiences in home and community
5	based services which we're all about.
6	And, the point I was going to make to
7	Stacey on the side in response to Pam's question
8	was, I asked at the MMCO stakeholders meeting we
9	had two weeks, this very question, what is the
10	use by MMCO and the duals demos?
11	And, Tim said there's a question on
12	how to best fit it. And I went to Steve Kaye,
13	who's one of the five researchers at the
14	University of Minnesota. He directs the
15	University of California San Francisco Center and
16	was co-chair of the National Quality Forum HCBS
17	Committee.
18	And, he provided data on three states
19	that show a significant number of the dual demo
20	participants are also recipients of home and
21	community based services under Medicaid.
22	So, I'm just getting really uneasy

that, because every one of these things has
 technical challenges, but I'm concerned about the
 big message.

And, the message should be, this is needed. It's well overdue, it's important and it should part of not only the duals family, but personally, it's so important, it should be part of the starter set.

9 So, that's all I can do to plead with. And, I just want to 10 MEMBER PARKER: echo what Clarke is saying. I think, with all 11 12 its flaws and CAHPS surveys, you know, have lots of flaws in them, it's the best thing that I've 13 14 seen and it moves it forward with some of these other little accouterments that I've already 15 16 talked to you about.

And, I think with the advocacy community being where it is and we just heard that from two of them, I think it would be -- I would feel really bad if this was my first and last meeting of this group and I had been part of putting something like this to death when it's an

I	3
1	opportunity to make such a big movement forward.
2	So, I would just plead for everybody
3	to support it.
4	CO-CHAIR MONSON: Alison and then Tom?
5	MEMBER CUELLAR: Yes, I'd like to say
6	I wholeheartedly agree. It's so difficult to try
7	to evaluate these dual demonstrations without an
8	instrument like this or managed LTSS that it's
9	When we were looking at this thing, it
10	was still over 60 minutes long. It hadn't been
11	tested and so there was nothing the state could
12	do or that we could help the state with at that
13	point.
14	But, we made something up. This is a
15	huge improvement.
16	MEMBER LUTZOW: Yes, I'm in favor,
17	too, only because we need another CAHPS survey to
18	debate over for the in the future.
19	But, I mean, this is a case where, you
20	know, we can't let the perfect get in the way of
21	the good.
22	You know, in Wisconsin right now,

every MCO is doing its own survey as opposed to 1 2 using a standard survey. And so, there's no way to, in terms of these community based services, 3 there's no way to compare one MCO to the other. 4 5 We send in our survey and they record 6 the results and our survey isn't like anybody 7 else's. 8 And, so, I mean it's clear the field 9 needs this. It's looking for it and, you know, 10 it can get perfect over time. 11 CO-CHAIR MONSON: So I would just add 12 that from another -- from a national health plan 13 perspective we would love this. Look, at the end 14 of the day all of us are here to help the individuals who are duals, in this case people 15 16 with HCBC services, live the best life possible 17 and remain in the community. And this is a 18 critical tool for us to be able to make sure 19 we're doing that correctly. And if we can't -- if we as a 20 21 committee can't get this one over the -- this is 22 a very well-developed measure, by the way. I've

been following this one for years. This one has 1 2 gone under a lot of scrutiny. There's been a -and there's also been a lot of sharing of 3 4 information along the way, so it's not been 5 hidden. It's very well designed. It's been 6 executed well. If we can't push this one over, 7 then we do deserve to be put on hiatus. 8 Okay. Are we ready to vote? Are we 9 -- Madison, are we doing your thing or we're doing it by hand? 10 11 DR. ROILAND: And, Alice, if you're still on the line, you can chat your vote to us 12 13 in the webinar platform chat box. 14 Okay. Got it. MEMBER LIND: 15 DR. ROILAND: Thank you. 16 CO-CHAIR MONSON: Okay. Did we say --17 I'm sorry. Are we using the clickers? We have. 18 Okay. All in favor? 19 PARTICIPANT: Wait, wait. 20 CO-CHAIR MONSON: Oh, sorry. I think 21 we start with the family. We're doing the family first and then we'll do the --22

	30
1	(Simultaneous speaking.)
2	MS. JUNG: So voting for Measure 2967,
3	CAHPS home and community-based services measures,
4	is now open for the addition to the family.
5	Well, okay. So we'll start off with yes. So
6	raise your hand if you would indicate yes?
7	(Voting.)
8	MS. JUNG: And she's yes.
9	MS. BUCHANAN: Oh, she's yes?
10	MS. JUNG: Yes.
11	MS. BUCHANAN: Okay. Great. So we
12	have 15 in favor. So that's okay. And so
13	there would be zero not in favor. So it passes.
14	MS. JUNG: It passes? Okay. So
15	Measure 2967 passes with 100 percent for addition
16	to the family of measures.
17	The next vote will be the vote for
18	addition to the starter set. Please raise your
19	hand if you would like to vote yes for that.
20	CO-CHAIR MONSON: Yes, hold on just
21	one second. Jen has a quick question.
22	MEMBER RAMONA: Sorry, being newbie-

Can you define what the starter set -- what 1 ish. 2 that really means for the use of it? Sorry. CO-CHAIR MONSON: So the starter set 3 4 is supposed to be that if a state or an entity 5 wanted to pull -- what are the first measures 6 they would use to do dual measures? And this 7 would be in that -- as opposed to a large group 8 This is the first ones you'd pull of measures. 9 out. So there's 10, 15 on the starter set right 10 now? 11 PARTICIPANT: Seven. 12 CO-CHAIR MONSON: Seven? I wasn't 13 that -high priority is the way I think about 14 it. These are high priority measures. 15 Okay. So voting for the MS. JUNG: 16 starter set of Measure 2967, CAHPS home and 17 community-based services measures is now open. 18 Please raise your hand if you would like to 19 indicate yes. 20 (Voting.) 21 MS. BUCHANAN: So I have 14 in the So, Alice, yes. We have 15 yeses. 22 room.

1	3.
1	MS. JUNG: So with 15 yeses that's 100
2	percent and the measure is now added to the
3	starter set.
4	CO-CHAIR MONSON: Awesome. Well done.
5	We have no, in fairness, that's very true. We
6	have accomplished something. I mean, this is
7	important, because now that it's NQF-certified,
8	this also means that as if you think about
9	from I'll take my parochial view with managed
10	care and we know many states are moving to
11	MLTSS. They need to have ratings. They have to
12	have a quality rating system by because of the
13	new managed care rule. So now this will be one
14	that they can use because this is an endorsed
15	measure, which is great.
16	Okay. We're doing the strategic
17	yes, all right. So this is our this was as
18	you will recall from yesterday, this was we
19	said we'd have reserved time at the end of today
20	again to provide more thoughts back to CMS for
21	final parting thoughts about dual measures. So I
22	will open it up to the group in terms of those

<pre>1 final thoughts. Anything that we really want to 2 and I would say things that you want to leave 3 CMS with: recommendations, ideas, this is your 4 forum to do that. 5 (Pause.) 6 CO-CHAIR MONSON: And you're not 7 allowed to leave yet. 8 (Laughter.) 9 CO-CHAIR MONSON: Yes, and it may be 10 that Alice, you we have not given you an 11 opportunity to speak. Is there anything else 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom? 22 MEMBER LUTZOW: Yes, I think as a</pre>		
 CMS with: recommendations, ideas, this is your forum to do that. (Pause.) CO-CHAIR MONSON: And you're not allowed to leave yet. (Laughter.) CO-CHAIR MONSON: Yes, and it may be that Alice, you we have not given you an opportunity to speak. Is there anything else that you want to share? And you weren't you didn't join the conversation yesterday. MEMBER LIND: I'm trying to think if I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. 	1	final thoughts. Anything that we really want to
<pre>4 forum to do that. 5 (Pause.) 6 CO-CHAIR MONSON: And you're not 7 allowed to leave yet. 8 (Laughter.) 9 CO-CHAIR MONSON: Yes, and it may be 10 that Alice, you we have not given you an 11 opportunity to speak. Is there anything else 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom?</pre>	2	and I would say things that you want to leave
 (Pause.) CO-CHAIR MONSON: And you're not allowed to leave yet. (Laughter.) CO-CHAIR MONSON: Yes, and it may be that Alice, you we have not given you an opportunity to speak. Is there anything else that you want to share? And you weren't you didn't join the conversation yesterday. MEMBER LIND: I'm trying to think if I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. 	3	CMS with: recommendations, ideas, this is your
 CO-CHAIR MONSON: And you're not allowed to leave yet. (Laughter.) CO-CHAIR MONSON: Yes, and it may be that Alice, you we have not given you an opportunity to speak. Is there anything else that you want to share? And you weren't you didn't join the conversation yesterday. MEMBER LIND: I'm trying to think if I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. 	4	forum to do that.
7 allowed to leave yet. 8 (Laughter.) 9 CO-CHAIR MONSON: Yes, and it may be 10 that Alice, you we have not given you an 11 opportunity to speak. Is there anything else 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 CO-CHAIR MONSON: Tom?	5	(Pause.)
 8 (Laughter.) 9 CO-CHAIR MONSON: Yes, and it may be 10 that Alice, you we have not given you an 11 opportunity to speak. Is there anything else 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom?	6	CO-CHAIR MONSON: And you're not
 CO-CHAIR MONSON: Yes, and it may be that Alice, you we have not given you an opportunity to speak. Is there anything else that you want to share? And you weren't you didn't join the conversation yesterday. MEMBER LIND: I'm trying to think if I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. 	7	allowed to leave yet.
 10 that Alice, you we have not given you an 11 opportunity to speak. Is there anything else 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom? 	8	(Laughter.)
11opportunity to speak. Is there anything else12that you want to share? And you weren't you13didn't join the conversation yesterday.14MEMBER LIND: I'm trying to think if15I remember the topics from yesterday, if I would16have had something unique. But I'm really17comforted with the compilation of new folks that18have been added to the work group and don't feel19that I have anything that my colleagues wouldn't20have said yesterday.21CO-CHAIR MONSON: Tom?	9	CO-CHAIR MONSON: Yes, and it may be
 12 that you want to share? And you weren't you 13 didn't join the conversation yesterday. 14 MEMBER LIND: I'm trying to think if 15 I remember the topics from yesterday, if I would 16 have had something unique. But I'm really 17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom? 	10	that Alice, you we have not given you an
13didn't join the conversation yesterday.14MEMBER LIND: I'm trying to think if15I remember the topics from yesterday, if I would16have had something unique. But I'm really17comforted with the compilation of new folks that18have been added to the work group and don't feel19that I have anything that my colleagues wouldn't20have said yesterday.21CO-CHAIR MONSON: Tom?	11	opportunity to speak. Is there anything else
MEMBER LIND: I'm trying to think if I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. CO-CHAIR MONSON: Tom?	12	that you want to share? And you weren't you
I remember the topics from yesterday, if I would have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. CO-CHAIR MONSON: Tom?	13	didn't join the conversation yesterday.
 have had something unique. But I'm really comforted with the compilation of new folks that have been added to the work group and don't feel that I have anything that my colleagues wouldn't have said yesterday. CO-CHAIR MONSON: Tom? 	14	MEMBER LIND: I'm trying to think if
<pre>17 comforted with the compilation of new folks that 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom?</pre>	15	I remember the topics from yesterday, if I would
 18 have been added to the work group and don't feel 19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom? 	16	have had something unique. But I'm really
19 that I have anything that my colleagues wouldn't 20 have said yesterday. 21 CO-CHAIR MONSON: Tom?	17	comforted with the compilation of new folks that
20 have said yesterday. 21 CO-CHAIR MONSON: Tom?	18	have been added to the work group and don't feel
21 CO-CHAIR MONSON: Tom?	19	that I have anything that my colleagues wouldn't
	20	have said yesterday.
22 MEMBER LUTZOW: Yes, I think as a	21	CO-CHAIR MONSON: Tom?
	22	MEMBER LUTZOW: Yes, I think as a

general statement from my perspective I would 1 2 never want to go back. I would never want to go back to 10 years ago. I think, yes, we can 3 4 debate this and nitpick that and -- but what's 5 been achieved in terms of performance measures and getting people on the same page and working 6 with evidence-based outcomes and that sort of 7 8 thing, this is quite amazing. This is quite 9 amazing. And the short amount of time that it's 10 taken to get here. 11 Now I still want to debate. It's

12 about adrenaline and it's about living longer. 13 And certainly we can nitpick, but life without 14 measures, I don't want to go back. Now I want to debate which ones should apply and how they 15 16 should be weighted and all of that, but something 17 great has happened here, not just in this room, 18 but within the total healthcare environment. 19 MEMBER AGUIAR LYNCH: So I just have 20 a -- sort of a plea for you guys at the Duals 21 Office. So I know you guys are focusing on

filling in the measurement gaps and working on

Neal R. Gross and Co., Inc. Washington DC

social risk factors and the Star Ratings program. 1 2 And as you guys are working on developing your Star Rating system for the MMPs, I think this is 3 4 such an amazing opportunity for you all. And I 5 think you guys are the office that's perfectly positioned to be able to do it, to think outside 6 of the box as much as you can to really pull in 7 what you've been hearing from this workgroup over 8 9 so many years and to try to get the measures that 10 are actually accurate and then the way that the system is developed in a way that's -- truly is 11 12 measuring quality and comparing quality 13 accurately and that it has the right incentives 14 for in this instance plans as they move forward, 15 and not to repeat the mistakes that were made in 16 the original Star Rating system. So I know it's 17 a tall order, but you guys could do it. 18 MEMBER LYTLE: Can I respond? 19 CO-CHAIR MONSON: Yes, of course. 20 MEMBER LYTLE: Just in response to 21 both, I think we totally agree we don't want to 22 go backwards either. It's not -- it's not our

desire, our goal, our hope or our strategy. 1 So 2 we are in complete agreement. As it concerns the Star Rating system, I think that you're right. 3 And we're trying to be very thoughtful about it 4 5 because the current Star Rating system isn't really applicable for the population that we 6 It's what we have, but we recognize that 7 serve. we need something that works better. 8 9 And so hopefully -- unfortunately I am 10 drawing a blank as to where we are in the process, but I know that throughout the process 11 12 we've done public comment and we've tried to get 13 input. And so I would hope that this -- the 14 members of this group will continue to be engaged in that way because your feedback is still very 15 16 important to us, not just with the Star Rating 17 system, but in everything we do. We do try to 18 incorporate the voices of those persons who we 19 serve, whether they be the people who are 20 receiving services or the people who are 21 administering them. And so we just hope to 22 continue to hear from you from that perspective.

> Neal R. Gross and Co., Inc. Washington DC

So we're trying.

2	CO-CHAIR MONSON: Yes, ma'am?
3	MEMBER PARKER: Of course my
4	everlasting plea to CMS is that as you look at
5	the MMP ratings system that you've solicited
6	comment on and everything, that we look at what
7	is applicable to the integrated D-SNPs,
8	recognizing that that's a larger even platform
9	than the MMPs and has many of the same features
10	and that we're moving trying to move that
11	world further and further toward something that
12	can come together in terms of what the MMPs and
13	the D-SNPs are both accomplishing, both working
14	on the same stuff.
15	And that population also, especially
16	for the integrated ones, of course is heavily
17	dominated by the home and community-based group
18	as well. So just what's good for one should be
19	brought over to the other, and that's we talk
20	about that in terms of network materials and
21	network approaches, and also measurement.
22	And then as we're thinking about that,

especially on behalf of the D-SNPs, we have to 1 2 think of how many layers are they under. Are they under a whole set of things from the state 3 4 level, another whole set from Medicare, and then 5 yet another set that's specific to duals and how 6 do we make all that make more sense? And as you 7 work that out for the MMPs I think it's going to 8 be very instructive to then see how that could 9 apply to the D-SNP world and get rid of some of those layers by looking at what you're doing with 10 11 MMPs. So that's just my own --12 (Simultaneous speaking.) 13 MEMBER LYTLE: We hope so. We've 14 spent a lot of days thinking about how to make 15 things applicable across --16 MEMBER PARKER: Right. 17 MEMBER LYTLE: -- all of the care plan 18 models. And our hope and desire is that whatever 19 we do with the MMPs is instructive and then 20 applicable across populations with nuances of 21 course, because the way they serve and the way they contract are different. But Pam knows all 22

too well some of the concerns and constraints 1 2 we've had there, but we still press. MEMBER PARKER: Yes. And then we have 3 4 to think of the providers, because they might be 5 working under fee-for-service systems as well as all these other layers. And so we have to make 6 it somehow make sense because they can't be 7 8 expected to do everything that a thousand 9 entities are telling them to do. They've got -we've got to focus it so that it makes sense at 10 11 that level, too. 12 MEMBER LYTLE: And can I just note one 13 more thing? I know I have probably talked a lot about the fact that we have demonstrations and we 14 have things happening, but I also want to be very 15 16 clear that that's part of what we do. And so we 17 are very concerned with how D-SNPs and fee-for-18 service providers and all other dual-eligible 19 individuals who are not in plans are receiving 20 So I just wanted to emphasize that because care. 21 I know I've sort of referenced it as our 22 approach, but it's -- our office's goal is not

1	just about demonstrations. It's about the
2	population at large.
3	MEMBER PARKER: And we wish you
4	well
5	(Laughter.)
6	MEMBER PARKER: as they're I
7	mean, it's so wonderful to have you all and to
8	have a focus point that we can even have a
9	discussion about this. I know somebody's
10	supposed to be kind of monitoring it, but that
11	wasn't always the case for the 20, 30 years
12	before. And we're just hoping it all continues
13	and we'll be watching for
14	CO-CHAIR MONSON: So I would add one
15	thing for you to think about, which would be I
16	think getting to a common assessment form is a
17	highly unlikely endeavor. I would wish it to be
18	true, right, across for all duals, however, I
19	do think what is achievable is the idea of some
20	common a handful of common questions as
21	opposed to a whole common assessment, but a
22	handful of common questions could be driven by

measurement, right, that the measures require 1 2 certain questions, especially around ADLs and IADLs. 3 4 If we had a common way of measuring 5 them, will that allow us to risk-adjust better, both from a financial perspective and also from a 6 7 quality perspective. So I would highly encourage 8 you all to think about where you could place some 9 small bets from -- and do it from the Medicare side that would apply to all eligibles. 10 11 Tom? 12 MEMBER LYTLE: I think that makes 13 And I just want to say if I'm not looking sense. 14 at you, I'm typing, because if I don't write it 15 down, I might not remember it. Sorry about that. 16 MEMBER LUTZOW: Yes, I think when you 17 look at how this field is organized now with 18 respect to measures, not just a common -- we 19 don't need just a common set of questions. We 20 need a common set of measures across the entire 21 system. And it is sort of striking that that's 22 not really prominent.

(202) 234-4433

Neal R. Gross and Co., Inc. Washington DC

	I
1	The value of the IMPACT Act is it is
2	going to test what happens when nursing homes,
3	home health agencies, hospitals and others get
4	rally around a common measure like readmission
5	prevention. And we're going to be able to tell
6	whether joining all those resources at the hip
7	around a common measure really can make a
8	difference. But I think there's other things
9	within the family of measures that we now have,
10	like diabetes, where if it were a measure that
11	everybody had to subscribe to we would see
12	population health gains that we don't now see.
13	So why we're resistant to this as an
14	industry: government side, provider side,
15	whatever side you want to consider, why that
16	isn't sort of self-evident as a value I haven't
17	been able to figure out, but it seems so clear
18	that if we want traction, we're all going to have
19	to get behind the same measure and push.
20	CO-CHAIR MONSON: Other thoughts?
21	MEMBER LIND: Hi, this is Alice. Can
22	I actually insert something after all?

ĺ	3
1	CO-CHAIR MONSON: Oh, I don't know.
2	(Laughter.)
3	CO-CHAIR MONSON: Okay. Go ahead.
4	MEMBER LIND: So just the conversation
5	about where our attention is focused and who has
6	still kind of been the left-unattended-to group,
7	the population that is the most complicated for
8	me personally as a state bureaucrat right now are
9	the folks who are dual-eligible with behavioral
10	health needs.
11	We are using integrated managed care
12	to cover 80 to 90 percent of the folks in a
13	completely integrated package of medical and
14	behavioral health services, and the duals are the
15	ones that really are still in this kind of
16	bifurcated model where the Medicare and the
17	Medicaid benefits around behavioral health are
18	really so different. And the providers have been
19	just kind of cobbling together benefits for these
20	clients as best as they can, and our inserting
21	the managed care plan really has not helped this
22	situation at all, just for those duals.

Neal R. Gross and Co., Inc. Washington DC

	с
1	And so I'm really resonating with that
2	thought about the folks who are not in the
3	demonstrations are the ones we really are going
4	to have to pay attention to, and for us right now
5	it's the folks with behavioral health needs.
6	CO-CHAIR MONSON: Yes, Charlie?
7	MEMBER LAKIN: Well, we could go
8	through this. We've focused on the dependent
9	variables. We could spend just as long talking
10	about the independent variables. And I think
11	those are discussions that are really important
12	as we move to some consensus that we might be
13	able to measure outcomes for people in the same
14	way despite very different characteristics. And
15	that becomes increasingly important I think when
16	we talk this way.
17	I'm struck having worked mostly in the
18	area of intellectual disability how we have never
19	come up with a better predictor of outcomes for
20	people than their level of intellectual
21	disability. And so often we just we're
22	satisfied with saying they have an intellectual

disability. That is really meaningless.

2	So at some point we really do need to
3	think about the independent variables that really
4	are important. And I just think it's going to be
5	increasingly important as we develop data systems
6	that encompass just more and more of these fields
7	that have lived in silos, need to try and get out
8	of their silos. But the characteristics of people
9	in a broadly framed disability community are
10	hugely different and we need to accompany our
11	consensus around the dependent variables with
12	some consensus about the independent variables, I
13	think.
14	CO-CHAIR MONSON: All right. Well, I
15	think that brings us to a close. I think it's
16	important for us to first of all thank CMS for
17	oh, did you want to
18	MEMBER LYTLE: I just wanted to say
19	thank you. Should I do that now?
20	CO-CHAIR MONSON: No, I was trying to
21	say thank you first.
22	(Laughter.)
	عد ا
----	---
1	MEMBER LYTLE: It's not fair.
2	(Laughter.)
3	CO-CHAIR MONSON: Go ahead.
4	MEMBER LYTLE: Well, I get to go
5	first. Thank you very much.
6	But I do want to thank the group again
7	for all your hard work over the years. I think
8	that many of the strides that we've made as an
9	office and an agency are in large part of your
10	contributions, and that we can't say that
11	enough. Even though I think some people said
12	this is their first meeting and they're new, that
13	is I know that feeling. And it's still
14	valuable because your work in the industry stands
15	for itself and still contributes to the ongoing
16	discussion about people who are Medicare and
17	Medicaid-eligible. And so we appreciate you and
18	we appreciate NQF for your work with the
19	workgroup over the years.
20	We aren't all happy and excited about
21	where we are right now in terms of not being able
22	to see you in a meeting again, but we are excited

i	
1	about the way the work is going to continue to
2	move forward, and hopefully we'll be able to have
3	these discussions again in another forum not too
4	long from now.
5	CO-CHAIR MONSON: And I was just
6	reminded we need to do public comment.
7	DR. ROILAND: Hi, Shawn. If you
8	wouldn't mind opening up the lines for public
9	comment?
10	OPERATOR: Okay. At this time if
11	you'd like to make a comment, please press star
12	then the number one.
13	(Pause.)
14	OPERATOR: And there are no public
15	comments at this time.
16	DR. ROILAND: Thank you.
17	CO-CHAIR MONSON: So I do think we
18	should thank CMS, because I think it was very
19	forward-looking to put this entire infrastructure
20	together and then to call out the duals in
21	particular and allow this group to do its work.
22	And that's no small measure to Stacey and all her

colleagues, because we do know that the MMCO is a 1 2 true partner and collaborator in improving the care and the lives of all dual-eligibles 3 4 regardless of their payer source. So thank you 5 for that. I think we should thank the NOF staff 6 who do so much work. 7 8 (Applause.) 9 CO-CHAIR MONSON: And it's kind of unbelievable, and we couldn't have done any of 10 this without them. And I think that we have left 11 12 ourselves -- while we are going on hiatus, we 13 have left ourselves I think with a very good 14 family of measures and a great starter set, 15 especially with the addition of the CAHPS 16 surveys. And so I think if part of our purpose is to make the world a little bit of a better 17 18 place, then we've accomplished that. 19 And thank you, everybody. Most of you 20 have been on this longer than I have, so thank 21 you to everyone who was doing this before some of 22 us newbies got on here, but it's been a pleasure

1 working with everybody and hopefully we will have 2 another opportunity to convene under a different banner. 3 So I think we are adjourned. 4 5 MS. JUNG: We need to --CO-CHAIR MONSON: 6 No? No. 7 (Simultaneous speaking.) 8 MS. JUNG: -- next steps. And we have 9 just --10 (Laughter.) 11 MS. JUNG: We just don't want to let 12 you guys go, yes. Just a few closing 13 housekeeping things. So in terms of -- we have taken 14 15 copious notes and have noted all of your concerns 16 and everything, and those will be summarized in 17 our -- in the report that will be finalized in 18 August, but before it is finalized it will go out 19 for a 30-day public comment period. That will be 20 from June to July. 21 There is our contact information. And 22 you guys have the slide deck that was also

	ے ا		
1	emailed to you. The project page is linked here		
2	as well as the Committee SharePoint page with the		
3	slides, family of measures, duals, Excel, agenda.		
4	All the meeting materials from today will be		
5	posted. And you will be receiving a very long		
6	email of the laundry list of resources and		
7	follow-up items that you have all requested.		
8	Listed also here is the project staff		
9	contact information. There's our inbox, which		
10	I'm sure you've received many emails from and the		
11	individual emails from our staff team.		
12	And we thank you for your patience		
13	with all the technical difficulties and		
14	everything, the clickers, and really appreciate		
15	your work. And turning it over to Debjani for a		
16	few closing remarks.		
17	MS. MUKHERJEE: So again, I would like		
18	to thank all of you, the longstanding and sort of		
19	the new members, and especially Michael for sort		
20	of shepherding us to the bittersweet end and sort		
21	of stepping in. For any workgroup committee to		
22	work really well, it's a lot on the chairs to		

sort of manage and sort of keep up with the flow and sort of manage the flow.

3	So thank you to the NQF staff, the
4	team, the duals team. I think a lot as you
5	can imagine, a lot of work has gone into this and
6	with the news a lot of sort of rejiggering the
7	different sort of aspects of the presentations
8	and things and that were all sort of done last
9	minute. So it takes a lot sort of from everybody
10	to sort of rally together and hope and to CMS
11	for allowing us to work with them for this long
12	and sort of in this capacity. I think it's been
13	very interesting.
14	And with that, I want to sort of wish
15	everybody a safe journey, safe travels. Clarke,
16	with his surgery and being in recovery coming
17	here, thank you.
18	And so with that, I think we're
19	officially adjourned.
20	(Whereupon, the above-entitled matter
21	went off the record at 4:13 p.m.)
22	

1

2

<u>A</u>			
a-half 164:6			
a-half-year 172:12 a.m 1:20 8:2 133:10,11			
AAA 270:5			
AARP 2:7			
abbreviate 133:21			
Abery 3:8 6:8 167:19			
168:5,8 169:2 176:12			
176:15,19 193:16			
197:5 198:4 200:5			
206:13 207:16,19			
216:16 219:4,13			
231:15 234:20 236:17			
ability 12:3 145:22			
able 14:3 22:1 26:16 31:11 32:5 55:7 67:4			
99:18 156:20 170:14			
177:17 192:5 193:17			
198:6 211:19 213:14			
227:8 229:17 235:20			
250:21 255:13 263:7			
268:20 274:21 278:19			
282:3 283:4 294:5			
307:18 314:6 321:5			
321:17 323:13 325:21			
326:2			
above-entitled 133:9			
167:14 237:1 330:20 absent 224:1			
absolutely 194:19			
229:18 267:18 281:21			
288:9			
abuse 35:8 43:22			
academic 198:21			
academically 198:17			
Academies 77:18			
Academy 16:15 47:17			
48:11 88:14 156:5			
164:13,19			
Academy's 47:5 48:15 61:6			
acceptability 222:9			
224:9,9			
acceptable 90:1			
accepted 164:19			
access 59:18 76:21			
85:20 262:6 276:10			
294:6			
accessible 13:5 83:20			
140:18 143:17 146:10			
147:7 252:11 254:8 257:5 275:22			
accessing 75:8,17 77:9			
153:4			
accidentally 246:16			
accommodated 274:13			
accommodates 93:7,8			

274:17 accommodations 93:5 accompanied 67:3 accompany 136:8 324:10 accomplished 311:6 327:18 accomplishing 316:13 account 39:6,12 162:3 accountability 15:18 80:1 120:10 175:2 184:20 191:13 192:21 234:3 296:5 accountable 232:15,16 232:19,20,21 233:1,4 233:6 249:5,6 268:18 293:2 302:9 accounted 151:19 241:6 accounting 5:15 19:19 47:7 155:11 accouterments 305:15 acculturation 84:9 accurate 81:11 314:10 accurately 314:13 achievable 319:19 achieve 106:21 235:20 achieved 313:5 achievement 27:5 achieving 28:5 ACL 197:11 ACO 37:13 **ACOs** 130:15,18 across-the-board 31:22 **ACS** 49:6 60:16 ACSW 2:19 act 15:13,15,22 31:4 35:20 57:6 61:20 162:9 255:13 257:7 321:1 acting 162:7 actionable 203:18 active 204:21 actively 138:10 activities 6:12 51:18,19 242:3 245:14 294:9 activity 21:5 184:4 186:19 263:22 actors 113:18 actual 64:22 77:8 113:4 147:15,18 Acute 12:2 **AD** 115:19 adapt 102:16 103:5,6 adapted 95:19 add 62:5 63:9 75:21 83:4 88:7 113:7 177:7

199:11 203:5 205:12 205:14 215:21 225:2 273:1 275:1 276:5 284:17 298:4,11 307:11 319:14 added 184:17 311:2 312:18 adding 60:12 99:14 125:12 205:15 298:15 addition 53:9 94:8,9 169:19 171:5 184:11 234:8 255:10 256:22 264:9 270:22 276:17 283:4 309:4,15,18 327:15 additional 10:9 28:3 30:4,9 51:5 59:16 61:9 62:1 141:14 142:2 180:4 185:1 203:6 204:9 206:20 212:11 219:8 234:13 256:6 299:22 Additionally 10:8,18 166:17 address 22:9 28:8 59:7 70:22 118:18 120:10 138:4 144:19.20 146:5 199:21 265:5 297:8 addressed 89:16 93:6 155:5 187:4 addresses 11:6 232:5 262:11 281:5 addressing 15:15 39:9 118:6 121:6 163:13 223:6 adequacy 155:9 adequate 24:12 147:16 222:22 adequately 80:11 91:15 93:18 152:17 154:16 155:5 194:4 adherence 46:7 90:6 adjourn 7:19 238:4 adjourned 328:4 330:19 Adjunct 3:9 6:9 adjust 22:12 38:17 97:13,19 136:14 155:15 259:15 adjusted 25:16 38:20 134:16 135:3,7 136:5 136:6,9,19 137:3,21 140:5 148:1 154:3 288:14 adjuster 151:17 160:1 226:11 228:7 229:15 288:11

adjusters 143:19 171:4 174:10 226:13,16,22 227:13,16 228:10,14 230:7,11,20 231:3,5 adjusting 40:1,22 adjustment 5:5 6:2 25:18 29:6 30:3 38:15 38:17 39:4 53:9,10 60:13 72:13 82:8 103:20 133:19 134:8 134:18 135:2,4,19,22 136:2,21 137:1,4 140:1 141:18 142:8 142:10,13,19 148:2 148:16 150:15,18,19 151:8,9 152:14 153:2 156:21 157:10 158:11 162:3 230:18 252:1 adjustments 30:13 135:10 136:13 ADLs 269:15 320:2 administer 212:21 252:20 253:20 administered 272:3 administering 170:7 253:20 271:14 282:8 315:21 administers 104:21 administration 93:6 102:13 220:6,13 224:8 251:8 258:14 273:1 278:10 295:5 administrations 277:3 administrator 176:16 administrators 175:17 admissions 31:17 37:15 50:13 ado 9:2 adopted 161:1 adrenaline 313:12 adults 9:10 92:1,2 278:22 280:14 advance 239:20 248:18 Advantage 18:5 20:15 21:14 29:4 40:7 85:3 advantages 65:19 302:3 advice 287:12 Advisor 3:14 5:6 advisory 216:10,12 230:16 advocacy 305:17 advocate 74:12 115:10 200:12 210:10 290:6 advocated 200:10 affect 67:5 Affiliated 2:4 60:6 affiliation 89:18,18,19

afraid 90:14 107:10,11 123:1,2 130:4,5 age 43:19 105:3 age-related 170:22 176:2 182:4 aged 55:16 aged-adults 250:7 ageing 112:12 115:20 agencies 18:10 85:4 101:14 102:15 124:3 126:13 127:16 128:8 278:14 321:3 agency 124:2 128:2 325:9 agenda 329:3 agent 274:4 aggregation 49:5 aging 102:15,18 170:4 184:7 290:2 303:13 ago 57:9 114:21 134:5 169:13 188:11 198:15 200:10 227:7 313:3 agree 67:21 72:21 73:2 73:18 88:13 109:17 110:15 124:19 148:21 198:13 288:4 306:6 314:21 agreement 180:17 234:5 315:2 Aquiar 2:4 60:4,5 313:19 ahead 158:13 167:7 182:1 212:9 221:8 222:3 271:13 274:15 290:13 322:3 325:3 AHRQ 145:9 **Aim** 36:19 aimed 254:3 AIR 238:20 246:2 alerts 253:19 Alice 2:11 100:11,13 132:21 308:11 310:22 312:10 321:21 align 89:7 277:16 aligns 11:13 276:3 alike 40:15 **ALINE** 2:9 Alison 2:7 118:1 124:21 152:5 155:12 306:4 all-cause 162:11,16 Alliance 2:5 37:20 68:15,17 90:19 119:21 allow 24:13 51:4 52:14 134:5 235:16 259:7 286:22 320:5 326:21 allowed 134:10,14 258:10,14 279:6

312:7 allowing 245:10 257:14 279:16 281:19 282:6 330.11 allows 254:9 alluded 54:17 173:11 234:4 alongside 226:18 aloud 166:20 alternate 254:13,19,21 255:1 297:14 alternative 38:8 299:6 Amanda 231:22 amazing 313:8,9 314:4 ambulatory 18:4 American 2:6,8 3:12,18 49:2,3,19 65:19 238:14 242:8 Americans 57:6 amount 72:3 112:15 235:8 313:9 Amy 221:1 231:20 analyses 17:11 18:11 35:1 49:14,20 51:22 65:13 140:13 141:14 142:9 144:9 157:7 213:21,21 250:11,15 259:14 261:1 264:19 analysis 16:13 32:15 33:3 41:16,18 51:15 56:16 58:5 92:6,8 93:14,20 135:11 173:15 188:4 194:10 196:18 197:19 211:22 213:20 217:4 221:11 238:22 249:4 275:1 Analyst 3:2 4:2 analysts 13:18 analytic 3:19 238:22 275:2 Analytics 3:13,20 239:4 analyze 170:14 199:5 analyzed 147:13 163:21 184:14 199:7 245:9 and/or 261:13 announcement 237:6 annual 48:22 68:17 answer 22:7 33:9 80:18 87:15 116:14 156:17 244:9 254:18 266:6 269:16 283:13 answered 252:19 253:1 answering 234:15 257:19 answers 251:5,7 anticipate 60:8,19 anybody 72:6 75:19 95:19 231:15 307:6

anyway 105:8 106:6 127:9,10 apart 137:2 190:2,18 apologies 143:10 246:8 apologize 164:9 248:7 248:16 appear 157:6 193:20,21 217:2 appearing 227:19 Applause 98:17 100:17 327:8 apples 38:9,9 applicable 231:12 315:6 316:7 317:15 317:20 application 59:4 272:4 Applications 1:8 96:7 applied 135:11 155:7 292:22 apply 313:15 317:9 320:10 appointment 90:7 appointments 263:4,6 294:7 appreciate 8:11 15:10 38:3 67:4 69:21 81:19 169:3 205:13 211:5 231:11 288:20 325:17 325:18 329:14 approach 29:8 38:14 40:5 41:2 77:12 91:13 97:10 122:11 148:12 149:2 216:8 235:13 254:14 281:16 295:16 318:22 approaches 102:21 220:3,16 286:5 316:21 appropriate 9:18 25:19 52:7 104:11 116:13 119:11 134:19 135:2 135:20 136:3 160:13 162:18 163:7 173:2 175:16 249:18 appropriately 9:11 92:5 253:1 Approval 150:4 approximately 169:12 244:7 April 141:5 243:8 area 38:3 49:6 57:18 64:3,15 65:2,6 66:1,4 68:1 71:15 77:21 84:22 90:5,12 92:7 107:5 112:10,13 118:13 120:21 121:2 146:14 147:1 162:22 172:22 183:11 185:13

186:11,11 190:21 197:12 224:3 235:10 239:16 266:2 296:15 323:18 areas 17:14 23:12 52:14 172:15 173:5 178:13 180:18,20 181:2,6 182:12 183:14,15 184:19 186:10 187:13 188:15 188:16 191:20 193:20 199:16 221:11 222:20 244:9 276:20 289:20 296:12 300:20 arena 59:3 227:22 arguing 145:18 Arguments 158:5 Arizona 243:11 armed 66:17,19 67:3 111:14 arrangement 274:20 arrives 263:8 ascertaining 174:3 askance 73:20 asked 63:12 83:3 112:13 117:6.18 135:20 139:3,7 140:3 140:6 141:6 196:18 213:11 235:15 256:7 274:19 284:12,13 299:21 304:8 asking 60:11 82:11 107:17 111:13 112:19 113:15 158:14 207:20 207:22 213:4.13 223:18 237:14 263:17 298:4,7 asks 254:19 255:3,20 262:13 264:1 **ASPE** 5:8,9 13:18,19 15:15 44:22 63:9 82:22 84:6,7,14 104:18 108:12 112:14 118:5 119:3 134:2 150:22 155:17 156:5 156:14 207:9 aspect 11:7 111:17 aspects 113:4 120:6 222:14 262:1 275:13 330:7 aspeimpactstudy@h... 51:7 aspersions 155:2 assent 251:1 259:2 assess 49:20 50:17,18 78:11 157:17 251:16 assessed 9:11 20:6 135:1

assessing 51:12 122:13 assessment 21:5 36:21 89:12 90:2 130:14 168:14 189:19 203:2 203:4 205:6 206:3 211:10 229:9,17 241:20 242:14 319:16 319:21 assessments 72:4 73:19 116:7 117:11 189:21 195:22 196:6 196:8 205:16 asset 73:8 assets 64:20 assigned 177:19 182:10 190:10,12 assist 277:18 assistance 27:12 132:11 171:7 231:17 250:2 255:17,21 260:1 279:2,17 294:13 assistant 2:13 3:14,15 4:2,3 5:6,7 264:16 294:20 assistants 265:16 assisted 272:10 279:6 280:9 associate 3:20 168:18 associated 57:3 123:9 138:9 association 2:4,6,9,10 2:11,20 52:22 60:6 143:20 assume 210:2 assuming 203:4,5 206:4 assumption 38:16 assurance 161:6 243:15 assured 161:4 atrocious 285:20 attach 98:2 153:8 attached 90:2 attempt 97:15 attempted 79:19 attempting 208:2 236:3 attend 108:5 attendant 79:20 261:13 attended 186:16 attention 200:20 204:13 281:6 322:5 323:4 attest 197:16 attracted 122:19 attribute 279:15 audience 231:16 audiences 228:13

August 328:18 authorities 58:21 59:5 automated 72:11 availability 61:9 143:8 143:14 available 42:15 43:7 46:15 61:3,12 67:22 71:8 75:1 82:18,18 95:18,19 97:20 104:4 109:22 110:1,17,21 111:10,11 140:17 143:18 144:2,4,11 145:8 146:15,16,20 172:5 186:7 193:14 197:16 240:6 242:12 244:8 284:15 average 29:21 43:18 182:9 183:1,7 251:8 aware 32:22 128:10 281:7 292:10 aways 187:11 Awesome 311:4 В **b** 28:13 45:2,11 46:18 46:21 60:8 64:4 156:11 157:4 195:22 202:12 212:20 260:2 back 29:10 33:7 35:22 44:11.21 54:1.19 55:13 71:5 97:4,7 98:22 106:15 109:6 111:17 113:22 124:20 125:22 126:6 127:8 133:8 134:17 138:19 139:21 141:11 142:1 147:20 149:21 150:8 164:2 165:5,22 167:11 201:2 202:20 212:17 216:22 230:5 236:22 237:5 246:16 247:2 261:1 288:2 291:13 293:15 299:22 311:20 313:2,3,14 backdrop 35:11 background 16:17 52:4 134:1 148:13 backside 75:16 backwards 314:22 **bad** 305:20

bag 33:19

bake 136:20

110:12

ball 81:3

baked 151:16

Baker 2:5 77:2,2 78:13

balance 62:16 88:10

balancing 61:19

ban 134:14 139:21 banner 328:3 barriers 69:14 220:19 bars 20:17 21:2 Base 171:15 based 5:10 7:7 29:6 30:13 32:15 57:13 83:12 86:10 138:22 169:5 182:7 201:9 209:5 221:10 222:18 224:21 230:21 235:14 249:17 271:1 302:17 304:5,21 307:3 basic 179:21 225:17 basically 82:11,21 136:20 137:4 144:6 178:1 179:19 180:22 188:10 208:12 219:19 293:1 basing 201:15 basis 29:4 110:21 114:5 135:8,21 137:21 142:8 143:21 148:8 161:16 209:19 253:8 254:4 bathe 255:21 bathing 255:16 261:18 295:3 **baton** 15:5 bear 205:20 206:6 **beat** 116:6 **bed** 301:21 began 134:5 169:12 244:18 257:14 beginning 109:20 174:18 201:2 241:17 245:16 293:16 294:2 behalf 257:7 260:4 288:13 317:1 behavior 227:18 265:16 266.11 behavioral 3:19 27:18 261:13 264:16 265:20 265:21 266:7 268:7 269:13,14 270:17 294:13,20 322:9,14 322:17 323:5 believe 104:1 129:11 145:15 161:9 235:13 240:11 287:21 293:14 300:10 belongs 269:21 benchmarks 278:13 beneficiaries 1:9 18:22 19:17 20:8 23:16 24:9 25:9,13 27:1,6,15,16 28:5 45:17,20 46:4.14 47:11 49:1,10 50:9

53:13.17 60:19 61:4 61:17 77:5 93:10,10 243:1,21 252:7,11 259:7,21 260:1,3 261:2 276:1 277:14 288:7 beneficiary 6:16 7:8 19:19 20:1 47:2 48:21 50:2,18 51:17 64:18 249:19 251:4,7 254:4 256:5 257:8 259:3 261:18 262:4,13,21 263:1,5,7,13 264:2,4 277:8 288:13 304:4 beneficiary's 263:16 beneficiary-experien... 243:16 beneficiary-involved 244:12 beneficiary-reported 249:2 benefit 84:21,22 104:14 benefits 322:17,19 best 27:21 38:8 40:5 77:19 78:21 111:10 112:19 160:4 197:15 212:4,8,14 213:14 218:4 261:3 304:12 305:13 307:16 322:20 Beth 3:13 169:22 268:16 271:21 272:1 bets 320:9 better 26:14,22 32:20 34:15 40:13 53:21 56:9 61:12.21 75:10 75:11 79:13 100:3 106:5 118:10 134:1 145:3 185:22 194:20 212:6 232:12 284:1 297:15,15,16,20 298:1 300:8 315:8 320:5 323:19 327:17 betting 56:1 beyond 97:22 128:3,7 217:17 bias 23:19 46:8 240:18 bifurcated 322:16 big 24:8 25:11 28:10 31:16 46:18 61:16 62:19 101:15 105:14 141:19 189:12,16 205:5 225:21 226:1 230:14,18 266:2 267:6 273:18 290:4 305:3 306:1 bigger 62:21 biggest 71:21 129:3 **billion** 241:7

bin 271:13 **bit** 14:18 29:10 33:19 40:10,13 53:5 54:1 55:12 56:8 64:17 103:14 112:12 116:2 134:21 169:15 174:8 201:3 207:18 219:5 225:1 227:5 228:9 232:22 272:2 278:16 293:15 295:8 327:17 bittersweet 329:20 **black** 17:14 blank 315:10 block 49:7,7 145:5 286:1,6 blood 20:19 **blunt** 147:17 **BMI** 21:5 board 19:10 41:2 97:7 141:21 150:6 216:10 216:12 230:16 258:4 **bonus** 21:16,18 29:10 29:16,22 30:4,5,6,9 167:10 **bonuses** 30:13 bottom 22:20 79:18 279:11 box 166:19 308:13 314:7 boxes 18:1 bracketed 253:19 brain 170:21 175:22 244:3 279:3,14 280:3 280:15 break 5:21 6:20 133:7 137:2,9 165:9 236:21 breakdown 227:10 breaking 165:7 breakthrough 35:21 Brian 3:8 6:8 168:3,5,8 176:4 192:10 194:9 204:18 209:1 211:8 Brian's 199:11 brief 15:1,3 41:8 240:9 244:7 260:9 262:5 275:12 292:17 briefly 13:15 54:17 168:8 226:8 240:7 Brigham 13:17 bring 25:4 91:1 134:6 134:15 142:1 149:5 149:21 157:22 281:5 299:22 302:6 Bringewatt 2:5 37:19 37:20 41:7 42:14 43:4 68:14,15 90:19 109:17 119:16 154:7 161:12

bringing 31:7 104:2 166:8 223:2 brings 324:15 broad 45:16 77:5 105:14 173:12 177:8 228:11,12 243:21 275:18 broader 51:9 76:10 79:5 92:5 104:15 191:20 broadly 60:10,18 324:9 broken 102:4 brought 106:15 138:5 316:19 brows 215:16 **BSN** 2:11 Buchanan 3:2 5:3 9:4,5 13:13 14:6,8,10 166:15 167:5 168:2,7 237:4,20 309:9,11 310:21 bucket 25:12 buddy 89:6,10 **BUHR** 2:6 build 46:21 73:17 115:5 124:9 234:20 236:5 building 33:3 90:9 228:5 builds 302:12 built 21:19 33:17,21 84:6 226:6 **bullet** 24:10,18 27:2 30:20 32:6 143:9 **bullet's** 146:3 Bullets 27:11 **bully** 129:19 130:2 bummer 127:1 **bunch** 54:6 81:9 105:15 130:6 195:20 burden 32:3 61:17 62:2 113:17 205:17 206:6 223:7 285:10 burdensome 62:11,14 bureaucrat 322:8 burning 44:16 288:16 business 132:19 buy 203:10 214:1 С **C** 5:1 35:22 36:6 156:11 212:21

212:21 C-statistic 151:7 CAHPS 7:12 8:21 85:20 116:1 237:9 238:15 238:16,17,17,18,18 238:21 239:1,6,13 240:1,3,14 242:10 243:14 244:10 245:12

249:10 250:16 254:15 255:3 257:4 258:15 259:20 260:11,13,16 264:12 267:4,6 271:8 272:22 275:15,15 276:3,14,14 281:15 281:20 282:15,17 283:7,14,16,22 284:18 285:1,3 286:1 286:4,5 289:17 290:12 295:13,20 298:20 305:12 306:17 309:3 310:16 327:15 calculate 136:4 137:6 calculated 295:22 calculation 136:20 calculations 152:4 Caldwell 170:3 200:19 290.3 California 85:10 304:15 California-San 170:2 call 45:11 108:2 137:19 148:11 246:16 268:20 283:11 300:1 301:17 302:11 326:20 called 57:12 97:20 146:13 176:21 186:19 271:3 calling 246:15 calls 148:22 cancer 31:12 101:15 228:6,6 238:18 capabilities 31:10,10 capacity 199:21 330:12 **CAPI** 272:9 273:8,8 301:18 302:4 capital 83:7 85:17 89:2 89:11 90:9 capitalize 139:1 caps 62:7 capture 84:20 152:17 204:19 210:9 captured 84:14 153:1 capturing 146:3 cardiologist 13:16 cardiology 101:19 care 7:1 8:21 9:18 10:1 10:2,3,22 11:7 12:6 12:19 15:14 22:21 27:19 36:9 37:14 39:7 69:4,17 70:4 75:22 87:2 89:16 90:7 116:18 120:8 121:9 123:10 128:8 130:14 134:11 140:10 142:21 176:14 206:12 239:5 240:21,21 241:15 242:6 244:14 249:9

249:13 261:12 267:7 270:16 271:3 274:1,2 279:2 295:13 296:1 302:16 303:9 311:10 311:13 317:17 318:20 322:11,21 327:3 careful 130:18 162:7,9 carefully 262:4 caregiver 143:7 191:17 191:17 206:7 caregiver's 143:1 CareGivers 2:15 caring 27:9 carry 103:10 108:9 case 19:20 36:20 87:9 152:18 220:2 252:1 262:9,12 264:17 266:21,22 267:7,11 268:4,6,11,12,15,20 269:1,4,10 270:4,5,5 270:9,11,14,21 271:1 271:2 278:14 284:20 288:11 291:2 294:4 294:15,22 301:6 306:19 307:15 319:11 cases 197:15 208:2 cast 155:1 228:12 cataloging 188:13 190:3 catch 8:8 117:1 176:12 categories 43:12 84:15 91:20 227:16 253:15 255:4 categorizing 88:16 category 35:8,9 83:5 228:2 CATI 272:8 273:8,8 301:18 302:4 cause 276:22 caused 30:22 causes 22:9 causing 99:5 cautious 158:6 162:7 caveats 79:20 cell 93:11 cells 75:2 census 49:7,7 65:17 85:6 97:8,9 107:14 109:6 144:12 145:5 145:18 147:6 Centene 2:3 73:16 176:6 202:1 center 2:5 3:16,21 7:2 25:4 77:3 168:10 169:5,16 170:11 171:14 178:19 200:4 201:4 207:4 221:1,2 233:15,19 234:17

235:1 304:15 centered 235:19 292:7 centeredness 275:17 central 64:11 135:6 Century 31:3 certain 38:11,12 79:16 121:11 160:1 204:5 216:7 258:20 320:2 certainly 15:16 22:8,20 23:17 24:21 31:16 33:7 42:10 55:9 66:11 76:19 77:21 89:2,5 90:5 111:13 119:7 124:18 153:12 154:1 184:14 205:8 313:13 cetera 16:11 121:12 chair 2:2,3 98:14 chairs 290:3 329:22 challenges 7:6 46:7 176:1 220:15 252:8 296:3 297:9 305:2 challenging 46:11 144:8 165:16 297:4 chance 15:7 17:1 52:21 70:22 change 11:17,17 12:1,1 12:5 28:1 61:15 80:12 139:20 142:12 174:4 225:16 226:4 271:15 changes 5:4 7:10 9:7 262:14 277:4 changing 9:17 chapter 17:3 40:7 43:1 43:2 characteristic 108:4 characteristics 108:8 108:10 109:1 188:21 189:2 190:9 230:10 323:14 324:8 charge 11:14 135:17 157:9 211:11 212:3 charged 15:15 138:7 142:15 233:14 Charlie 2:10 109:18 110:15 118:2 124:19 147:18 290:21 323:6 Charlie's 8:19 112:7 126:4 chart 192:22 charts 196:3 chat 166:19,19 308:12 308:13 chatting 167:22 **Chetty** 64:9 Chicago 66:16 67:8 **Child** 3:10 6:9 chime 290:12 **Chin** 1:21 2:2 35:5 52:2

52:3 98:18 100:10 choice 126:17 175:3 181:7,20 182:5,15 184:19 186:4 192:17 195:10,11 201:13 202:10 211:20 213:10 279:22 choices 186:7 choose 159:22 279:4 294:5 chooses 91:13 choosing 262:18 280:1 chosen 142:14 **Christine** 2:4 60:5 chronic 70:7 227:17 228:3 circle 71:5 citations 57:8,16 Citizens 2:17 56:11 196:15 290:1 claims 26:17 48:20 50:11 65:19 66:12,19 67:16,17 68:1 72:20 118:21 144:17 145:10 145:14 claims-based 50:12 61:2 217:17 clarification 212:11 clarify 43:11 143:22 291:16 298:4 **clarity** 293:4 Clarke 2:17 32:8 35:7 43:13 56:10 85:14 101:1 106:12 196:14 200:8 209:21 227:21 288:15 303:11 305:11 330:15 Clarke's 109:9 clear 115:8 135:4 143:20 156:13 162:10 231:8 234:22 267:16 269:6 304:3 307:8 318:16 321:17 clearly 206:15 clickers 248:4 308:17 329:14 clients 72:2 322:20 clinical 24:5 46:12 80:9 101:18 134:10 149:2 151:15,19 266:12 clinician 153:4 clinician's 97:1 clinicians 78:22 135:13 152:19 **Clint** 130:22 **close** 42:11 149:8 189:11 215:11 324:15 **closely** 42:9 173:22

200:19 206:16 210:1 211:9 234:2 closing 328:12 329:16 clusters 35:10 CM 127:17 CMCS 127:17 **CMD** 2:6 CMS 2:12 5:20 41:3 57:9 60:9,11,20 82:14 86:2,12 91:9 99:21 103:19 104:21 120:20 127:16 129:12,20 130:5 131:14,21 153:5 156:6 164:2 221:19 225:19 230:22 238:8 241:18 258:14 276:9 281:9,17 282:18 289:19 311:20 312:3 316:4 324:16 326:18 330:10 CMS's 277:17 co-2:2,3 98:13 274:3 Co-Chairs 1:21 co-director 168:9,13 231:21 co-occurring 59:3 102:8 coalition 56:13 101:13 coast 178:11 **cobbling** 322:19 **code** 64:7 92:9,11 98:4 105:6 107:15 111:4 118:9 124:21 125:1 125:13,13 143:16 144:2,3,4,7,16 145:5 145:14 146:6,12 147:6 190:4 227:8 coded 189:22 190:16 192:15 195:2 196:10 196:16 199:7 215:1 codes 66:15,21,22 67:8 118:16 119:2 190:11 192:16 coding 189:11 190:7,11 191:9 227:6 cognitive 13:6 104:12 223:12,15 244:22 250:19 252:8,17 254:5 267:22 272:19 cognitively 44:10 cognizant 131:17 cohesion 68:5 collaborate 226:6 collaboration 226:7 242:16 Collaborative 290:2 303:14 collaborator 327:2

colleague 168:17 188:2 colleagues 71:14 173:22 218:18 221:15 231:22 239:17 312:19 327:1 collect 60:9,14,18 62:15 83:2,2 88:21 96:21 97:16 113:9 116:9.20 117:3 170:14 178:6 223:19 251:21 collected 58:15 61:14 72:4 96:22 97:1,7 106:7 114:9 collecting 62:2 66:1 113:9 184:12 collection 24:12 32:3,3 61:17 62:17 158:14 226:2 258:11 color 194:20 Colorado 243:11 colors 194:18 column 279:12 combination 222:19 combine 194:8 come 8:12 48:5 62:9 63:18 79:11 96:9.11 96:20 113:13 119:9 125:22 126:13 127:8 132:1,10,14 138:18 141:3 142:7 158:11 161:10 178:16 199:16 205:1 235:11 261:15 283:20 301:16 316:12 323:19 comes 42:17 55:12 206:7,11 comfort 103:3 comfortable 298:2 comforted 312:17 comforting 107:19 coming 94:10 97:6 158:12,19 159:2 215:7 269:14,22 330:16 comment 6:5 7:14 37:8 39:17 53:14 55:14 70:19 166:14,22 238:4 286:21 300:1 315:12 316:6 326:6,9 326:11 328:19 commentary 290:19 292:9 comments 10:14 13:11 41:20 51:9 75:20 165:19 167:3 218:12 231:9 287:1 288:17 290:16 291:19 326:15

commitment 108:12 124:5 commitments 124:17 committed 122:12 132:3,19 committee 17:9 57:15 61:7 80:22 98:12 102:4 133:18 138:6 139:4,10 141:11 148:6 149:19 150:4 157:20 158:1 163:20 164:10,12,18 165:11 166:9 209:18 236:12 266:14 292:5,17,20 295:19 296:14,18 297:3,7,13 299:21 300:3 304:17 307:21 329:2.21 committees 135:15,20 140:4 141:6 148:15 148:20 **common** 36:5 53:12 117:6,8,10,11 130:3 158:3 249:22 319:16 319:20,20,21,22 320:4.18.19.20 321:4 321:7 Commonwealth 126:21 communicate 261:22 294:4 communication 85:16 96:3 128:1 237:21 257:21 280:8 communities 52:14 76:14 79:16 87:7 community 2:4 3:9,21 6:8 11:11,13 26:8 46:12 48:3 49:2,4,19 50:1 56:17,19,22,22 58:1,1,4 60:6 64:10 65:20 68:2,6 76:16 77:8 78:22 79:1 80:9 83:9 85:6,11 88:1 95:5 102:13 111:16 118:6 126:12 143:6 152:1 168:12,19 169:5,20 172:1 174:11 175:3 181:9 183:22 184:19 185:6 185:10,15,19,20 186:1,18,19 192:16 195:1,3 199:17 204:18,22 212:14,18 232:2 238:10 241:13 249:17 250:6 264:1,5 271:1 290:7 302:17 304:4,21 305:18 307:3,17 324:9

community- 57:12 community-based 7:12 57:10,15 72:2,8 75:3 76:14 235:4 239:13 240:2 241:11,21 273:22 290:6 309:3 310:17 316:17 comorbid 33:12 comorbidity 70:8 121:12 compare 38:9 66:22 160:13 307:4 compared 22:2 105:16 105:17 124:22 184:7 280:13 287:10 **comparing** 19:6 66:3 159:16 278:3 314:12 **comparison** 38:10,19 39:3 comparisons 180:12 249:11 277:9 compilation 312:17 compiled 105:17 218:15 complete 279:7 280:13 315:2 completed 13:20 199:12 243:20 259:13 259:17 260:3 280:16 completely 83:16 283:10 322:13 completing 143:2 199:13 257:17 259:22 260:2 complex 26:3 29:8 73:3 87:3,10,13 88:10 complexity 39:7 55:22 70:4 121:10 compliance 23:15 277:18 complicated 19:14,22 64:17 65:9 72:21 272:11 322:7 complicating 56:15 component 239:5 242:3,6 components 220:12 242:2 composite 43:5 251:11 251:15 261:11,21 262:11,18 263:4,12 263:22 264:10,21 291:3 composites 260:22 261:3,5 comprehensive 73:19 116:6 comprise 208:14

comprised 35:9 computational 146:7 146:21 computer- 95:18 272:9 computer-assisted 272:4,8 computers 93:11 147:3 Con 290:13 concentrations 69:3 concept 211:17 212:5,8 213:8,17,22 214:21 301:20 concepts 201:8 204:6 211:14 214:20 215:3 216:15 222:22 224:21 225:1,5 226:4 233:21 conceptual 47:4 135:8 135:21 140:6 142:7 143:21 198:21 conceptualize 212:7 213:7 conceptualized 173:9 conceptually 147:2 concern 10:17,18 12:21 61:16 138:4 285:7 300:13 301:9 concerned 9:14 12:22 36:11 215:18 287:15 303:17 305:2 318:17 concerns 111:22 136:11 147:12 151:14 187:3 224:7 299:8.11 299:16 300:22 315:2 318:1 328:15 concluded 164:14 concludes 42:7 conclusion 139:9 condition 141:13,22 conditions 48:12 70:7 92:3 129:4 227:18 conduct 220:1 conducted 178:11 205:16 213:19 242:20 254:6 conducting 82:15 Conference 1:19 confidence 252:15 confident 78:10 confidently 211:18 conflict 133:4 confounded 87:4 confused 207:10 confusion 30:22 congregate 123:10 **Congress** 13:20 46:22 congressional 301:5 connect 52:22 connect-in 246:7

connected 122:21 123:3 166:18 Connecticut 243:10 278:12 279:10,13 280:6 Connecticut's 279:20 connections 232:2 connectiveness 112:5 cons 40:1.1 consensus 150:4 323:12 324:11,12 consent 259:3 consequence 20:3 consider 60:12 135:20 140:4 141:7 161:15 234:7 275:14 288:22 321:15 consideration 88:19 161:14 205:9,13 considerations 24:5 considered 32:14 140:7 179:22 293:12 considering 228:20 consist 262:19 263:4 consistency 213:20 222:14 consistent 19:8 21:9 236:4 consistently 17:11,17 91:11 consisting 173:10 consortium 2:17 56:11 132:7 196:14 250:16 290:1 constantly 109:21 constitute 211:16 constrained 119:3 constraints 318:1 construct 70:10 211:17 212:5 213:9,15 214:11 **constructed** 144:5,12 146:19 constructs 217:1 244:19 262:15 264:7 consult 208:18 209:19 consultants 91:7 consultation 153:11 consulting 3:19 210:1 consumer 181:8 191:18 192:20 271:8 consumers 98:22 296:15 contact 51:6 123:3 215:5,12 231:20 328:21 329:9 contacts 59:8 contained 91:4

content 109:6 130:7.8 169:18 171:12 223:12 **context** 16:14,17 44:5 47:21 48:3 56:19 58:4 68:3,11 71:12 76:13 76:22 78:9,12 83:9 85:6,11 118:6 202:4 211:2 228:9 contexts 78:8 171:3 173.3 Continuation 7:11 continue 26:8 44:22 63:17 82:8 100:22,22 126:3 157:20 236:10 245:15 246:3 315:14 315:22 326:1 continued 8:11 244:22 continues 42:6 124:13 252:20 319:12 Continuing 10:1,3 contract 19:7 37:13 317:22 contractors 281:4 contracts 21:14,21 29:6 29:11 31:20 40:11 contribute 23:17 114:15 contributed 242:9 contributes 325:15 contribution 98:21 contributions 99:2,16 325:10 control 20:20 31:14 37:11,17 83:22 159:21 175:3 181:7 181:20 182:15 184:19 186:4 192:17 195:10 195:11 201:13 202:10 convene 328:2 convenient 17:9 conventions 253:10 conversation 22:17 23:8 26:6 32:6 100:20 113:7 142:5 143:12 150:14 157:20 166:3 217:11 219:2 312:13 322:4 convey 277:12 conveys 193:5 convince 103:2 200:13 coordination 2:13 6:8 27:19 127:18 267:7 coordinator 3:8 271:3 coordinators 218:19 copies 91:1 copious 328:15 Core 57:20 58:17 85:13 102:5,5,14,21 103:12

112:3 114:17 189:13 193:10 **CoreQ** 12:10,11,12 **Coretta** 3:17 238:19 239:19 260:5 265:9 287:19 corollary 52:7 **Corporation** 2:3 **corral** 42:2 correct 112:9 132:22 229:19 correctly 307:19 correlated 55:17 correspond 208:1 **Corrigan** 170:2 cost 28:4,4 30:1 117:21 129:5 141:11 206:10 276:10 cost-efficient 112:20 cost/high 29:21,21 costs 50:14 coughing 99:4 council 101:11,12 170:4 199:3 210:3 counseled 272:16 counter 210:12 counties 196:19 198:19 country 175:10 180:1 194:13 207:7 225:10 283:6 counts 125:7 county 85:5 146:11,15 270:10 couple 31:1 35:10 38:4 40:2 41:6 54:7 96:16 111:1 131:8 161:13 162:12 198:18 221:9 221:21 233:12 281:14 course 19:13 22:4 32:4 36:10 61:3 62:2 73:7 129:10 150:10 170:8 178:3 191:3 222:9 225:20 276:21 282:5 314:19 316:3,16 317:21 **court** 57:5 274:10 courtesy 262:3 cousins 121:16 **cover** 47:15 191:12 195:2,12 219:3 225:17 227:17 239:21 282:14 303:7 322:12 coverage 190:21 191:20 193:1,13 194:11,20 195:6 196:10 204:16 covered 134:1 153:1 192:19

covering 191:4,16,18 194:4 204:5 covers 208:4 **CPA** 127:5 CQL 210:13 221:4 225:22 crack 53:4 crappy 78:18 crazy 78:15 create 94:2 123:21 126:6 129:13 130:12 131:2 158:16 172:17 293:21 created 10:4 129:13 298:9 creates 89:3 creating 27:3 209:15 creative 30:12 crime 68:3 criteria 61:11 72:7 110:22 221:20 222:4 225:17,19 230:22 296:22 criterias 233:2 criterion 134:8 critical 175:8 179:8 199:16 216:14 231:10 243:14 245:20 307:18 **criticize** 102:20 cross 130:9 crosscutting 139:7 crossing 75:6 crossover 131:3 **crosswalk** 112:16 **CUELLAR** 2:7 28:18 30:15 63:22 65:12 66:7 88:13 96:2,13,18 118:3 125:8 137:18 143:22 144:10,18,22 145:4,13,17 146:2,18 147:10 152:7,13 155:13 159:3 306:5 cultural 47:21 52:11 185:9 culture 95:5 Cures 31:3 current 6:12 29:15 30:11 31:22 48:21 51:17 61:8 84:18 172:4 173:16 179:6 186:8 208:20 230:5 239:4 315:5 currently 13:22 17:20 20:5 43:8 46:15 58:11 102:1 143:18 172:9 185:16 186:16,17 192:1 196:16,20 198:19 207:5 208:10

220:17 222:20 225:8 227:2 235:7 currently-coded 199:4 curse 263:18 customize 269:9 cut 178:6,17 223:17 235:2 236:1 274:11 298:22 cut-off 21:18 cycle 201:21 221:22 D **D** 156:11 D-105:15 D-SNP 271:2 317:9 **D-SNPs** 316:7,13 317:1 318:17 D.C 1:20 56:12 D.E.B 2:13 32:11 152:6 207:8 209:1 212:10 232:7,8 272:2 281:1 301:10 daily 51:18,19 dam 36:7 danger 129:10 darker 194:20 dashboard 192:12 193:15 196:8 204:14 data-based 49:18 50:11 database 98:3.5 146:13 192:2,4,13 date 59:16 140:21 142:17 278:20 281:4 daughter 127:5 day 5:2 7:10 8:10 37:5 238:4 272:2 303:4 307:14 days 36:14,15 43:15 214:19 227:7 317:14 **DD** 59:1 dead 104:9 deal 110:20 130:16,17 302:4 dealing 9:19 58:2 90:21 91:7 149:11 162:2 dealt 199:8 death 305:22 Deb 127:14 128:3 debate 113:12 306:18 313:4,11,15 debilitating 122:20 228:4,4 Debjani 3:3 5:12 82:7 329:15 decades 162:2 decide 258:18 decided 10:11 11:4,20 12:6,9 296:18

decides 303:10 decision 57:5 156:1 160:5 161:18 287:13 decision-making 176:22 201:13 211:20 213:10 decisions 42:7 148:19 259:9 deck 328:22 deemed 251:13 deeper 16:16 67:19 80:13 119:5 235:17 deferring 64:4 define 48:13 163:15 267:11 310:1 defined 154:10 defining 16:14 83:13 164:4 definitely 53:18 54:2 61:19 68:7 70:19 71:3 71:13 100:5 128:12 270:11 284:4 definition 83:12 114:1 157:14 266:3 268:6 definitional 200:17 definitions 181:1 266:18 degree 180:17 220:13 235:19 delighted 239:16 delivered 241:15 **delivery** 67:6 174:22 181:10 183:4 demand 129:14 demo 304:19 demographic 133:20 190:12 251:22 demonstrate 217:5 demonstrated 162:1 300:5 demonstrating 55:15 143:19 278:1 demonstration 238:8,9 241:19 demonstrations 27:13 306:7 318:14 319:1 323:3 demos 304:10 depend 156:21 160:10 dependent 39:1 229:3 323:8 324:11 depending 271:11 depends 66:5 depicted 250:17 deployed 28:8 depressed 67:10 deprivation 23:13 48:4 65:5 84:22

depth 218:21 **Deputy** 3:14 5:6 derived 185:3 240:4 242:21 260:10 295:12 295:14.17 describe 109:15 261:6 described 47:1 251:11 describing 194:9 deserve 308:7 design 180:11 276:2 designed 10:6 102:6 175:8 243:20 252:9 253:13 257:5 272:7,8 275:22 308:5 desirable 156:17 desire 235:21 272:12 315:1 317:18 desktops 292:14 despite 323:14 detail 42:21 59:12 65:21 72:9 190:15 227:1 detailed 42:22 71:22 252:6 details 20:11 78:11 134:4 287:21 determinant 161:2 determinants 8:22 38:18 41:11 90:22 91:8 determine 25:18 26:9 50:2 135:1,18 141:14 142:3 148:20 177:18 213:18 245:9 276:22 297:14 determined 136:2 254:7 determining 150:6 224:8,12 develop 31:9 87:12 103:5 138:8 208:3 215:8 221:18 222:7 222:18 223:16 324:5 developed 43:12 87:20 89:15 102:13 174:6 176:20 179:18 187:11 189:19 197:12 198:18 208:8 239:7 249:10 255:7,9 295:22 314:11 developer 87:19 121:22 131:15 140:14 161:4 197:19 211:1 261:1 293:3 296:8 297:8 299:22 **developers** 5:18,20 41:10 86:8 90:21 91:11 93:16 98:6

103:2 113:22 117:16 132:5 134:6,10,14 141:13 142:1,14 143:15 145:8 147:13 147:21 148:3,12,15 151:6,15 152:3 158:4 161:20 185:8 187:5 211:10 215:5 217:20 217:22 244:13 297:14 developing 6:13 89:11 171:14 192:1,7 204:9 206:20 207:10 233:16 233:20 238:15 244:17 314:2 development 3:10 6:9 6:12 7:4 26:8 41:22 87:6 88:9 93:14 103:10 131:15,16 132:8,10,13 161:5 171:2,5 172:12,14 174:1 181:8 188:1 191:19 206:17 209:13 221:13,19 239:22 240:9 241:17 244:10 244:11,16,21 249:16 268:17 developmental 58:20 59:5 102:7 112:11 123:18 170:20 175:21 184:6 240:22 244:3 254:12 256:21 287:17 deviance 52:12 55:21 diabetes 20:19 31:14 228:5 321:10 diagnosis 228:2 diagram 244:15 diagrams 204:14 dialysis 18:8 differed 180:19 difference 21:6 40:19 105:20 108:6 136:17 137:5 321:8 differences 21:1 22:7,8 26:9,15 29:9 105:19 157:6 163:6 179:2 180:4 181:15 182:3 183:17 194:15 220:17 different 18:19 25:17 32:16 33:20 34:6 38:15 39:15,15 49:5 50:3 52:13 55:14 61:7 61:10 62:17 64:12 66:4 70:9 71:3,13 78:8 79:14,15 91:20 94:15,21 103:6 107:2 109:10 114:5 117:7 117:12 122:11 126:12 127:16 132:18 146:22

151:1.6 153:5 157:3 165:17 173:10 188:21 189:14,18,21 190:8,8 190:10,16 193:7 194:12,21 202:15,15 212:5 221:7 223:17 225:6 226:11,12 227:8 234:5 235:3,11 236:2 242:3 257:1,2 260:21 264:14 265:17 275:21 277:10 278:9 280:19 281:5,14 282:2 283:17 284:13 286:2,7 295:21 299:1 317:22 322:18 323:14 324:10 328:2 330:7 differentiate 32:18 213:22 297:16 differentiated 211:17 differentiating 208:13 233:8 differentiation 234:12 differing 234:3 difficult 68:12 157:13 202:17 203:7 271:10 271:19 306:6 difficulties 247:13 248:1 329:13 difficultly 37:3 difficulty 69:7 254:17 diq 44:11 46:18 92:10 119:5,5 288:2 digit 118:9 143:16 147:6 diaits 145:19 dilemma 109:19 dilemmas 88:7 dimensions 56:18 57:12 direct 35:15 202:20 219:7 directing 183:3,3 direction 183:7 238:2 directions 122:11 165:17 directly 42:17 190:13 director 3:3,4,13,20 239:3 directors 2:6,11 133:16 141:21 directs 304:14 disabilities 2:18 32:19 43:20 56:12 57:6 92:2 94:15 102:7 115:19 115:20 123:18 170:20 170:21 175:13,15,21 175:22 176:1,2 181:22 182:4,17,20

(202) 234-4433

183:6,11 184:6,7 185:11 186:5,22 196:15 241:1 254:12 275:19 277:11 279:1 287:17 290:1 disability 17:16 26:13 33:12,16 48:11 50:10 56:13,17,21 57:18 58:1,20 59:5,18 70:9 85:18 89:8 92:19 94:10 95:7 102:15 112:11,13 121:11,12 126:12 164:12,14,21 164:22 175:14,19 178:14 179:3 180:1 180:10 182:6,19 188:15 204:22 205:6 227:17 229:2 244:2,3 249:19 256:17,21 290:2 303:13 323:18 323:21 324:1,9 disabled 29:7,12 72:7 92:1 102:17 238:9 disadvantaged 55:6 286:18.19 disagree 148:21 156:8 disappointed 63:20 161:17 164:13,18 disappointing 118:22 discharge 10:2 11:11 12:10 143:5 disclose 133:3.5 disclosure 301:12 disclosures 133:4 discrimination 46:8 225:16 discuss 5:15 6:13 7:6 30:16 177:13 182:16 discussed 9:16 10:5,9 12:5 165:2 178:8 285:4 discussing 185:14 242:12 discussion 5:17.19 12:2 22:15 38:6 51:4 51:10 82:8 106:14,14 119:17 122:1,2 125:18.20 131:7 161:16 165:14 177:6 283:15 294:16 319:9 325:16 discussions 51:1 323:11 326:3 disease 21:2 disparities 6:1,1 24:17 28:2 30:18 61:21 64:9 66:3 133:17 136:14 138:5,6,11,17 139:3,8

148:5 149:18 157:22 164:10,18 166:4,9 disparity 65:6 disproportion 74:16 disproportionately 19:16 25:8 80:6 disrupt 125:16 disruption 99:5 dissatisfaction 129:4 dissemination 93:19 dissertation 88:3 distill 54:8 distinction 274:18 distinguish 259:21 distinguishes 243:19 distributed 194:1 distributing 177:4 distribution 54:18 93:20 dive 16:17 235:17 diverse 93:9 diversify 127:5,9 131:8 131:13 diversity 95:8 185:9 **Division** 238:10 **DNP** 2:9 doctor 152:21 267:13 doctoral 88:2 document 276:16 documented 259:4 documents 276:11 283:8 dog 99:13 doing 16:16 22:10 39:11 51:14 54:21 61:2 65:13 70:11 77:7 77:20 79:6 81:1 86:20 88:2 94:16 109:16 115:12 124:2,3,4 131:11 132:4 136:13 151:1 154:10 158:20 160:7 161:19 163:16 169:4 171:6 185:22 202:20 209:4,17 218:14 220:8 223:13 224:6 230:21 235:7 236:13,15 238:21 272:14 274:22 281:14 282:6,13 301:7 307:1 307:19 308:9,10,21 311:16 317:10 327:21 dollar 151:5 dollars 241:10 domain 112:6 174:17 177:12 180:7,13 182:15 185:6 186:17 187:3 192:15 194:4 195:1,3,9,13 199:19

204:15,19 234:5 domains 24:19 59:11 174:16 177:8,8,10,17 178:22 179:5,12,21 180:9 181:4 182:10 184:16 185:1 188:5 190:18 191:14 193:12 193:13,21 194:12,21 196:22 200:16 204:10 208:4 210:8 217:15 234:12,14 244:19 260:14,19,21 296:20 296:21 297:6,10 domains/subdomains 211:12 **dominate** 125:9 dominated 17:17 316:17 double 30:6 191:8 download 144:5 145:19 downtown 66:15 dozen 91:20 **DPA** 2:17 draft 245:1 300:2 drafted 244:20 dragged 130:6 draw 71:14 106:19 drawing 315:10 dressed 255:17,22 301:21 dressing 261:19 295:3 drilled 77:17 78:5 drilling 52:5 77:12 121:20 drive 109:5 driven 319:22 drivers 172:7 drives 162:20 dropout 130:20 dropped 246:16 drum 116:6 dual 1:9 5:16 6:15 7:8 17:7,17 19:3,9 20:18 21:10 22:3 29:7,11 33:11 40:9 51:15 72:6 73:9,10 74:15,16 84:8 84:21 92:18 104:17 118:10,15 119:11 121:3,17 122:6 125:2 125:9,12 137:3,6 150:14,16,17 151:16 151:20 152:9,12,15 153:8 158:2 159:5,10 159:16,17 283:5 304:19 306:7 310:6 311:21 dual-aged 33:11 dual-eligible 318:18

322:9 dual-eligibles 327:3 dual/non-dual 150:18 150:20 duality 99:19 dually 10:22 11:8 21:8 21:22 31:11 47:11 50:8 53:13 54:3 137:11 duals 10:16 21:15 22:22 23:2,10 32:11 32:21 34:11,15,16,17 34:20 35:7 40:12,13 53:2 54:11,22 55:14 55:16,16,18 69:3 73:14 82:13 105:15 108:2,7 110:7 113:22 118:9 119:10 120:2,3 121:3,5 125:12 152:18 155:17,19 156:14 157:3 160:13 160:14,14 163:20 165:7 238:2 289:7 304:10 305:6 307:15 313:20 317:5 319:18 322:14.22 326:20 329:3 330:4 duck 43:14 due 16:20 154:22 297:2 dynamics 32:16 Е E 2:17 5:1 eager 236:10 earlier 45:16 86:22 95:11 99:6 132:8,13 149:19 165:15 243:13 246:15 302:7 early 8:5,7 96:8 234:17 241:4 271:7 272:16 earn 30:5 Earth 98:1,3 easily 46:15 89:14 146:10,19,20 199:22 263:8 east 178:11 Eastern 133:8 167:12 236:22 Eastwood 130:22 easy 74:7 81:2 83:2 87:13 88:12 95:19 106:18 143:16 283:14 echo 305:11 education 3:21 16:11 47:20 83:19 84:7 92:22 93:1 105:4,20

(202) 234-4433

Neal R. Gross and Co., Inc.

Washington DC

143:1 185:10

Educational 168:14

effect 19:8.15 20:1.2 21:11 91:16 92:20 140:16 142:13,22 151:20 214:2,5,10 effective 220:19 effectively 186:6 187:4 effectiveness 175:1 181:10 effects 18:20 20:3,22 41:10 47:2 111:5,6 120:15,16 161:21 180:13 181:7 231:1 effort 33:1 42:1 106:9 124:6 188:10 230:14 eight 303:16 either 28:12 78:20 79:11 87:6 96:22 116:21 146:4 186:10 206:11 220:18 221:17 222:6 231:20 249:4 259:22 280:17 314:22 either/or 125:5 elderly 32:20 43:14 104:9 238:9 256:16 electronic 36:3 62:9 element 107:20 108:3 elements 105:1 107:22 109:1 113:10,11 131:19 209:6,14 229:16 elevate 120:21 elicit 256:7 eligibility 73:9 84:8,21 114:4 137:6 151:17 eligible 1:9 5:16 6:15 7:8 10:22 11:9 21:17 29:22 30:2 47:11 50:9 53:13 54:3 137:11,12 158:3 eligibles 51:15 74:16 74:17 137:3 283:5 320:10 eliminate 138:10 Elisa 3:3 137:13 Elizabeth 3:11 238:12 239:19 246:2,4,9,13 247:2 248:12 260:7 266:4 else's 307:7 eLTSS 242:15 email 59:7 70:21 232:5 281:5 289:5 329:6 emailed 237:21 329:1 emails 329:10,11 emerging 14:20 emotional 94:20 emotions 122:21 emphasis 139:7 186:9

emphasize 12:15 318:20 emphasized 11:19 emphasizing 148:8 empirical 135:9,21 140:13 142:9 employer 274:5 employment 186:15,20 187:2 212:19 250:2 252:3,4 274:4 276:7 empowered 186:6 encompass 65:5 324:6 encompasses 298:8 encourage 26:7 27:22 160:12 202:18 203:15 215:22 217:19 218:11 229:6 289:16 290:8 320:7 encouraged 118:4,17 118:22 197:9 250:4 275:14 297:13 encouragement 166:5 encourages 36:3 endeavor 215:19 319:17 ended 17:7 19:22 178:12 endorse 136:3 209:3,8 209:11 289:16 endorsed 12:8 141:13 141:16 142:19 159:20 160:4 210:12.17 239:14 240:4 260:10 261:9 265:4 289:18 291:10,11,22 292:5 293:12 295:15 300:10 303:17 311:14 endorsement 7:10 96:11 135:16,18 141:19 148:14 149:12 173:5 207:14,15,20 207:22 208:20 224:19 245:12 endorsements 141:22 endorsing 209:4 291:4 295:16 engage 231:10 277:18 engaged 236:11 315:14 engagement 8:11 89:20 115:4 204:21,21 English 137:15 245:2 enhance 62:16 enhances 125:4 **Enjoy** 167:13 enrolled 21:8,22 31:11 269:5 enrollees 20:18 22:3 52:21 53:2

enrollment 17:8.17 19:3 74:6 153:6 ensure 93:6 136:10 185:7 220:12 223:15 251:4 255:11 ensuring 241:14 Enterprise 242:1 enthusiasm 79:21 entire 241:16 258:10 299:12 303:18 320:20 326:19 entities 140:12 233:5,6 235:3,22 236:2 259:6 318:9 entitlement 33:13 entity 211:21 232:15 233:1 249:5,6,7 258:18 268:18 302:9 310:4 entry 61:14 environment 123:6 313:18 environmental 84:12 108:9environments 46:6 123:22 envision 28:21 epilepsy 228:6 equal 287:9 equally 194:1 equation 108:20 equity 24:19 25:2 138:14,16,21 175:4 192:20 Erin 3:4 6:3 133:12.15 136:16 150:8 163:17 165:20 166:12 error 179:16 especially 19:9 64:18 100:6 216:14 250:7 274:1 316:15 317:1 320:2 327:15 329:19 essential 58:3 essentially 16:1 18:2 19:21 21:9 24:11 29:5 76:11 211:15 213:8 220:4,10 establish 92:16 established 162:1 234:1 et 16:11 121:12 ethnicity 17:15 47:21 83:17 84:8 104:5 evaluate 47:1,9 48:17 50:7,19 306:7 evaluated 180:9 evaluating 48:17 61:2 135:15 141:1 153:12

evaluation 2:14 3:15,15 4:3,4 5:7,7 91:6 94:7 139:14 141:8 149:20 149:22 154:11 160:8 222:4 292:19 299:16 eventual 173:4 207:13 eventually 174:9 201:8 everlasting 316:4 everybody 8:4 82:6 91:12 94:7 100:1 145:21 160:15 232:6 267:12,13 285:18 302:10 306:2 321:11 327:19 328:1 330:9 330:15 everybody's 8:11 112:17 289:12 everyone's 99:15 evidence 135:10 152:2 162:10 287:7 296:19 evidence-based 313:7 evident 108:1 evolve 124:14 evolved 209:9 evolving 82:15 exactly 25:19 33:19 43:10 113:12 127:14 157:8 162:14 209:17 271:18 examine 32:14 47:12 164:2 examined 17:13 25:18 examining 231:7 example 20:10,19 21:1 23:13 26:17 28:19 29:14 30:10 39:12 60:10 103:11 112:10 135:6 181:17 192:12 192:17 194:22 195:10 197:13 199:17 201:11 204:18 211:19,22 212:13 249:9 258:17 266:9 277:5 examples 29:1 77:20 103:13 142:20 169:10 185:5 189:10 227:16 240:11 255:14 277:21 Excel 329:3 excellent 60:22 206:13 exception 250:1 excited 14:16 281:13 282:22 325:20,22 exciting 236:13 excluded 33:18 34:4 excludes 155:10 exclusive 212:3 excuse 183:3 227:20 executed 308:6

executive 42:18 exercise 5:11 118:12 exist 46:3 188:15 192:6 192.8existing 16:6 24:20 29:1 50:12 101:4,16 102:20 108:14 112:16 188:5,6 201:16 219:21 221:17 exists 127:19 expand 22:15 101:7 103:5 207:18 expanded 10:8 expectation 130:13,15 131:3 expectations 129:12,13 129:14,15 expected 181:16 183:9 318:8 expenditures 241:3 expensive 88:21 115:22 116:1 experience 7:1,5 8:21 46:8 107:8 111:18 142:21 198:22 238:7 238:15.21 239:5 241:20 242:6 244:14 251:20 260:15 266:20 269:1 289:21 295:12 296:1,14 302:16 303:9 experiences 185:19 249:3 255:11 304:4 experiment 254:6 expert 2:2,7,10,16 134:18 164:12 221:15 223:4,12 239:17 250:4 264:21 285:19 301:13 expertise 60:1 71:14 experts 59:10 171:21 179:22 210:16 216:3 explain 54:21 75:15 106:20 267:17 explaining 276:13 explicitly 135:4 exploration 68:1 exploratory 18:11 explore 49:22 65:21 exploring 47:8 49:16 65:4 68:7 278:5 exposure 100:2 extend 139:20 extended 114:19 extensive 143:15 extent 107:18 119:8 179:5 182:11 185:9 188:19 224:12 235:17

258:5 287:3 external 167:8 extraordinarily 80:22 202:16 extremely 62:15 161:17 F **FAAN** 2:2 fabulous 99:11 face 23:19 272:7,7,21 272:21 facilitate 220:19 facilities 11:18 12:2 18:9,9 240:20,21 facility 13:2 135:12 218:5 facility-based 18:8 fact 10:9 74:13 79:2 98:21 144:3 162:9 171:12 193:18 269:8 275:18 281:18 318:14 factor 17:12 48:6.9 74:19 140:7,9,11,15 142:10 153:12 155:15 164:15,15,22 165:7 211:22 213:21 factorial 180:11 **Faculty** 3:9 6:9 failed 297:10,11 fair 25:12 161:20 325:1 fairest 33:9 fairly 17:16 29:8 61:13 169:9 235:7 fairness 311:5 FAL 234:21 falling 21:7 familiar 71:4 149:15 174:13 Families 183:5 family 5:4 7:10 9:7 10:10,13 11:2,21 12:7 12:12,17,18 114:20 123:3,8 149:6,9 175:14 181:19,19 183:13,20 186:22 206:7 237:8 238:17 264:3 267:12 289:8 292:7 294:20,22 298:5,11 302:22 303:3,8 305:6 308:21 308:21 309:4,16 321:9 327:14 329:3 family-reported 12:15 13:9 fan 302:18 fantastic 218:2 **FAOTA** 2:8 far 77:16 100:14 119:1

189:22 191:2 198:6 228:14 fare 53:15 fascinating 54:7 fast 28:9 275:9 faster 167:9 favor 306:16 308:18 309:12,13 fear 67:12 fear-producing 107:19 fearful 67:10 129:12 feasibility 222:8 225:18 230:22 feasible 31:21 feature 165:14 254:3 features 36:2 240:2 276:2 316:9 **February** 243:12 fed 29:12 federal 124:17 127:7 172:6 federally-funded 197:13 210:15 fee-for- 61:3 206:11 318:17 fee-for-service 245:6 318:5 feed 23:20 feedback 12:19 15:2,8 45:8 83:4 96:9 149:20 216:7,13 218:16 224:10 250:11,15 315:15 feeding 22:13 feel 77:14 78:10 81:8 100:3 106:11 111:15 111:16,21 113:7 122:21 221:11 285:21 301:4 305:20 312:18 feeling 80:8 177:2 185:11 325:13 feelings 165:13 185:15 feels 25:9 119:8 fellow 88:2 felt 95:12 184:9 186:8 186:15 187:22 243:14 264:21 272:18 fewer 20:7 46:10 191:16 FIDE 74:2 75:16 103:20 273:19 fidelity 220:5,14 field 165:1 171:8,21 209:9 228:14 242:19 243:3,9 245:4,8 250:10,14 254:6 256:12,22 257:13,16 258:3 285:2 303:18

307:8 320:17 field-testing 172:13 fielding 259:11 276:17 fields 156:3,3 324:6 fifth 69:13 83:21 fight 57:1 figure 40:4 55:7 112:19 157:9 171:18 218:4 321:17 figured 55:5 figures 283:22 figuring 74:22 204:2 218:3 file 146:14 147:1,6 153:7 275:2 fill 35:6 86:14 97:15 158:15 286:9,13 filled 129:7 filling 201:16 301:3 313:22 final 16:19 57:10 75:4 148:2 261:5 311:21 312:1 finalized 245:10 250:16 328:17.18 finally 26:21 28:3 47:12 48:10 84:2 174:7 252:2 259:14 financial 27:3 28:20 80:10,13 320:6 financing 58:22 find 22:21 66:6 67:9 74:9 110:12 124:16 131:22,22 172:1 180:15 181:16 188:14 212:4 230:6 237:18 270:19,20 288:2 finding 19:14,21 62:15 141:4 273:3,4 findings 18:15,16 20:13 39:2 42:22 69:21 140:21 254:5 fine-grained 118:13 finished 184:14 finishing 167:18 first 13:14,20 15:4 16:3 16:7 18:22 24:8,10 27:2 29:3,19 30:20 42:19 43:1 44:19 46:22 47:16,19 53:4,6 70:19 73:12 82:20 99:17 115:16 118:1 119:3 128:2 138:8 140:5 144:1 151:16 152:6 165:4 171:18 172:1 175:7 178:3 188:17 196:11 197:1 202:5 207:13 209:7

www.nealrgross.com

Neal R. Gross and Co., Inc.

216:17 233:18 237:13 241:9 250:19 255:19 261:10 262:11 263:17 276:16 279:16 281:18 292:19 293:18 305:20 308:22 310:5,8 324:16,21 325:5,12 fiscal 241:9 274:4 fit 151:2 251:15 304:12 fits 275:16 284:1 five 20:4 47:18 82:12 113:13 150:11 188:11 238:21 295:2 296:20 300:7 304:13 five-year 170:11 173:9 fix 105:7 fixed 61:13,13 104:22 105:8 106:5 flag 118:9,10,15 flavor 28:11 flaws 305:12,13 flexibility 258:15 flight 99:7 flights 8:8 flip 30:1 floor 1:19 248:16 Florida 196:1 flow 100:19 125:16 330:1.2 focus 11:12 17:18 27:14 53:19.20 79:6 92:11 114:19 121:4 121:14 138:21 140:8 141:9 164:20 171:1 171:11 174:22 175:20 183:15 194:3 222:11 223:1 230:9 233:16 262:1 267:10,21 318:10 319:8 focused 68:21 98:22 122:4 174:2 185:18 186:12 217:12 233:20 255:15 322:5 323:8 focuses 173:18 222:4 243:15 focusing 185:8 186:1 204:11 219:19 222:7 240:15 278:21 296:1 313:21 folks 19:6 24:6 26:1 27:9 30:14 32:20 33:11 40:15 67:10 76:12 77:9 88:5 96:6 99:10 102:17,18 200:14 227:21 286:19 297:21 312:17 322:9 322:12 323:2,5 follow 17:4 37:1 59:15

122:9 256:7 follow-on 118:5 follow-up 41:8 44:8 67:7 78:6 97:14 329:7 followed 37:1 following 30:15 42:8 65:13 177:16 189:1 191:6 227:15 239:22 300:7 308:1 follows 244:10 food 71:9 84:3 85:19,19 forays 127:22 foremost 279:16 forgot 91:2 158:17 form 117:8 187:19 319:16 formal 8:12 format 193:7 254:18 formative 244:18 253:8 formats 224:11 forms 94:22 113:14 228:6 forth 161:19 forum 1:4,19 41:13 57:14 101:9 102:3,12 103:9 121:2.13 154:14.19 162:20 163:13 164:2 174:14 196:18 210:3,6 216:1 218:15 228:1 289:18 303:19 304:16 312:4 326:3 Forum's 171:15 Forum- 240:3 forward 15:2 24:22 35:2 45:11 63:7 81:4 84:17 121:3 122:5 134:6,15 139:12 142:7 149:5 150:2,7 166:10 200:4 258:13 265:2 305:14 306:1 314:14 326:2 forward-looking 326:19 found 18:20,22 29:9 34:11 45:17 80:22 86:1,5 91:16 143:13 153:12 181:6,14,17 182:3 184:18 267:21 273:2 297:4 foundation 126:19,20 131:10 four 9:8 10:13 16:1 21:17,19 22:1 32:10 32:13,15 33:1 35:10 44:1 56:20 69:11 163:19 164:3,5,8 210:17 219:10 242:2 243:2 four-star 21:16

fourth 48:15 83:19 FOX-GRAGE 2:7 125:17 126:9 302:15 frail 32:20 43:14 72:6 256:16 frail/elderly 244:1 frailest 286:17 frailty 26:14 50:10 53:9 60:10 61:4 70:8 103:20 121:11 framed 324:9 framework 46:22 47:4 88:15 171:16.20 172:6 173:13,16 174:14 177:5,5 178:20 179:7,19 181:1 184:17 186:9 186:12 187:2,12 188:4,17,20 190:6,14 191:5,21 192:3,8 218:16 224:22 228:21 234:14 236:4 frameworks 185:17 234:3 Francisco 170:2 304:15 frankly 41:3 52:10 98:20 free 81:8 95:20 Frentzel 3:11 238:13 239:19 246:2,5 248:11,14,20 266:6 266:16 267:18,20 268:14 273:11 274:15 frequency 69:5 frequently 142:11 217:8 227:19 **Fried** 70:6 **Fried's** 71:4 friend 89:19 267:12 303:21 friendly 41:5 friends 44:22 123:4 264:3 294:21,22 front 25:4 242:4 301:15 frustration 200:18 full 34:10,15,17,20 44:18 51:4 84:21 180:11 250:6 301:14 fulls 34:12 fully 39:11 111:7 function 13:7 functional 11:17,20,22 12:5 23:7 26:11,18 71:22 105:3 218:6 227:17 229:2 238:7 241:20 242:14 functional-based 229:8 functionally 300:21

functioning 101:4 102:22 118:20 175:5 184:21 funded 170:8 241:18 funder 131:15 funding 57:7,7 126:18 127:7 129:14,20,21 130:6 funds 226:6 furrowed 215:16 further 9:2 59:11 73:13 100:2 165:2 187:16 221:12 242:13 276:22 278:8 316:11.11 furthest 278:18 future 84:19 158:13 278:6 306:18 futuristic 62:7 fuzziness 267:9 FYI 237:14 G gain 175:8 gains 321:12 gamed 90:15 gap 110:3 172:14 173:15 188:4 194:10 204:17 221:10 233:3 233:4 296:21 297:5 297:11 gaps 5:19 86:11,15 172:4 173:7 201:16 300:6 313:22 garnered 86:14 gatekeepers 257:7 gather 287:1 gathered 105:10 gathering 140:22 gee 146:21 gender 47:22,22 83:18 84:9 general 23:18 38:14 58:22 120:19 180:16 180:16 290:22 300:19 313:1 generally 140:18 generate 94:4 generic 17:5 generous 98:19 genetic 148:8 geographic 85:2 geographical 85:6 92:7 geography 84:11 Georgia 243:11 germane 26:5 **aetting** 73:22 113:3 116:9 144:7 165:8 255:17 262:14 289:12

292:15 304:22 313:6 43:13 49:7 55:17 Н 319:16 58:16 62:20 72:5 H 2:12 getting-up-and-runni... 78:22 83:17,19,21 half 91:20 104:9 167:7 18:12 84:2,3 86:8 89:6 91:6 169:13 241:10 give 28:19,22 46:20 95:10 96:8 102:3 halls 129:11 79:19 83:4 109:12 109:20 119:8 132:7 Hammel 2:8 51:11,12 133:18 134:3 148:17 132:11 133:18 137:2 94:8 299:5.11 157:11 169:10 174:20 157:3 159:16,17 Hampshire 243:10 160:7 166:3,4 174:21 181:13 194:16 200:21 hand 9:3 14:14 39:18 209:2 219:14 228:9 175:12,14 176:7,12 111:22 112:1 183:6 248:1,9 260:9 287:12 177:2 179:18,21 246:1 308:10 309:6 287:21 292:16 181:18 182:17,19 309:19 310:18 given 9:11 29:6 42:4 183:1 184:8 185:14 handful 319:20.22 59:8 136:3 142:5,14 186:8 187:11 196:18 handle 210:15 232:15 223:4 236:8 238:10 152:8 208:19 249:8 hang 97:9 272:11,12 279:22 261:2 266:1 277:9 Hansen 1:21 2:2 35:5 312:10 279:14 280:16 292:9 52:2,3 98:18 100:10 gives 28:10 160:17 305:21 310:7 311:22 happen 30:6 32:1 63:6 166:4 179:10 187:7 312:18 315:14 316:17 124:1 126:2 128:1 224:5 260:20 322:6 325:6 326:21 208:19 301:8 giving 85:17 139:5 group's 143:12 happened 117:4 141:1 185:5 204:18 240:8 **grouped** 293:20 159:1 164:17 197:21 262:5 300:17 groups 23:21 24:14 229:7 248:8 313:17 gleaned 114:12 34:9,22 35:6 39:4,15 happening 56:6 68:13 40:3 44:1,2,10 56:14 global 3:21 251:18 97:11 139:2 318:15 264:10,13 265:13,15 59:18.19 78:2 80:14 happens 8:15 124:3 293:10 294:11,12,14 83:8 84:5 94:16 104:6 154:8 300:2 321:2 153:18,18 171:17,17 294:14 happier 55:2,3 **goal** 8:5,7 89:15 156:22 172:19 176:17 178:2 happy 59:21 69:19 170:12 172:16 173:4 178:5,6,11,12,17 85:14 196:7 218:20 208:5 213:2.5.13 179:1,3,16 180:2,17 226:22 239:17 245:21 180:18 181:18,19 236:1 315:1 318:22 325:20 goals 24:1 49:19 50:15 182:6 183:10 184:2 hard 26:12 88:17 Google 98:1,3 184:16,22 185:1,2,22 200:13 325:7 gosh 78:15 186:15,15,21 187:15 hard-core 200:1 gotten 98:15,15 102:8 194:9,10,13 204:20 harder 154:4 151:22 206:22 207:5 223:17 harkens 55:13 government 321:14 223:17 225:7 231:13 harm 295:9 grab 33:19 267:10,21 harmonization 222:8 grabbing 107:14 growing 63:2 273:20 harmonize 62:17 gradually 129:19 grown 241:3 HBIPS-6 10:3 grant 127:2 216:9 guard 66:18 67:3 HBIPS-7 9:22 241:19 242:1 guardians 257:6 HCBC 307:16 Granted 269:3 guards 66:19 HCBS 7:1,7 8:20 85:21 grantee 278:8,11 guess 29:18 33:9 77:5 168:10 170:7,16 79:5 88:6 113:13 grantees 242:7,18 171:8 172:20 173:17 277:22 118:3 164:7 202:18 173:20 179:9 187:12 grants 226:7 205:21 207:9 208:16 188:7 198:9 219:22 granular 144:9 165:8 217:19 220:8 230:8 238:16 graph 82:20 guidance 5:18 42:4 239:1,6 240:2,3,15 86:6,8,9 94:6 134:16 graphics 82:22 241:3,5 243:2,5,14,16 grappling 39:21 139:5,11 148:6 158:1 243:19,22 245:5 greater 46:6 89:3 185:9 161:1 249:1,5,8,10,19 250:1 guidelines 41:9 90:21 greatest 111:4 221:12 250:8 252:11 255:3,4 green 194:20 135:22 163:10 257:4 258:2,15 Gretchen 169:22 quilty 167:21 259:20,21 260:11,13 ground 132:1 **GWENDOLEN** 2:6 260:15,16 264:12 group 8:14 22:5 40:14 269:2 272:18 275:15

276:14 278:2 283:22 295:12 296:1 303:9 304:16 head 99:6 179:20 headed 15:9 42:13 heading 26:22 health 2:4 3:13,16,19 3:20 4:2 7:1 9:1 13:6 15:17 16:11 18:9 24:19 26:10 27:19 35:19 38:18 41:11 45:18 47:20 48:7,12 58:12 61:21 62:9 69:6 69:7 75:10,11 76:16 85:7 90:22 91:8 92:14 97:2 101:11,12,14 103:21 104:15 105:11 115:8 116:4.8.21 120:11,12,16,17 161:22,22 175:4 176:1,9,13 184:21 198:16 200:13 203:1 227:22 232:18 238:10 238:17 239:4 242:7 242:16 261:13 264:16 265:16.20 266:7 268:7 269:13.14 270:5,10,17,20 286:18 294:13 307:12 321:3,12 322:10,14 322:17 323:5 health- 69:9 healthcare 67:6,13 88:1 313:18 hear 8:22 14:3.5 64:1 85:10 108:12 118:17 128:11 161:7 166:16 168:4 237:13 247:16 247:18,19,22 248:7 315:22 heard 81:9,10 116:5 147:11 148:10,22 151:5,14 154:2 185:21 186:21 232:10 281:15 302:7 305:18 hearing 272:20 301:5 314:8 heart 101:14 heartfelt 99:15 hearts 109:12 heat 193:5 204:15 heavily 316:16 held 293:1 Hello 60:4 247:11 help 97:19 110:7 132:7 139:4 170:13 195:14 206:22 250:20 255:6 255:16,18,20 256:1,6

343

257:17,21 262:13 266:10 269:15 271:9 276:16 280:17 286:15 296:11 306:12 307:14 helped 100:14 255:11 259:22 322:21 helpful 36:6 44:4,14 45:12 58:8 81:1 87:5 89:3 159:3 166:1 198:21 210:11 218:3 233:10 261:11 262:10 272:5 288:21 294:3,4 helping 233:8 235:9 helps 137:16 269:12,16 301:21 302:13 heretofore 217:12 heterogeneous 157:13 Hewitt 221:1 231:21 **HHS** 3:17 7:2 24:2 25:22 82:14 128:7 hi 9:4 32:8 51:11 52:2 56:10 71:16 82:6 163:17 166:15 168:2 194:16 196:13 207:8 212:10 232:8 237:4 247:21 266:14 281:1 281:11 321:21 326:7 hiatus 126:3 308:7 327:12 hidden 308:5 hierarchy 285:16 high 21:14 22:22 25:12 27:5 28:9 29:11 30:1 46:5 48:5 54:10,21,22 69:2 78:7 87:9,9 89:9 130:20 180:17 220:13 234:4 245:17 289:22 310:13,14 high-quality/high-fid... 173:19 high-value 289:20 higher 15:18 20:6 23:2 23:5,12 36:22 39:14 54:11 123:11,19 288.1highest 22:3 30:8 40:11 40:12 120:18 256:14 highlight 91:3 highlighted 183:14 192:18 highly 62:14 92:13 244:13 266:12 273:9 289:15 319:17 320:7 hijacked 219:1 Hill 303:21 hip 321:6 hired 274:12 Hispanic 17:15 31:13

Historically 240:16 hit 28:12 151:4 179:19 217:15 hitting 187:13 **HIV** 11:4,8 161:3 hold 232:18,19,20 309:20 holding 232:16 holistic 129:22 175:4 184:21 HOLMES 2:9 home 18:9 37:1,1,8 57:10,15 58:12 66:17 66:21 67:2 71:22 72:2 72:8 99:6 107:11 111:16 123:1 143:4 169:5 174:11 235:4 238:17,17 239:13 240:1 249:17 266:1,9 269:15 270:20 271:1 273:22 274:2 302:17 303:22 304:4,20 309:3 310:16 316:17 321:3 home- 7:12 57:12 75:3 homemaker 261:14 268:8 294:14.21 homemakers 264:17 homemaking 274:1 homes 67:11 321:2 Homewatch 2:15 homework 5:11 82:10 82:11 86:10,20 118:4 hope 56:7 99:1 124:12 124:12 201:18 315:1 315:13,21 317:13,18 330:10 hopeful 160:22 hopefully 15:6 28:10 75:11 137:13,16 153:16 161:9 225:4 248:2 315:9 326:2 328:1 hoping 96:10 220:11 283:1 319:12 hopper 64:13 horse 118:8 HOS 103:21 hospital 2:9 13:17 18:3 19:7 31:3,5 36:21 37:10,12 78:19 101:17 143:4 152:21 162:11 hospitals 31:4,21 54:10 152:20 232:19 240:21 321:3 hour 167:7 hours 177:21

house 37:2 269:22 301:17 household 92:21 295:5 housekeeping 328:13 housing 51:21 69:13 71:9 83:20 84:11 85:19 HRSA 146:13 huge 72:3,9 110:3 112:15 306:15 hugely 217:13 324:10 human 101:21 122:20 174:22 181:8 183:8 183:19 hundred 189:11 190:4 215:2 hundreds 228:3 hurts 263:14 I i.e 97:8 214:6 **IADL** 51:19 **IADLs** 269:15 320:3 IBD 270:9 iCare 2:12 35:19 273:17 ICI 3:9 6:9 IDD 43:21 89:6 102:9 182:22 183:21 idea 53:14 96:13 113:3 116:19 156:9 220:4 271:5 319:19 idealized 287:9 ideas 51:3 101:22 132:4 177:4 226:21 312:3 identification 173:18 251:3 identified 5:14 47:18 48:6,11,19 61:10 82:16 89:13 90:1 179:21 214:22 226:16 227:12 249:16 255:12 260:22 277:1 296:3 identify 48:8 50:15 172:4,8 173:7 174:9 220:11 244:18 250:20 274:22 276:19 296:12 identifying 214:19 219:21 220:14 224:7 226:12 278:4 identity 47:22 84:9 lezzoni's 165:12 ignore 74:18 110:11 **illness** 35:9 102:9 112:12 244:5 illnesses 228:3 illustrative 26:2 imagine 62:8 330:5 imbedded 255:8

immediately 141:17 immigrant 283:9 impact 15:13,22 16:3,8 25:7 35:20 37:5 51:14 90:13 129:5 137:6 142:3 150:15 153:19 154:1 161:2,5 321:1 impacts 47:12 impaired 44:10 impairment 272:19 impairments 13:7 104:12 272:20 imperative 241:13 implement 65:15 177:22 202:17 implementation 7:4 173:19 178:2 196:21 197:4 198:22 220:6 220:20 277:6 implementation- 41:4 implemented 29:4 134:16 136:12 200:21 220:1 implication 74:14 149:6 implications 5:9 155:16 258:16 imply 65:14 importance 9:15 11:19 12:5 13:8 91:22 120:22 122:5 177:11 177:14,15,18 179:8 179:11,14 180:2 181:3,21 182:9 183:2 183:7 194:14 198:14 210:18 222:7 225:18 230:22 233:3 important 11:7 12:16 17:16 25:10 26:13 32:17 36:17 37:22 38:1 39:11 41:13 54:16 62:15 68:9,10 77:22 81:2,4 86:4 88:18 92:16 108:17 109:3 110:10.16 112:6 119:10,14 120:7,21 121:2,5 124:1,7,8,10,11 131:12 164:21 171:19 171:21 173:6 179:1 180:19,21 181:4 182:5,21 183:10,12 183:19 184:1,5,9 195:9,10 199:1 202:3 204:1 205:22 215:19 216:18 217:13 233:17 234:7 236:14 240:15 246:21 250:6 251:14 252:13 256:11 262:20

263:1 264:22 272:21 281:22 282:10 305:5 305:7 311:7 315:16 323:11,15 324:4,5,16 **Importantly** 46:9 impose 152:8 imposed 108:10 impossible 272:15 impressed 18:17 impressive 54:13 **improve** 10:22 80:2 110:7 115:9 118:15 151:12,13 203:21 206:22 207:4 208:5 233:8 235:9 improved 151:7 187:16 improvement 27:6 80:6 218:6 276:20 277:6 278:5 296:12 297:5 306:15 improving 15:14 120:7 122:10,14 128:13 327:2 in- 113:1 in-person 116:3 inadequacies 102:2 inbox 329:9 incarnation 8:14 incent 110:6 incentive 28:20 80:13 278:13 incentives 27:3 80:11 314:13 include 10:12 11:4,16 11:20 12:7,9,16 48:19 92:18 93:4 124:9 134:10 136:22 151:11 151:11 160:1 175:13 179:14 184:10 187:2 189:3,13 197:7,11,18 198:8 200:3 213:20 228:20 230:17 242:14 251:15 258:19 259:10 261:15 265:5 266:11 included 11:2,10 36:1,7 69:1 134:7 147:22 149:12 159:13 185:7 196:2,5,11 199:18 205:2 217:7 228:19 300:20 includes 31:4 48:22 53:9 68:18 155:10 172:12 250:17 262:20 including 12:6 91:22 135:12 178:4 179:7 189:6 226:15 238:16 239:18 240:1 243:22 252:9 254:11 262:22

278:10 288:10,11,12 296:4 inclusion 57:1 58:2 107:9 134:9 141:15 175:4 181:9 183:22 184:19 185:7,15 186:18 187:5 192:17 195:1,3 199:17,18 201:12 204:19 211:20 212:15,18 213:10 237:8 250:4 289:7,9 Inclusive 3:21 income 17:14 23:16 34:21 39:15 64:2,7,9 64:14,15,15,22 65:1,3 65:6,9,22 66:3,3 69:8 73:8,12 83:10 84:7,22 93:9 105:3,20 118:7 118:13 incorporate 17:21 253:14 315:18 incorporated 23:4 222:1 incorporating 176:10 incorporation 253:6 increase 105:7 increased 197:3 increasing 254:3 increasingly 68:4 71:8 323:15 324:5 incredible 12:20 72:9 incredibly 12:16 independent 83:16 323:10 324:3,12 index 145:9 indicate 20:17 113:1 120:20 309:6 310:19 indicated 173:6 186:4 206:15 211:9 257:6 indicates 279:21 280:6 indication 179:11 224:5 253:1 indications 79:12 80:4 indicator 73:11 indicators 57:21 58:18 85:13 88:16 102:5,6 102:14,21 103:12 112:3 114:18 115:18 189:13 193:10 indices 85:1 individual 49:4,8 50:1 64:2 65:20 66:3 71:10 77:13,17 78:14 89:14 92:13 107:3 108:22 112:4 114:20 115:5 118:13 135:12 191:14 227:10 253:16 255:16 258:21 266:10 269:3

269:6 270:9 272:13 329:11 individual-level 191:14 individualized 175:2 individually 135:1 individuals 11:1,7 12:18 13:5 21:8 22:1 23:18 29:7,12 78:5,10 115:18 170:19 175:13 175:20 179:17 181:22 183:5,10 184:13 185:11,18 186:5 197:10 218:7 223:4,8 235:16 236:9 243:5 243:22 244:1,2,3,4 245:5,19 250:20 251:1 253:11 254:8 254:11 256:16,16,20 257:10 273:5 275:19 277:10 278:22 279:2 307:15 318:19 industry 321:14 325:14 inequality 48:5 infections 135:7 influence 22:19 50:3.19 120:11 128:8 162:10 162:15 influencing 70:15 76:19 inform 132:12 information 35:3 42:2 43:5 51:20 59:9.16 60:14 61:20 67:15 68:9 69:7,15,16 74:4 74:10 82:17 86:11 87:1 88:11 97:18 111:13 113:3 114:11 115:11 116:10 117:3 119:15 140:17 141:2 147:6 153:4 157:11 157:12 158:18 159:2 187:14 192:1 193:6 199:15 214:16 223:8 223:19 234:11,18 250:22 251:19,22 252:7 253:5 254:2 256:8 260:14 275:1 277:13 278:16 280:20 284:1.6 300:3,16,18 300:20 308:4 328:21 329:9 informative 64:21 informed 149:17 infrastructure 85:5 96:21 97:6 326:19 initial 33:12 80:3 228:10 233:15,16 234:18 266:16,17 278:17 299:15

initiative 95:17 initiatives 94:12 injury 170:21 175:22 244:4 279:3,14 280:3 280:16 innocuous 156:10 innovate 27:17,21 innovation 28:1 40:21 56:5 input 5:19 45:8 69:21 86:12 150:1 154:5 157:19 158:1 166:2,8 173:12 175:8 184:13 222:19 226:22 230:15 231:11 232:3 245:18 249:19 315:13 input's 45:12 inquire 253:2 insecurity 71:9,9 84:3 85:19 insert 253:21 301:19 321:22 inserting 322:20 insight 216:5 insists 282:19 instability 69:14 instance 72:12 104:4 202:8 270:3 314:14 Institute 2:8 3:9,10,21 6:8,9 168:11,19 169:20 176:21 Institute's 168:14 **Institutes** 3:12,18 238:14 242:8 institution 75:2 79:2 institutional 12:19 240:18,19 303:5 **institutions** 74:17,19 instructed 256:2 instructions 159:13 instructive 317:8,19 instrument 106:4,10 172:17 189:4 193:5 198:1 200:3,10 201:6 201:20 202:8,11,12 205:3 207:3,11,15,21 208:3,13,15 242:21 245:1,11 255:7 275:20 276:11 278:7 282:2 291:2 306:8 instrumental 48:2 51:19 94:20 instrumentation 221:6 instruments 94:9 100:21 173:16 188:6 188:14,22 189:5,9,11 190:4,5,17 191:1,4,10 193:9,14 195:18,19

345

196:16 197:7,11,15 198:11,12 199:5,8,20 200:2 201:5,10,16 202:6,16 205:4 207:6 212:6 215:2,6 217:16 244:17 282:17 insurance 3:16 7:1 47:21 integrate 284:22 integrated 58:11 124:4 130:1 282:16 316:7 316:16 322:11,13 integration 3:9,22 6:9 27:18 57:1 58:1 168:12,20 169:21 245:18 264:1 intellectual 32:19 58:20 102:7 112:11 115:19 170:19 175:20 184:6 240:22 244:2 254:11 256:20 287:17 323:18 323:20,22 intend 89:7 207:2 223:22 **intended** 248:22 intent 17:2 32:5 94:1 207:3 intention 91:1 intentionally 257:5 inter-rater 222:13 287:4 interaction 67:13 107:17 182:18 interactions 153:15 interactive 177:20 218:16 interacts 24:3 interconnectivity 36:3 36:4 interdepartmental 126:7 interdependence 121:9 interest 36:2 60:1 133:4 240:11 301:11 interested 45:7 51:9 63:22 70:20 186:14 215:17 225:10,13 226:1 228:13 231:16 236:8 242:13 276:7 281:13 interesting 53:11 182:3 194:7 330:13 intermediate 11:6 240:21 internal 213:20 222:13 internet 93:11 interpret 194:17 interpreting 223:18,20 interrelationships

49:22 153:15 interrupt 100:19 176:5 intersect 15:21 intersecting 88:11 Intervention 168:15 interventions 39:8 55:8 296:13 interview 114:19 253:2 259:17 273:7 interviewer 252:19 254:15,19,20,22 256:2,4 259:18 301:19 interviewers 97:15 255:6 interviewing 272:9,10 273:2 interviews 116:3 279:17 280:9 intimate 94:21 introduce 13:15 168:8 168:16 169:17 234:13 introduced 114:22 296:10 introducing 24:19 introductory 259:6 invest 103:3,9 115:2 118:14 invested 104:22 investigation 276:22 investigator 168:18 investing 40:17 investment 102:14 108:19 119:5 inviting 239:12 involved 26:1 59:20 148:14 154:17,18 170:6 IRB 259:2 IRIS 198:3,4 ish 310:1 isolated 87:22 90:10 isolation 57:2 58:2 83:22 85:11,17 89:3 112:5 113:4 153:17 206:21 211:13,16 **issue** 15:19 31:14 37:22 38:1 97:13 119:20 120:6 125:3 145:16 146:4,9,11 147:19 163:13 256:11 268:5 280:8 284:11,17 298:13 issued 234:22 **issues** 15:15 16:18 23:14 28:8 59:21 78:4 87:3,8 110:13 121:5 121:16 224:7 265:14

292:17 300:14 302:5 it'll 81:11 288:21 italicized 253:19 item 190:5 225:15 251:13 252:2 256:3 260:18 262:7 265:15 286:2 299:2 items 138:7 188:16 189:4 190:8,17 191:3 191:12,16,18 192:15 194:11,21 195:2,11 201:7,15 224:13 242:15 245:3,9 250:5 250:17,20 251:3,4,10 251:19,21 256:3 260:13,16,17 261:7 261:12,22 262:1,11 262:19 263:5,11 264:20 265:1 293:20 295:12 329:7 iterations 244:22 iterative 222:17 J Jackson 3:13 268:16 268:16 272:6 281:7 JD 2:5 Jen 309:21 Jennie 1:21 2:2 32:12 52:3 98:9.11 100:3.4 100:16 126:18 **JENNIFER** 2:15 Jersey 2:9 **Joan** 2:19 88:13 97:4 300:12 303:21.22 **job** 106:12 110:11 185:22 187:12 301:7 **Joe** 2:5 77:1,2 170:3 200:19 290:3 John 170:2 Johnson 126:21 join 95:20 130:2 312:13 joined 36:5 196:17 238:12 joining 321:6 joking 128:16 jokingly 127:13 journey 203:16 330:15 **Joy** 2:8 44:16 51:11 299:10 Joynt 3:14 5:6 13:16,19 14:4,15 28:22 30:19 33:4 35:12 37:7 39:18 41:21 42:16 43:8 45:1 54:5 58:9 62:6 76:9 77:16 79:19 81:7 82:3 **July** 150:4,6 243:12 328:20

June 138:19 139:11 149:22 166:9 245:12 328:20 Jung 3:2 7:17 248:3 295:18 300:7 309:2,8 309:10,14 310:15 311:1 328:5,8,11 juxtaposition 284:18 Κ **K** 2:10 Kansas 270:7 Karen 3:14 5:6 13:16 14:3,4 45:3,15 46:2 46:22 53:4,22 62:4 80:19 134:2 138:12 142:6 152:1 Karen's 149:15 Karon 197:20 Kate 3:2 5:3 9:3,5 168:1 Kaye 170:1 304:12 keen 200:2 223:15 keep 14:22 82:14 90:7 149:17 216:16 219:12 237:14 269:20 271:10 273:15 297:19 330:1 keeping 11:12 **keeps** 111:3 Kentucky 123:16 243:11 Kerry 3:16 7:1 238:6 239:15 246:9,19 247:4 248:6 288:19 300:10 key 36:4,10 63:5 113:11 113:13,14 138:21 140:4 240:2 244:19 keypad 167:2 kidney 21:1 killed 86:17 KIMBERLY 2:16 kinds 38:12 67:19 95:22 97:18 105:22 121:11 130:1 146:14 270:18 274:2 knew 17:3 253:9 knowing 300:14 knowledge 100:7 111:19 known 93:2 244:13 knows 285:21 317:22 L labels 261:3,4 lack 69:9 80:13 LAKIN 2:10 106:11 122:8 286:22 290:22

Neal R. Gross and Co., Inc. Washington DC 291:9,12,16 323:7

			347
Law mus wa 04:4 00:40	000-40 040-44 004-00	Hat 04.7 00.4 440.4	Law man 00:40 05:0
language 31:4 83:18	202:10 240:14 284:20	list 61:7 83:4 118:4	longer 36:16 95:2
84:9 85:4 104:5,5	293:16 299:9	158:8 329:6	161:19 198:19 205:17
165:16 282:2,12	letting 170:10 248:18	listed 51:2,2 83:1	283:12 313:12 327:20
283:2 286:1,2,6	level 10:2 11:4 28:9	195:19 225:14 249:21	longitudinal 226:3
languages 286:7	37:6,6 39:14,14 49:4	329:8	longstanding 329:18
large 54:2 83:21 107:2	49:7,8 64:2,3 65:3,20	listen 164:9 261:22	look 9:19 15:1 17:1,3
108:14,15 109:13	66:1 68:6 71:10 73:12	262:3 294:3	24:21,22 33:1,7 38:8
119:4 178:16 195:12	84:21 87:1 92:12,22	listening 103:17 165:22	38:11 40:6,8 42:5,11
196:10 235:7 241:12	95:21 98:4,4 104:14	167:22	43:2 50:12 52:5,8,11
310:7 319:2 325:9	104:15 105:4,20,21	listing 89:17	52:13 53:8 57:4 64:5
large- 225:3	106:8 108:22 111:4	lists 79:7 190:16	66:12,21 67:7 68:2
large-scale 174:2	114:10 120:19 129:18	literacy 13:6,6 16:11	70:11 71:1 73:20 74:4
224:16	135:11 143:1 146:12	48:7 69:6	74:18 77:8,19 78:18
largely 41:22	146:15 153:5 162:6	literature 57:17	93:16 95:15 96:8,14
larger 50:11 106:8	175:18 180:7,14	little 14:18 18:16 34:15	98:1 102:1 107:3
299:19 316:8	182:3 187:6 191:13	40:10,13 53:5 55:12	117:16 121:14 126:18
largest 131:15	193:12 206:6 230:13	56:8 64:17 87:16	138:15 139:17 140:6
lasted 283:12	245:17 267:4 270:15	103:13 105:10,12	141:12 142:8 143:6
late 8:7 241:5	296:4 317:4 318:11	112:11 114:5 116:2	148:18 151:9 153:16
Laughter 247:8 312:8	323:20	117:7 118:21 134:21	153:22 155:20 173:15
319:5 322:2 324:22	levels 15:18 23:11,12	137:17 141:3 147:17	179:5 180:6,8 182:8
325:2 328:10	46:5,12 48:5 49:5	149:1 153:7 157:17	184:15 188:4,7 189:8
laundry 329:6	79:14 227:11 266:22	169:15 174:8 189:17	190:1 191:22 193:18
law 63:11	leveraging 64:8	201:3 207:9,18	194:22 198:9 202:22
lay 187:19	levers 138:9	216:22 225:1 227:5	211:13 214:22 220:2
layers 317:2,10 318:6	LEVY 2:19	228:9 232:22 236:21	220:5 221:22 222:10
lead 238:6,22 239:4	Lida 3:16 7:1 238:6	272:2 278:16 284:13	226:3,19 229:7,20
Leader 3:18	239:11,15 246:11	293:14 295:8 305:15	234:3 275:2 287:20
leaders 24:6	lies 34:7	327:17	288:9 289:5 292:13
leadership 91:6 100:13	life 23:18 36:18 221:22	live 23:11 68:12 74:17	307:13 316:4,6
100:15 163:9,11	235:20 243:17 257:10	123:7,8 264:3 307:16	320:17
181:8 191:19 192:20	307:16 313:13	lived 324:7	looked 17:19 18:4 33:6
199:3 210:4 230:16	lifestyle 23:15 46:7	lives 67:12 74:13 123:7	34:8,11,12,13,16
leading 13:22	lifted 134:13	327:3	35:10 40:10 64:6
learn 14:19 40:21 78:9	light 157:5	living 46:6 48:2 51:18	71:20,21 122:22
115:4 119:6	likes 264:5	51:19,21 57:2,3 69:11	148:4 150:12 151:15
learned 123:15 187:9	limit 49:13 169:8	72:1 84:10 92:20	152:15 153:18 158:21
191:2,7	limitation 60:13 97:2	102:13 313:12	159:4,9 180:3 207:12
learning 123:21 169:11	limitations 111:11	load 11:5 87:9,10	211:15 287:8,11
191:11 199:13	131:1,2	loading 293:6	looking 20:14 32:10
leave 75:18 98:10 100:1	limited 92:22 93:1	location 67:1	34:10,22 35:22 41:10
142:14 218:8 287:1	110:7 111:7 143:13	lock 67:11	52:20 53:15,19 63:15
289:13 312:2,7	297:2	locus 37:16 83:22	64:9,14,19,20 65:2
led 13:19 80:6	Lind 2:11 100:11,16	logged 246:14	70:8,12 71:20 76:12
left 21:20 22:20 41:22	132:21 133:1,5	logical 135:9 224:18	77:12 79:10,17 84:17
44:18 178:5 242:5	308:14 312:14 321:21	loneliness 83:6 107:8	86:11 88:4 94:7,11
273:13 283:10 327:11	322:4	111:17,20 112:5	95:11 106:17 107:20
327:13	Linda 70:6 71:4	118:19 122:18 123:3	111:12 118:3 131:17
left-hand 192:15 193:11	line 100:12 135:6 195:7	123:9,11 130:13	132:14 135:17 139:22
left-unattended-to	239:18 246:5 308:12	long 12:1 37:10 62:7	140:5 153:19 161:13
322:6	lines 166:16 242:4	99:8 100:13 126:4	163:3 179:9 188:21
legacy 286:18	326:8	144:2 167:10 206:9,9	188:22 190:22 204:4
legal 174:22 181:9	link 49:3	261:17 306:10 323:9	211:12 220:18 221:5
183:8,18	linkage 49:9	326:4 329:5 330:11	222:5,13 223:10
legislatures 277:15	linked 48:20 73:2 74:1	Long-Stay 12:11,12	225:13 231:1 235:6
legitimate 129:22	74:8 75:2 329:1	long-term 203:3 240:17	267:16 284:14 293:8
146:10 302:5	linking 27:19 65:19	240:20 241:7,21	293:9 306:9 307:9
let's 99:1 149:14 155:18	72:19 231:2	245:6	317:10 320:13
	I	I	I

lookout 237:14 looks 40:8,15 64:3,6 78:8 153:6 157:3 **loop** 149:8 lose 237:12 losing 137:16 **lost** 128:11 246:9 lot 8:16 14:19 16:17 30:22 31:15 33:7 34:7 36:9 41:6 45:10 55:16 62:8,19 63:7 72:11 76:10 77:4 78:9 79:21 86:16,20 94:19 98:20 99:20 103:14 105:1 106:14 107:1,3 108:19 115:12 116:7 116:15,15 117:14 119:6 122:15 145:11 147:20 151:5 152:2 155:17,19 169:8 184:12 185:13 187:14 190:10 191:7 193:21 193:22 215:16,21 216:21 224:2 227:21 229:10 267:9 269:20 288:5 292:1.21 297:18 299:18.19 300:8 308:2,3 317:14 318:13 329:22 330:4 330:5.6.9 lots 18:16,16 88:19 115:20 126:22 305:12 Louisiana 243:6,9 love 35:3,12 37:8 88:20 96:19 132:12 216:13 225:22 307:13 loved 23:7 lovely 94:18 low 17:14 23:16 30:1 34:21 69:6,8 87:9 92:22 93:8 low- 29:20 lower 20:18,21 23:1,10 46:12 181:21 lowest 21:22 256:18 LTACs 12:6 LTSS 229:9 240:18 241:3,10,12 243:15 270:8 278:6 306:8 LTSS/Medicare-Medi... 85:18 lucky 238:5 lump 34:22 lunch 6:6 167:10,13,18 lung 101:15 Lutzow 2:12 35:18,19 66:9,10 89:1 128:20 153:10 160:22 273:16

312:22 320:16 Lynch 2:4 60:4,5 313:19 LYTLE 2:12 126:8 127:13 147:8 282:21 283:11 285:7,10,13 314:18,20 317:13,17 318:12 320:12 324:18 325:1,4 Μ MA 54:18 55:13,18 75:15 ma'am 316:2 Madison 3:2 7:17 293:15 295:8 308:9 magnitude 231:1 mail 271:14 273:10 mailbox 51:2 281:3,8 main 18:15 47:18 136:11 138:13 188:18 199:8 251:20 maintained 149:11 Maintaining 7:10 maintenance 245:14 major 15:17 32:10 103:7,18 150:15 163:19 187:10 206:16 211:10 220:7 233:15 244:15 majority 280:5 making 61:11 124:21 128:1 230:14 274:18 287:13 male 272:14 Mallery 3:17 238:19 239:19 260:6 266:4 287:19,19 man 130:22 manage 99:18 330:1,2 managed 35:19 176:14 203:3 206:12 229:9 245:6 249:9,13 278:6 306:8 311:9,13 322:11,21 management 266:22 267:8 276:15 278:14 manager 3:2,5 9:5 262:10,12 266:21 268:7,21 269:2,4,11 270:5,6,10,11,14,21 271:1,2 294:4,15 295:1 managers 69:5,17 264:17 267:11 268:4 268:11,13,15 270:4 301:7

273:16 290:14 306:16

managing 249:7 mandated 15:22 manifest 23:21 manner 180:9 223:21 223:21 manual 271:18 manuscript 227:2 map 43:13 178:10 190:13 192:2,8 193:5 215:2 236:12 289:19 mapped 190:6 mapping 188:15,20 maps 204:15 **MARCH** 1:14 Marcia 3:5 8:15 marital 48:1 51:20 85:5 143:7 Mark 169:21 Mary 301:20 302:2,2 Maryland 243:10 mash-up 202:15 mask 136:14 masked 92:9 master 172:17 match 84:14 144:14,15 145:10.12 matched 59:1 230:8 material 204:3 219:2,5 materials 316:20 329:4 matter 2:2,7,10,16 20:11 127:6 133:9 152:14 156:7 157:6 163:10 167:14 237:1 262:18 274:11 294:5 330:20 mattered 157:1 matters 296:15 maximize 110:19 MBA 2:12 3:5 4:2 MCBS 48:21 49:18 60:15 64:19 65:14 **MCO** 307:1,4 MD 2:6,16 3:14 meal 295:4 mean 62:20 75:14 78:19 89:1,2,5 105:19 113:21 114:3,6,6 117:3,14 118:19 119:1,7 126:21 130:12 136:17 144:1 146:11 147:3 151:3 156:12 157:17 158:9 159:15,17 172:17 200:14 207:2 269:18 283:17 306:19 307:8 311:6 319:7 meaning 137:16 meaningful 110:4,8

156:15 184:4 186:19 196:21 252:19 meaningless 324:1 meanings 301:2 means 96:22 146:5 310:2 311:8 measurable 110:5 measured 23:3 46:15 140:11,18 185:16 200:1 216:20 222:21 222:21 measurement 3:4,6 22:18 38:16 80:1 101:5 111:19 112:17 112:18 119:22 121:1 121:16 138:9,14 155:1,7 162:4 163:5 168:10 169:6 170:7 171:8 172:20,22 173:13,16,20 178:20 181:3 184:10 185:8 185:17 187:12 206:16 207:4 208:6,9 210:2 216:21 219:21 220:3 220:7,9,16 235:1,10 313:22 316:21 320:1 measurements 25:3 70:8 measuring 9:16 21:4 25:1,2 48:18 55:22 64:2 120:16 217:2 314:12 320:4 meat 219:9 mechanisms 241:14 Med 2:6 median 64:7 65:3 Medicaid 2:11 3:16 7:2 17:8 57:7,10 58:21 59:1,6 72:1,20 75:1 85:4 114:2,3 117:5 153:1 238:16 240:16 241:2,7 243:5,16,22 250:1 267:5 282:16 284:22,22 286:4 304:21 322:17 Medicaid's 241:10 Medicaid-eligible 325:17 medicaid.gov 242:13 medical 2:6 23:3,6 30:8 46:5 47:9 50:7,16 53:10,12 84:3 85:12 87:2 88:4 90:12,13,18 109:5 114:12 129:5 130:8,10 263:4,6 294:7 322:13 Medicare 2:5 3:16 7:2 13:21 15:14,19 16:6

16:10 17:8.19 18:5 20:15 21:13 24:2 25:6 29:2,3 30:11 33:13 40:7 47:7,17 48:20,20 49:1,9 51:17 60:12,19 61:14 64:18 72:20 76:12 77:3 85:3 105:12,14 152:20 282:16 283:16 284:22 285:1 286:4,5 317:4 320:9 322:16 325:16 Medicare's 5:10 Medicare-funded 66:16 66:21 **Medicare-Medicaid** 2:12 120:4 medication 23:15 90:6 295:4 Medicine 16:15 164:13 164:19 MedPAC 55:12,15 meet 21:15 22:1 128:4 196:21 280:9 meeting 8:12 14:18 20:18,21 99:18 119:19 139:11.13 164:4.10 165:14 240:12 292:20 296:16 304:8 305:21 325:12 325:22 329:4 meetings 164:11 meets 72:7 members 5:14 11:19 12:18 13:4 68:17 69:2 120:1 166:17 175:15 181:19,19 183:13,20 187:1 209:18 223:3 264:3 272:17 273:21 296:14 315:14 329:19 memory 44:9 mental 35:9 69:9 102:9 112:12 176:1 244:4 mentioned 35:7 48:7 54:16 59:10 118:5 123:1 125:21 126:19 127:15 131:8 163:18 218:1 245:17 300:11 mentioning 190:19 merge 146:7,22 merging 107:1 146:11 147:1 message 119:9 303:18 305:3,4 met 1:18 21:8 149:19 197:10,19 296:16 300:4 **method** 190:2 methodologies 282:18

methodology 39:9 91:18 93:7 104:7 152:9 162:18 281:20 methods 93:6.8 148:16 159:6 metric 118:14 151:10 232:17 metrics 276:4 297:17 MHS 2:6 Michael 1:21 2:3 5:2,12 6:4,11 7:3 73:15 176:5 201:22 228:22 329:19 **MICROPHONE 288:17** 290:16 291:19 middle 45:10 132:1 migrate 129:19 migrated 281:8 million 145:22 151:5 mind 11:3 12:20 14:11 28:19 65:12 82:14 87:17 166:16 168:21 205:21 206:6 210:21 216:16 326:8 mine 17:22 minimizing 223:7 **minimum** 91:10.22 92:16 94:5 163:2,4 Minnesota 3:11,22 6:7 6:10 8:20 72:13 73:1 85:9 105:10 169:20 171:9 217:9 235:8 243:10 267:4 271:7 282:13 283:8 284:11 304:14 Minnesota's 168:11,19 284:21 minor 124:22 minute 174:15 180:5 236:21 248:2 330:9 minutes 44:18 145:20 205:17 219:12 251:9 273:13 283:12 306:10 **MIPS** 18:7 missed 71:18 missing 66:13 186:13 215:8 mission 201:19 mistakes 314:15 mitigate 100:2 mix 19:19 39:15 70:16 79:15 92:4 125:5 143:6 154:18 252:1 288:11 mixed 104:16 MLTSS 311:11 **MMCo** 74:6 127:17,19 283:21 304:8,10

327:1 MMP 270:3 271:2 316:5 **MMPs** 38:13 73:22 283:8 284:3 314:3 316:9,12 317:7,11,19 mode 279:22 model 53:11 136:22 137:1,4 142:11,13 151:8,10 322:16 modeling 29:8 models 19:5 27:13 134:8,12 140:1 141:16 143:18 148:2 148:17 149:13 317:18 moderate 21:10 Moderator 5:12 6:4,11 7:3 modes 254:9 257:2 272:22 278:10 modifier 18:6 29:17 module 252:3 276:8 moment 62:8 88:8 98:9 246:10 248:8 Monday 139:13 164:10 **money** 103:3 109:13 115:3 116:7 130:10 156:11,16 157:4 263:16 monitor 24:16 259:12 277:4 monitoring 25:5 319:10 monthly 209:19 months 219:18 226:17 231:19 234:19 morning 14:16 60:5 80:21 87:1 142:5 163:18 166:1,11 301:22 morphed 197:22 mosaic 210:8 Motor 11:17 12:1 move 14:11,12 15:18 28:13 35:13 44:16 48:14 63:7 100:14 127:12 138:2 139:9 157:4 167:9 168:22 169:9 200:3 221:8 222:3 224:4 239:10 256:3 287:21 294:11 314:14 316:10 323:12 326:2 moved 156:16 209:10 **movement** 117:14 124:14 219:20 306:1 moves 305:14 moving 45:10 137:19 156:11 193:4 232:13 248:5 311:10 316:10

MPA 2:7 **MPH** 2:4,11,12 3:2,3,3 3:11,14 MPP 2:3 **MSN** 2:9 **MSPH** 3:18 **MSSP** 18:5 Mukherjee 3:3 5:12 82:6 100:4 209:1 289:3 291:5,8,11,17 291:20 292:6,11 329:17 multi- 132:2 multi-analysis 180:7 multi-sector 101:12 multiple 92:3 103:1 112:16 115:16 162:2 170:18 172:10 208:4 208:4 244:22 266:21 301:2 302:8 MUNTHALI 3:3 96:5,15 131:5 mutually 212:2 Ν N 5:1,1 52:19 **N.W** 1:20 n=100 223:13 nail 179:19 NAM 165:13 name 9:4 205:4 239:15 269:11,19 271:6,11 names 193:9 naming 253:10 narrow 101:5 268:2 narrowing 227:14 national 1:4,18 2:11,19 16:15 41:13 47:5,16 48:10,15 52:18,22 56:13 57:14,20 58:17 59:18 61:6 77:18 85:13 88:14 98:5 101:9,11,12 102:2,5,5 102:12,14,21 103:8 103:12 110:21 112:2 114:17 115:18 121:13 129:18 154:13,19 162:19 163:12 164:1 164:13,19 170:4 171:15 172:19 174:3 174:13 175:17 189:13 193:9 196:17 210:2,6 225:4 227:22 240:3 242:1 289:17 303:19 304:16 307:12 nationally 171:9,18 178:7 217:9 natural 21:18

nature 8:8 142:15 NCA 115:17 **NCI** 94:9 107:1 115:17 123:12 208:3 210:13 218:1 225:21 NCI-AD 116:12 NCOA 290:3 NCQA 114:22,22 115:7 NCQA's 161:7 nearby 264:3 nearly 15:19 55:17 necessarily 63:13 110:5 113:10 167:9 211:12 228:19 necessary 163:2 170:14 217:4 necessity 128:12 need 24:11 40:21 41:15 41:15 63:1,13 79:13 79:14 89:16,21 90:2,5 92:10 100:8 103:9,14 113:9 117:2 118:14 120:12 126:2,17 127:18 130:14 131:2 131:7,16 132:16 141:15.18 154:4 165:20 167:11 185:7 186:4 187:1 203:10 211:1 217:16 220:12 221:12 223:6 231:13 240:1 243:14 256:1.8 259:7 280:8 288:2 291:13,16 293:14 302:16 306:17 311:11 315:8 320:19.20 324:2,7,10 326:6 328:5 needed 52:7 61:10 184:17 186:15 187:22 240:17 305:5 needing 256:6 276:20 needless 99:12 needs 87:10 90:17 92:4 104:22 108:18 109:1 120:3,9,14 127:11 135:7 203:17 251:17 255:20 265:5 275:16 295:3 296:16 307:9 322:10 323:5 nefarious 133:3 negative 30:2 161:8 neighborhood 23:12 48:4 52:9 65:4 71:12 84:11 85:1 92:12,21 95:6 97:16 106:15 107:5,12,16,18 111:2 123:2 neighborhoods 39:13

98:1 Neither 156:5 net 218:5 228:12 network 316:20,21 neutral 107:19 never 128:14 254:16 299:4 313:2,2 323:18 new 2:9 8:13,21 9:19 10:13 12:8 16:10 25:6 29:19 47:8 48:16 50:16 71:12 95:4 162:4 172:14 174:1 177:7 184:15 197:8 206:3 221:18 229:7 243:10 295:21 302:20 311:13 312:17 325:12 329:19 newbie- 309:22 newbies 327:22 newer 230:11 newly 174:5 222:6 295:22 news 55:2,3,11 330:6 nice 43:4 88:14 95:21 124:16 161:7 200:15 260:20 niche 59:22 NIDILRR 170:8 197:9 231:22 234:22 **NIH** 94:12 Nike 40:10 nitpick 313:4,13 nitty-gritty 63:1 noise 56:3 non-adjusted 136:18 non-aged 33:11 non-dual 152:15 **non-dually** 137:12 non-duals 34:18 108:2 108:7 non-elderly 102:17 non-endorsed 159:22 non-English 93:9 non-response 97:13,19 non-SDS 136:6 nons 34:13 **normally** 19:11 note 13:8 70:1 95:9 274:3 318:12 noted 9:13 10:15 11:5 123:19 243:13 245:16 246:15 296:8,15 328:15 notes 81:9,17,22 328:15 noticeably 67:9 noticed 53:8 noticing 281:10

NQE 242:1 NQF 3:1 6:1,1,5 7:14 9:6 11:4,10,16,22 12:10,11,12 13:3,3 25:20 42:1 43:12 96:4 99:8 124:14 126:15 128:22 129:9,17 131:21 133:16 134:5 138:5 148:15,22 152:8 156:19 157:1 160:3 166:19 171:20 172:6 173:4,12,16 177:5 178:22 179:6 179:12,18 180:22 184:17 186:12 187:12 188:4,17,20 190:6,13 190:18 191:5,20 192:3,8 193:13 205:19 207:13,14,20 207:22 208:1,17,19 209:3,8,18 224:19,22 226:13 228:21 232:4 234:5 236:4 239:14 242:10 245:12 248:7 260:10 261:9 265:4 276:4 293:12.13 298:7 325:18 327:6 330:3 NQF's 139:8 295:16 NQF-certified 311:7 NQF-related 219:22 NQF-relevant 134:4 NRI 117:13 196:1 203:10 nuances 317:20 number 28:19 30:20 51:16 52:18 54:9 68:4 68:5 69:6 83:5,8 118:18 120:1,5 138:7 142:6,18 149:9 157:16 167:1 170:5 178:11 184:21,22 186:21 189:18 196:5 197:20 209:18 218:5 221:7 222:14 284:7,8 293:13,20 294:2 298:8 304:19 326:12 numbers 179:13 184:22 191:5 193:2 258:1 Numerous 296:3 nurse 66:18 nursing 11:18 18:9 66:16 143:4 218:5 238:17 240:20 270:20 303:22 321:2 Ο **O** 5:1

O'Rourke 3:4 6:3 133:14,15 136:19 138:1 144:6,14,21 145:2,7,15 147:11 150:10,19 151:4 152:11 153:21 157:18 158:12 159:7,12,19 165:3,21 objective 207:13 observation 36:8 37:4 observational 217:18 229:4 observations 93:17 observed 26:10 69:4 70:17 obtain 224:10 obtained 259:4 **obvious** 73:6 obviously 52:6 62:12 165:1 206:10 288:21 300:21 occasions 197:20 **Occupational** 2:9 occur 66:17 68:6 occurred 169:11 245:13 October 243:7,7 245:13 300:10 odd 43:14 157:17 odds 20:18,21 offer 52:17 offered 250:3 296:6 office 2:13,13 3:15 4:2 4:2,3 5:7 97:1 114:2,3 313:21 314:5 325:9 office's 318:22 officer 197:10 232:1 offices 128:14 official 164:1 officially 330:19 offset 27:8 Ohio 170:3 221:16 270:2 old 43:17,18 70:5 older 9:10 43:18 92:2 278:22 280:14 Olmstead 57:4 **ONC** 242:16 once 17:2 21:16 87:18 156:14 208:6 214:21 215:4 245:3 259:17 one's 189:17 one- 84:13 ones 31:16 83:2 85:8 94:10 101:15 105:14 110:1 125:9 132:15 140:14 150:12 156:4 189:13,15 192:6,18

195:20 196:9.11 204:11 205:5 218:1,3 227:19 228:16 230:1 230:3 276:4 291:9,15 310:8 313:15 316:16 322:15 323:3 ongoing 325:15 online 278:10 open 50:22 218:14 238:3 309:4 310:17 311:22 opening 126:5 166:16 326:8 **operate** 76:12 operated 57:20 operating 249:6 operational 172:7 181:1 212:17 213:1 operationalize 97:5 operationalized 57:5 operationalizing 98:7 134:22 Operator 166:21 246:4 246:5,6 247:6,15,18 326:10.14 opinion 163:6 opportunities 7:6 12:17 278:5 297:8 opportunity 22:15 29:16 30:5,9 51:5 81:19 98:11 117:15 132:17 160:18 169:3 177:7 276:5 297:5 306:1 312:11 314:4 328:2 **opposed** 38:12 64:10 65:16 108:13 146:12 157:10 208:2 273:7 280:17 281:21 307:1 310:7 319:21 opposite 37:14 162:14 optimization 183:18 option 76:3 252:3 254:7 254:16 280:5,7 options 161:13,15 189:3 order 38:22 63:6 69:5 70:14 74:9 103:4 115:4 126:2 174:8 206:2 214:2,5,10 223:19 277:3 283:19 314:17 organic 124:6 organization 38:1 76:17 132:3 162:19 212:21 249:9 277:14 293:1 organizational 230:12

organizations 77:20 131:9,21 170:6 176:14 208:10 210:2 235:5 249:13 organized 320:17 orient 216:17 orientation 83:18 84:10 original 33:13 52:4 314:16 originally 10:6 186:12 237:7 orthopedic 101:19 OTR/L 2:8 ought 93:3 107:20 outcome 11:6 13:1,9 19:11 20:16 23:17 26:19 57:21 58:18 68:13 75:11,12 96:1 102:4,22 103:12,21 111:6 112:3 114:18 135:2 137:7 140:16 141:9 142:21 168:10 169:6 170:7 171:8 172:20 180:20 199:4 208:18 209:5,13 210:4 219:21.22 220:8 226:19 outcomes 12:15 19:1,4 22:19 23:20 27:1.5 28:5 30:17 45:18 46:4 47:2 49:22 50:2,19 52:10 53:20,21 54:4 61:21 62:12 76:19 92:14,20 94:13 107:4 107:7 109:2,5 120:12 120:17 151:10 161:22 170:16 173:17 174:11 175:3 179:9 188:7 198:9 208:21 217:13 217:14,17,22 226:14 230:8,21 231:3,6 235:21 243:16 289:21 313:7 323:13,19 outlines 244:15 outreach 185:10 outside 90:11 114:12 154:12 198:7 236:11 314:6 outwardly 98:22 over-65 55:16 overall 10:14 91:9 120:22 251:19 256:13 overburden 213:1 overcome 57:2 overdue 305:5 overlap 58:14 83:13 191:8 overlook 109:11

overlooking 103:18 oversee 139:4 overseeing 249:7 overview 5:13 6:12 7:4 15:4 28:10 46:20 181:13 187:8 240:8,9 260:10,20 262:5 overwhelmingly 240:19 Ρ P-R-O-C-E-E-D-I-N-G-S 8:1 **p.m** 167:15,16 237:2,3 330:21 PACE 52:4,18 53:6,8 103:19 package 104:14 295:21 322:13 page 313:6 329:1,2 pages 42:19,20 paid 116:9 Pam 71:16 159:8 266:14 281:11 317:22 Pam's 44:9 73:17 304:7 panel 48:22 134:17 135:4 136:7 250:4 264:21 301:13 Panel's 134:18 panels 221:15 223:4 231:18 paper 90:20 94:2 paradata 97:20 paradoxically 123:9 paragraphs 300:8 Parker 43:9 44:13 71:16 71:17 73:1 75:21 76:2 76:6 103:16 124:18 125:10 159:9,15 160:9 266:13,14,19 267:19 281:11 282:22 284:16 285:9,12,15 286:11 298:18 299:3 305:10 316:3 317:16 318:3 319:3,6 parochial 311:9 parse 203:13 parsimonious 231:6 parsimony 205:20 part 15:6 26:5 33:22 34:4 35:4,14,22 36:6 39:3,19 40:2 41:3 56:7 60:7 61:6 65:10 68:21 84:18 110:11 117:3 130:15 135:18 154:8,13 163:12 176:16 177:2 178:18 179:18 206:17 222:16 246:21 254:6 257:13

264:20 267:5 293:19 303:7 305:6,7,21 318:16 325:9 327:16 partial 34:10,14,20 partially 184:13 partials 34:11 participant 206:8 308:19 310:11 participants 178:4,10 205:18 225:6 256:15 256:19 257:1 279:4 280:12 304:20 participate 206:8 216:4 254:10 participated 242:19 243:6 participating 231:17 245:19 participation 250:7 254:4 258:9 279:21 participatory 176:21 particular 38:6 42:4 59:20 70:13 71:5 78:22 79:2,10 141:9 195:13 196:12 199:19 249:1 271:21 326:21 particularly 24:15 37:22 38:1 39:12 70:3 78:1 87:20 111:3 122:6 151:22 158:2 272:19 287:15 299:17 parting 311:21 partner 327:2 partners 131:18 169:17 partnership 1:8 48:1 84:10 96:7 131:9 parts 58:4 232:13 party 176:8 passes 309:13,14,15 path 139:12 150:1,7 166:10 pathways 115:16 patience 329:12 patient 18:20 30:7,14 102:3 140:18 142:20 144:16 289:21 patient's 144:13,15 patient- 94:12 217:12 patient-level 143:14 patient-reported 26:18 62:12 63:2 96:1 209:5 209:13 217:17,22 289:20 patients 9:11 12:4 26:15 30:8 31:9,18 45:22 56:1 111:16 pattern 21:10 patterns 18:19 22:13

46:3 255:8 272:12 pause 28:12 98:9 99:1 246:12 247:14,20 312:5 326:13 pay 106:20 115:12,13 147:8 204:13 323:4 payer 143:6 152:20 160:6 327:4 payers 152:18 198:17 paying 29:18 payment 5:10 13:21 15:20 17:19 18:2,6 24:4,20 25:6,6 27:9 29:17 30:3 47:7,17 58:11 60:13 80:1 139:2 payments 278:14 **PCA** 280:12 PCP 67:7 peace 100:1 pediatric 142:21 penalized 46:1 penalties 20:5,7 156:2 penalty 30:2 **PEONIES** 189:19 193:10 196:19 197:3 197:18,22 199:11,20 200:9 203:11 people 8:7 11:12 27:20 32:18 35:7 37:10 43:20 65:10 68:12 73:4 75:6,7,9 87:8,14 87:21 94:14,15 95:22 97:22 99:20 102:6,8 103:4 104:12 107:4.7 107:10,17 108:2,8,17 108:17 109:8 112:21 122:22 123:12,15,17 124:4,7,10 131:8 137:11 154:22 170:10 182:9 184:9 186:1 192:5 195:8 201:18 204:20 215:20 216:3 216:11 221:4 235:18 237:11 240:17 254:10 266:8 267:11 269:20 280:6,20 283:4,16 284:19 287:12,16 289:13 290:11 299:7 299:8 302:17 307:15 313:6 315:19,20 323:13,20 324:8 325:11,16 people's 76:19 109:1 perceived 27:8 percent 9:10 20:21 21:3 21:17,21 22:2 36:14 36:15 53:2 54:11

113:20 120:3 195:8 233:7,7 241:6,11 256:14,15,19 273:19 273:21 279:11,15 280:2,4,16 287:16 309:15 311:2 322:12 percentage 37:2 92:1 193:1 241:2 259:12 percentages 234:4 258:2 perception 112:4 perfect 39:22 133:14 306:20 307:10 perfectly 10:21 314:5 perform 38:10 141:14 performance 5:9 19:10 19:18 24:14 25:1 29:9 34:14 38:7,15,18 40:9 41:14 45:21 46:10 47:3 50:4,20 54:22 55:18 61:22 78:4,8 91:6 119:22 120:6 121:1,15 142:12 155:7 162:4 163:5 175:1 184:20 191:13 192:21 209:15 232:16 233:3.4 249:2 276:19 277:4,12 278:4,13 296:21 297:1,5,11 300:5 313:5 performer 29:22 performers 80:3,7 performing 31:12,13 performs 118:10 period 6:2 25:21 26:2 42:3,6 133:19 134:5 134:13 135:14 136:13 139:4,10,21 141:18 149:10,21 173:9 235:12 258:11 276:18 328:19 periodic 139:6 permanent 139:19 persistent 107:6 person 56:1 74:13 89:9 92:21 95:7,7 97:17 109:13,15 113:2 114:20 115:4 143:1 147:19 153:8 154:10 204:21 217:3 253:19 255:20,22 260:2 263:13 266:1,15 267:1 268:14 269:1 271:6 272:18 274:19 275:17 279:6 280:4,7 280:9,10 282:8,9 283:3 292:6,20 person's 137:7 147:15

147:18 251:16.19 257:10 262:19,22 269:11 person- 208:20 235:18 person-centered 116:18 189:5 198:10 person-centeredness 190:20 person-reported 208:18 person-to- 115:3 personal 57:21 58:18 75:22 76:7 102:21 103:12 108:4,8 112:3 114:18 181:20 182:5 199:4 210:4 230:9 242:16 255:17,21 256:3 261:12 263:12 264:16 265:15 268:7 270:16 274:1 279:1 294:8,13,19 personality 109:2 personally 181:5 305:7 322:8 **persons** 175:15 182:4 182:16.19 183:21 184:5 186:22 240:22 315:18 perspective 36:17,18 111:8 116:4 203:1 289:1 307:13 313:1 315:22 320:6,7 perspectives 290:12 pertain 261:12 **PFCC** 292:6.20 **Pfeiffer** 169:22 pharmaceuticals 123:17 phase 177:3 244:21 245:8 phases 227:14 244:16 **PhD** 2:7,8,10,12,16,19 3:5,5,8,13,16,17,20 4:2.3 **philosophy** 210:7,12 phone 62:21 132:22 137:19 215:15 272:7 279:5 283:3 phones 93:11 phrasing 304:2 physical 21:5 112:12 113:4 170:20 175:21 182:17,20 184:5 244:1 251:17 256:17 265:6 279:1 295:7 physically 102:17 186:2 physician 29:16 78:1 physicians 78:20,21

113:17 **PI'd** 221:1 **pick** 26:14,17 125:18 274:8 picking 89:2 picks 54:19 274:6 picture 20:12 32:20 47:6 62:19 pie 192:22 piece 55:10 74:11 79:8 87:11,18 145:6 204:12 224:1 pieces 16:1 79:8 213:6 233:13,16 piggyback 138:11 pilot 102:16,16 222:11 223:13 224:6 226:17 230:17 238:18 242:19 243:3,7 245:4,8 250:10,14 256:12,22 257:15 258:3 297:3 **piloted** 224:20 piloting 214:20 215:10 216:15 231:4 pinch 100:9 place 17:20 70:11 74:3 74:8 80:11 121:6.18 139:21 186:9 187:22 216:22 220:12 243:9 320:8 327:18 places 52:12 117:1 280:19 plainer 137:15 plan 10:4 35:19 46:21 49:3 50:7 65:2 76:3.4 76:7 89:16 90:13 97:2 104:15 105:11,12 116:4,21 130:14 135:12 138:14 139:15 149:20 199:5 200:13 203:1 242:15 262:20 262:22 270:5,11 285:16 307:12 317:17 322:21 planned 104:14 planning 2:14 3:14,15 4:3,4 5:6,7 61:1 116:18 176:10,21 183:4 219:15 263:22 294:8 plans 2:4 15:5 35:22 36:2,6 38:10 46:21 60:6 69:3 74:5 75:15 85:3,18 105:13,14 115:1,8 116:8 117:8 120:3,4 130:15,16,19 155:8 176:9,13 198:16 232:19 278:3

284:13 314:14 318:19 platform 246:14 308:13 316:8 play 15:17 48:5 99:19 153:14 283:20 players/organizations 220:8 playing 156:3,3 plea 313:20 316:4 plead 305:9 306:2 please 15:11 16:21 18:14 20:9 21:12 22:4 23:22 25:11 26:20 45:14 46:19 47:15 49:15 50:5,21 81:8,13 120:21 166:22 169:14 171:10 172:16 174:12 178:1 194:18 200:6 218:11 222:16 229:20 239:21 240:7,13 241:16 242:18 243:13 244:6 246:10 247:12 249:15 250:9 252:5 253:4 254:1 255:2 256:9 257:3 258:12 259:16 260:8.12 261:20 262:8.16 263:2,10,20 264:8,18 265:10 275:11 276:12 277:20 279:8,19 289:5 309:18 310:18 326:11 pleasure 327:22 **plots** 54:6 pneumococcal 9:9,12 9:20 pockets 40:20 point 24:10,18 32:7 33:5 37:17 54:14 68:11 71:7 73:17 74:9 75:5 76:8,22 92:17 94:2 96:12 97:4 113:8 114:9 124:20 125:15 144:1 153:21 165:4 165:12 174:18 189:12 196:5 203:16 205:9 209:20 211:16 214:15 217:1 276:19 298:2 304:6 306:13 319:8 324:2 pointed 233:1 points 114:1,13 165:4 206:14 245:15 policy 2:7 4:2 13:21 47:12 56:13 108:3 134:9 138:9 139:20 156:1 172:6 227:22 policymaker 79:22

policymakers 24:5 politically 142:15 poor 19:4 46:4 49:21 92:20 106:10 284:19 286:16 poorer 45:18,21 46:10 poorest 80:2 poorly 53:15 56:4 popping 111:3 population 5:16 6:14 6:16 7:8 10:7,17,21 11:4 27:21 30:7,14 31:12,13 32:11,16,21 34:6 36:13 64:19 74:15 82:13 90:17 102:10 119:12 128:9 140:19 154:18 163:20 178:15 180:10 184:7 190:20 238:2 258:2,6 272:18 280:3 282:1 282:15 284:2 315:6 316:15 319:2 321:12 322:7 population-based 121:15 populations 33:2 40:19 54:3 55:6 59:3 69:18 87:21 101:7 103:6 170:18 172:10 173:3 175:19 179:4 205:6 226:12 228:15 279:12 317:20 portfolio 158:17 portion 11:8 241:12 portions 54:3 position 47:20 63:3 64:22 83:10 90:20 118:7 positioned 314:6 positive 13:1 55:21 56:5 299:13 positively 288:6 possessions 263:17 possibilities 55:2 possibility 55:4 possible 52:12 60:17 61:5 63:16 77:13 89:17 152:7 212:4,8 213:14 216:13 231:11 232:3 252:12 257:6 269:8 272:14 276:1 307:16 **post** 300:1 Post-Acute 15:14 post-discharge 10:1,3 10:10 post-hoc 180:11 post-inpatient 67:8

posted 329:5 potential 27:13 74:9 84:18 96:9 139:12,18 141:7,18 147:22 151:6 165:17 253:2 265:8 300:17 potentially 55:8 72:22 74:4 134:15 215:6 216:4 226:19 228:4 268.11 Potter 2:13 44:8 96:19 145:21 146:9 152:16 158:7 194:16 195:15 207:8,9,17 208:16 212:10,11 214:1,5,10 232:8 237:18 272:1,2 281:1,2 301:11 poverty 47:20 69:8 85:12 130:19 power 146:7,21 powerful 17:12 19:4 125:4,14 126:11 PowerPoint 43:5 292:13,14 **PPDM** 194:9 practical 82:17 86:6,9 practice 19:7 160:5 practices 31:2,20 54:2 77:19 173:20 pre- 137:5 precisely 11:13 32:12 164:6.7 precursor 192:13 predictably 108:1 123:4 predicting 151:10 predictive 92:13 107:4 predictor 19:4 323:19 predictors 49:21 predicts 108:21 predominant 17:7 58:21 predominantly 101:18 prefer 274:8 280:5,7 preference 28:14 274:12 preferred 253:17 257:2 280:10 preferring 273:6 prefers 254:21 preliminary 54:19 279:9,21 preparation 295:4,4 prescriptive 148:11 149:1 present 2:1 3:7 4:1,10 66:18 134:11 140:9 presentation 6:7 7:1 13:14 14:21,22 44:17

44:18.20 86:22 149:16 201:3 232:9 232:11 237:13 246:1 246:20,22 251:12 275:5 293:19 294:1 presentations 8:17 101:10 330:7 presented 43:6 139:14 142:6 presenters 13:15 presenting 45:9 138:12 presents 258:1 284:2 President 3:3,5 presiding 1:22 press 166:22 318:2 326:11 pressure 8:15 128:19 129:16 pretend 80:18 pretty 15:1 19:8 29:19 34:21 42:1,17 54:13 54:16 78:2 80:8 119:4 181:12 219:14 274:5 285:20 prevalence 102:10 140:11 prevalent 47:10 50:8 prevention 321:5 preview 141:3 previous 52:3 55:13 164:11,16 231:2 previously 52:17 157:21 165:11 178:8 primarily 190:22 primary 37:14 69:19 85:3 90:7 152:20 169:17 287:5 principal 3:11,17 168:18 238:13,20 principles 205:20 printed 271:16 prior 35:3 53:5 134:8 141:17 150:14 238:5 241:22 prioritize 179:4 230:20 prioritizing 88:15 222:18 priority 69:5 120:1 289:22 290:4 303:13 310:13,14 privacy 256:3 261:18 private/public 62:18 Pro 13:8 290:13 PRO-PM 295:21 probably 22:5 34:3,6 36:17,19 37:21 38:21 40:16,17 54:16 69:16 72:14 75:5,10 113:12

113:13 127:11 128:5 130:11 131:14 138:2 142:4 206:14 215:21 219:11,13 246:21 318:13 problem 80:17 89:13 92:5 104:19 113:16 144:19 146:1 problems 74:20 80:12 104:3,18 105:8 277:1 procedure 108:4 procedures 297:15 process 7:4 19:11 20:16 38:13 65:8 72:19 89:13 96:4,11 99:3 114:21 132:13 135:18 145:22 155:3 157:13 158:14 172:12 175:12 176:19 177:1 177:3,20 187:17 206:18 208:20 221:19 221:20 222:1,17 223:11 224:18 225:9 241:17 244:11,12,16 244:16 249:16 315:11 315:11 produce 207:2 produced 47:16 product 48:11 161:10 164:14,21 productive 8:10 proficiency 93:1 profile 105:11,12,13 profiles 105:13,16 profound 155:16 program 20:15 21:19 25:6 29:4,17,17 31:5 43:1 47:3,12 52:4 53:7,8 55:19 61:15 80:5 123:18 168:15 170:13 175:16 176:16 189:15 205:5 249:5,8 249:20 253:6 267:5 268:2,19,21 269:2,5,7 269:21 270:2,8 272:10,13 273:4 276:15,16 277:6,8 279:2 287:2 301:16 302:9,11 314:1 program's 249:1 program-specific 253:14,21 programs 3:10 5:10 6:10 17:20 18:3,11 20:5 22:18 24:4,20 25:3,7 27:4,10 30:11 33:16 45:17 52:18 54:21 57:8,19 58:11

62:17 80:1.5 89:6.7 138:22 147:2 170:7 206:17 211:10 215:12 219:21 220:3,7,16,20 225:21 232:20 238:10 243:2,5,22 245:5 249:12 250:1,3,8 252:3 253:11 255:12 256:15,19 257:1 266:22 267:5 269:4 273:5,6 275:21 277:10 278:2,4,6,22 296:2,6,11,11 297:16 302:18 progress 24:16 120:15 227:6 progression 224:18 prohibited 134:9 project 3:2,2,5 6:1,1 9:5 85:10 169:12 178:4 197:10 210:16 218:19 232:1 277:6 282:13 329:1.8 projects 45:10 49:18 50:6.11 108:21 172:19 197:13 241:18 prominent 165:14 320:22 **PROMIS** 94:11 95:16 96:6 101:10,11,16,17 103:11 promising 224:21 226:13 227:13 promote 56:22 138:16 201:5 prompts 257:21 proper 38:19 properties 200:18 211:14 225:14 **proportion** 21:14,22 22:22 29:7,11 40:9,12 54:11,22 proportional 177:18 proposal 211:7 proposals 127:2 propose 298:14 proposed 219:10 285:4 proposing 206:4 proprietary 202:5,11,13 204:3 206:5 208:8 pros 12:15 39:22 40:1 prospectively 25:5 proven 145:11 provide 12:18 23:1 59:11 86:2 139:5,7 177:11 216:4 228:13 234:17 250:21 251:19 252:4,6 253:5 254:2

260:14 266:18 311:20 provided 82:22 140:14 149:19 163:9,12 181:2 235:18 240:19 241:13 276:9 277:7 293:3 297:7 304:18 provider 10:2 15:18 18:20 19:15 20:1 47:3 50:4,20 77:8 79:8,9 151:22 153:5 154:14 176:17 183:12 235:5 270:15,17,18 290:6,6 321:14 provider-specific 253:7 253:15 providers 19:2,16 20:6 20:7 22:21 25:8 27:14 36:4 45:19,20 46:9,14 53:17 55:4 61:18 77:7 77:13,17 78:14 79:14 79:15,15 80:10 88:4 155:8 175:16 181:22 182:22 183:18 187:1 249:18,21 253:10,12 264:15 266:17 270:19 277:14 318:4.18 322:18 provides 161:16 234:11 providing 28:4 86:3 171:6 181:3 257:20 266:8 274:19 300:17 proxies 106:1 108:16 147:14 258:2,5,18,19 259:5,8,10,13,15 279:7 282:7,7 283:2 287:6 288:6,10 proxy 60:20 73:10 84:22 104:6,7 107:16 113:2,2 143:7 148:9 223:6 251:2 253:3 257:8,11,14,16 258:9 258:13,21 259:1,3,19 279:17 280:17 286:22 287:10,13 288:1,12 psychiatric 10:7 170:21 175:22 psychiatrist 265:22 psychiatrists 266:12 **Psychology** 3:10 6:10 psychometric 189:6 197:16 211:13 225:14 233:21 264:19 psychometrically 170:17 172:9 173:2 233:17 psychometrics 190:21 216:22 public 2:7 6:5 7:14

38:10 56:12 57:7 93:15,20 138:21 166:13,17,22 167:3 238:3 276:10 315:12 326:6,8,14 328:19 publicizing 25:2 **publicly** 97:21 publicly-operated 58:19 published 55:15 57:9 pull 165:10 201:7 210:7 210:11 293:5 310:5,8 314.7 pulled 68:19 292:16 pulpit 129:19 130:2 pump 106:19 purchaser 160:7 purchasing 20:4 27:4 138:22 purpose 89:10 101:5 130:3 190:21 192:4 201:4 327:16 purposes 103:21 257:15 **push** 54:1 138:20 147:20 154:4 308:6 321:19 pushback 148:3 151:22 pushing 81:3 put 8:14 18:18 34:1 44:5 62:7 91:5 119:15 123:10 125:3 132:6 137:15 139:15,21 141:22 142:10 147:18 174:14 230:2 265:2 267:15 286:6 287:12 300:21 308:7 326:19 puts 146:13 putting 80:10 187:17 231:18 305:22 Q Q&A 6:4,18 7:9 **QPS** 158:9.16 quadrant 242:5 quadrants 242:11 qualitative 16:13 54:20 68:19,21 69:15 94:17 199:14 220:21,22 234:10

qualitatively 78:7 qualities 189:6 258:20 quality 1:4,18 3:3,6,19 5:15 7:7 10:22 16:5,9 17:21 19:2,10,18 20:14 21:7 22:18,20 23:1,4 24:9 25:12 27:5 29:21,21 30:1

31:18 34:5.14 36:18 41:13 46:13 52:15 57:14,16,19 58:15 77:7 79:9,13 80:2 99:10,10 101:4,9 102:2,12 103:8 110:7 120:8 121:1,13 122:10,14 128:13 129:5 154:14,19 155:18 157:10 162:19 163:12,14,15 164:1 170:17 171:15 174:13 195:4 196:17 199:3 207:4 210:3,3,6 220:2 227:22 232:17 235:4 235:9 240:3 241:14 242:1 243:15,17 249:11 276:4,15 277:17 278:5,13 289:18 296:12 303:19 304:16 311:12 314:12 314:12 320:7 quantitative 68:18 94:17 184:12 195:5 199:14 200:1 234:9 quartile 30:8 question 32:13,22 39:3 41:17 43:10 44:16 51:12 52:16 61:1 67:1 70:2 77:5 79:5 87:16 90:15 101:3 110:3 112:20 116:12 140:16 150:9 151:5 156:18 158:7 166:19 178:20 195:18 196:13 197:1 199:2 202:9,12 203:10,11,11 204:1 209:22 210:20 211:5 211:6 213:4,6,15 214:2,5,6,10 233:12 234:16 252:10 254:18 255:19 256:5 265:12 265:14 266:20 273:14 302:19,21 304:7,9,11 309:21 questionnaires 13:5 questions 13:11 28:13 28:16 38:4 39:17 45:5 51:1,6,8 64:12,17 67:20 68:22 69:1 75:20 88:7 111:20,21 112:6,9 113:14,14 114:8 117:6,18,19 140:4 162:17 188:19 190:12,13 191:9,12 193:22 194:1 195:5 196:15 200:6 202:8 202:15 203:6 204:5,9

204:17 205:2.15 206:3 212:4,13 213:11,14 214:6,7 215:1,6,7,13 216:12 223:18,21 229:4 235:15,15 244:9 251:5,8,16 252:17,18 252:22 255:7,10,15 256:7 257:20 259:18 259:19 266:17 267:7 267:8 268:1,2 269:17 274:18 276:6 284:12 289:6 292:3,21 301:15 302:1 319:20 319:22 320:2,19 queuing 266:9 quick 46:20 131:5 185:5 187:8 194:17 209:2 219:14 237:6 292:11 309:21 quickly 132:21 162:8 169:10 174:20 176:22 181:12 219:9 224:15 quintile 22:3 quite 35:20 59:20 66:4 145:11 174:20 206:16 219:4 234:15 281:13 290:5 291:4 313:8,8 **guorum** 237:12 quote 207:15 R race 17:14 47:21 83:17 84:8 85:4 118:8 147:22 148:1 Rachael 4:3 13:17 14:3 14:9 63:8 80:20 Rachel 3:5 168:1 248:6 radar 284:4 Raetzman 3:18 239:3 239:18 265:7,9 274:14,16,16 275:6,9

raise 309:6,18 310:18

RAMONA 2:15 111:12

raises 162:17

rally 321:4 330:10

112:22 309:22

rampage 123:16

randomly 17:10

range 20:16 21:11

243:21 275:19 278:3

ranging 170:18 235:5

Raj 64:8

ran 19:5

279:11

ranged 257:19

ranked 206:2

RASK 2:16

256:14,18 279:14 rated 182:4,20 183:1,6 183:10,11,21 184:4 194:13 rates 54:12 123:19 256:10 278:9 279:10 279:16 285:6 rating 183:18 251:18 265:15 294:14,15 311:12 314:3,16 315:3,5,16 ratings 234:6 264:10,13 265:13 293:10 294:12 294:12 311:11 314:1 316:5 rationale 135:9 raw 193:2 **re-upped** 114:4 reach 81:8,12 273:20 reached 233:19 reaching 259:6 read 81:17 166:20 208:17 295:18 299:12 readily 67:22 143:17 146:15.16 reading 297:19 readmission 36:14,21 54:12 141:10 143:5 321:4 readmissions 31:5,17 36:10 37:16 50:13 80:4 149:11 162:12 162:16 readmits 36:11 readmitted 137:8 ready 308:8 real 37:5 43:14,15 56:5 66:13 115:5 202:21 204:1 220:22 285:22 reality 54:13 115:7 127:1 realize 83:15 219:5 realized 22:10 reason 21:6 33:13 252:16 reasonable 52:15 161:15 reasonably 21:9 reasons 54:7 151:6 recall 287:22 311:18 recap 5:2 45:15 **receive** 11:1 12:19 251:6 255:5 received 257:17 260:1 329:10 receives 245:11

rate 75:2 95:6 130:20

137:11 229:9 256:13

receiving 218:7 243:17 315:20 318:19 329:5 recipient 287:10,18 recipients 224:10 230:10 304:20 recognize 60:15 121:8 127:18 129:22 131:12 315:7 recognizing 111:11 120:15 131:7 316:8 recommend 119:20 201:6,17,19 288:8,10 294:19,21,22 recommendation 25:15 91:9 103:8 120:19 122:4 160:3 164:20 251:18 264:11 293:9 294:18 recommendations 16:20 39:5 47:4 48:16 63:4,13,18 79:11 91:4 91:21 93:12 94:4 102:11 121:19,20 134:18 135:11 136:12 139:16,18 185:6 186:3 187:20 264:14 297:7 312:3 recommended 136:6 273:9 recommending 60:8,20 201:14,20 210:22 reconvening 167:18 record 85:7 102:4 133:10 167:15 237:2 242:17 274:5,10 307:5 330:21 records 62:9 145:22 recovery 36:18 330:16 recreate 102:20 recruiting 225:9 recruitment 221:6 red 20:17 21:2 reduce 123:16 138:17 reduces 285:5 reducing 21:6 24:16 **Reduction** 31:5 80:4 refer 16:18 59:21 reference 229:19 292:12 referenced 318:21 referred 198:1 referring 228:17 253:12 refers 257:16 refine 221:17 222:7 225:1 refined 174:5 192:9 245:3 refinement 172:13

174:1 refining 192:7 201:17 204:8 206:21 **reflect** 184:22 259:8 reflecting 150:13 reflective 109:19 reflects 261:4 reform 303:22 reframed 16:4 refusing 257:7 regard 79:10 245:21 regarded 244:13 regardless 19:2 45:19 45:21 120:8 211:21 327:4 regards 13:3 regions 235:11 regular 114:1,5,13 281:20 282:15 regulatory 277:19 rehabilitation 12:4 168:9 Reichard 232:1 reiterate 45:6 81:16 reiterating 86:21 rejiggering 330:6 relate 231:5 related 45:11 48:6 51:18 52:16 68:3 69:10 134:19 154:8 170:16 239:1,6,14 245:13 255:10 265:13 265:13 294:7 295:2 relates 41:9 69:17 70:2 91:21 119:20 154:14 211:21 relation 53:6 92:6 162:11 192:18 228:21 relationship 40:8 58:3 70:12 89:10 93:2 111:5 140:7 relationships 26:3,11 47:22 50:17,18 51:13 54:9 56:18 70:3 71:3 132:5 226:20 relative 38:4 41:20 89:18 119:18 154:15 274:9 relatively 142:18 162:4 182:21 223:13 released 300:2 relegated 79:1 relevant 56:16 57:22 82:13 171:4 174:10 198:20 231:13 255:7 271:20 296:11 reliability 110:19 157:15 174:4 189:6

197:17 214:12 222:14 225:15 242:20 287:4 297:6,12,17 300:4 **reliable** 95:2 217:6 250:21 261:11 294:3 relied 106:8 reluctant 210:5 relying 65:16 remain 307:17 remainder 252:20 remaining 296:22 297:11 remarkable 166:2 remarks 329:16 remedied 248:2 remember 163:19 164:6,7 198:2 205:15 312:15 320:15 remind 32:12 44:12 163:22,22 184:8 reminded 326:6 reminders 90:6 remiss 42:10 122:3 163:8 **removal** 9:14 177:9 remove 9:8.22 Renata 3:20 168:6.17 188:3,8 198:1 224:15 231:20 232:3 234:21 reoccurring 230:3 repeat 277:3 314:15 replace 10:11 replicate 172:18 report 5:9 13:8,20 14:1 15:4.13 16:19.22 24:9 24:13 28:10 29:15 33:18 34:1 39:19 40:7 42:17,18 43:10 44:6 44:11 46:22 47:6,16 48:8,15 54:5 62:11,14 63:14,16,19 68:20,21 82:22 88:14 91:5 104:19 118:5,8 125:8 156:9,15 159:14 160:16 165:13 170:15 173:1 187:18 288:2 289:19 299:12 300:2 328:17 reported 94:13 102:3 142:21 159:11,18 160:2 208:21 217:13 257:9 300:16 reporting 30:17 31:8 38:7,10,13 65:11 119:10,14 137:20 138:22 157:2 162:16 296:9 reports 16:16 32:14

Neal R. Gross and Co., Inc.

Washington DC

47:5 48:16 61:7 81:13 103:9 119:3 164:1 165:6,16 223:7 249:1 repositories 72:9 represent 92:5 120:4 representation 86:1 representative 164:16 175:9 represented 258:3 representing 119:21 request 48:8 requested 329:7 requesting 223:8 require 32:2 93:10 117:6 229:16 259:2 272:22 320:1 required 57:11 152:12 requirement 163:11 requirements 91:19 208:17 277:17,19 requires 112:15 rescind 161:18 research 3:11,12,18,18 3:19,19,20 28:3 38:5 61:9 64:1 95:17 97:12 101:3 110:17.22 112:16 125:11 161:21 168:9,17 169:4,16 170:11,13 171:13 174:19 178:19 197:13 214:11 217:4 220:22 223:3 238:13,14,20 242:8 244:18 253:9 288:5 Researcher 3:17 researchers 95:10 242:7 304:13 reserved 311:19 reset 248:10 resided 178:10 Resident 12:11 residential 48:3 56:19 57:8 58:4 68:2 83:9 118:6 265:19 residents 9:10 17:14,15 resistance 203:12 resistant 321:13 resonating 323:1 resource 3:21 16:5,9 17:21 19:12 59:9 90:8 141:11 146:14 147:1 200:15 280:18 resources 28:7 46:11 56:20 59:15 77:10 78:20 101:6,6 130:3 240:5 321:6 329:6 respect 154:22 172:20 180:19 262:3 263:12

294:8 320:18 respond 251:2 257:11 287:6 288:6 314:18 responded 288:12 respondent 189:3 253:3 254:17,21 257:16,17,20 258:9 258:22 259:1 respondent's 301:20 respondents 255:5 257:12 258:13 259:19 279:18 287:5,14,16 288:1 responding 260:4 response 13:12 79:20 101:21 118:4 189:3 199:11 224:11 246:18 247:3,5,17 252:10 254:7,9,14,15,18 256:10,13,14,18 278:9 279:10,14,16 285:5 304:7 314:20 responses 12:21 257:14 responsibilities 116:17 responsibility 120:10 responsible 130:11 178:18 235:3,22 249:7 rest 17:4 226:8 255:1 restrictions 79:4 rests 160:6 result 114:21 155:18 243:17 250:10,14 results 39:16 41:19 42:11 56:5 70:20 125:14 149:22 192:9 227:3 237:19 252:14 252:15 256:12 258:8 278:17,20 279:21 307:6 resumed 133:10 167:15 237:2 retain 251:14 retained 265:1 rethinking 132:19 return 122:17 revenue 58:22 127:9 reverse 52:8.11 review 5:11 7:12 9:6 35:3 99:3 157:16 223:12 275:12 297:22 reviewed 33:6 149:10 198:12 230:4 292:18 reviewing 188:13 226:10 reviews 141:20 revising 112:8

reward 26:22 27:4 rich 37:19 44:5 49:12 68:14 72:22 118:2 122:9 124:19 154:6 161:11 234:10 RICHARD 2:5 richer 232:11 richest 72:14 richness 131:18 rid 317:9 ride 263:8,8 right-hand 179:13 192:22 rightfully 103:18 rights 2:5 77:3 174:22 181:9 183:9,19 rigor 95:13 233:22 rigorous 95:10 154:20 163:14 244:11 risk-adjust 320:5 risks 66:13 risky 227:18 **RN** 2:2,9 roadmap 138:8 **Robert** 126:21 **Robin** 4:2 13:18 14:3.7 15:4 45:1 59:14 63:14 80:19 Robin's 16:12 robust 73:19 172:9 **ROILAND** 3:5 81:20 82:5 246:4,8,13,19 247:4,6,11,15,18,21 248:6,12,15 292:15 293:11 297:20 298:6 298:12 299:1,15 300:9 308:11,15 326:7,16 role 15:17 41:13 141:7 236:11 269:22 roll 25:7 room 1:19 103:4 110:4 215:20 216:3 236:10 310:22 313:17 Ross 2:17 32:8,9 56:10 56:10 58:17 59:17 101:3 109:18 112:2 114:17 163:17 165:18 196:13,14 198:13 199:9 200:8 209:21 209:21 227:20,21 289:15 303:12 rough 108:16 roughly 155:21 round 177:15 292:19 299:15 **RRTC** 209:19 RRTC's 219:9

rule 311:13 rules 57:10,11 run 45:2 107:14 111:9 216:2 running 103:4 236:21 runs 210:12 rural 17:15 83:21 87:7 178:12

S

S 5:1 sadder 55:3,11 safe 83:20 111:15,16 330:15,15 safety 251:17 263:12 265:6 294:8 295:7 sake 289:12 Salzer 169:21 sample 31:18,19 49:12 50:12 60:16 78:2 104:13 105:7 110:20 221:6 277:8 299:19 sampling 91:22 92:4 San 304:15 Sara 197:19 satisfied 300:4 323:22 saturate 213:15 saturation 222:22 save 130:9 savings 36:18 saw 19:3 21:9 54:17 161:3 195:9 234:9 saying 22:6 24:11 25:14 31:9 93:22 106:6 109:10 125:14 141:5 147:4 152:1 156:7 157:14 168:22 203:8 210:16 234:21 267:14 286:6,8 293:4 305:11 323:22 says 104:7 106:13 122:9 153:8 255:22 256:5 298:20 scale 36:22 53:16 55:8 95:15 111:19 131:11 179:15 225:4 260:17 260:21 261:7 293:17 293:21 294:7,9 scales 94:21 scaling 298:19 SCAN 126:19 131:9,10 scatter 54:6 scenes 153:16 schedule 218:20 236:22 237:7 school 3:10 6:9 89:9 130:20 School-Age 3:8 6:8

science 162:5 scientific 155:3 162:13 222:9 scientifically 162:13 163:14 scientist 3:12 238:13 238:20 scope 49:14 301:14 score 11:17 36:22 scores 182:8 288:13 scoring 224:8 screen 17:22 21:21 291:18,22 293:8 screener 255:10,19 256:5 screening 31:12 250:20 251:4 252:17 267:22 scribbled 81:9.17 script 259:6,8 scroll 293:14,15 295:8 scrutiny 308:2 SDS 6:1 133:21 135:1,3 135:19 136:2,5,8 140:5 141:7,15,18 142:8,19 143:19 se 48:9.13 seamless 281:10 search 158:10 second 14:1 15:6 16:8 19:14 24:18 25:11 26:5 29:18 35:4,14 39:3,19 63:16,18 70:1 104:10 172:3 176:5 177:14 199:2 233:19 248:9 309:21 secondary 152:17 213:11 Secretary 2:14 3:14,15 4:3,4 5:6,7 section 246:20 security 85:20 111:14 111:15 seeing 13:13 23:7 36:13 70:20 186:14 199:15 215:16 seen 73:4 151:20 230:3 283:18 305:14 segment 129:11 segments 36:12 segregated 57:1,3 segregation 58:2 83:22 select 221:10 selected 17:6,10,10 147:13 274:12 selecting 136:1 216:15 222:5 self- 183:6 self-direct 273:21

Self-directed 273:18 self-direction 182:16 182:20 183:1 self-evaluation 154:9 self-evident 22:6 321:16 self-interested 176:8 sell 130:19,19,21 selling 112:18 send 35:15 59:7 81:13 81:20 232:5 237:10 289:13 303:18 307:5 senior 3:3,4,5,5,14,18 5:6 133:16 seniors 283:9 sense 34:13 109:20 138:3 157:2 198:5 300:22 317:6 318:7 318:10 320:13 sensitivity 157:15 174:4 185:10 225:16 226:4 sent 82:10 169:8 separate 58:15 187:2 separately 156:9 159:11 275:3 296:21 series 47:5 112:6 220:1 251:16 255:20 serious 81:4 128:17 244:4 seriously 205:10 serve 25:8 27:14 45:22 69:17 88:5 155:17,19 220:19 315:7,19 317:21 served 19:16 54:2 88:1 105:15 250:8 301:12 serves 231:21 service 57:11 61:4 72:2 81:6 129:21 130:7 174:22 181:10 183:4 183:4 206:12 262:2 262:20,22 264:15 270:19 287:5,10,18 318:18 service-based 174:11 services 3:9,16,19 6:8 7:2,12 27:20 57:15 72:8 75:3,8,10,13,17 76:13,14 169:6 203:3 218:7 235:4 239:13 240:2,17,18 241:7,22 243:18 245:7 249:12 249:17,21 250:2,5 251:5 252:4 255:4 262:14,18 266:8 273:22 274:20 294:5 296:6 302:17 303:8

304:5.21 307:3.16 309:3 310:17 315:20 322:14 serving 20:7 22:22 45:20 69:3 120:2 256:15,20 277:10 278:22 SES 16:14 52:9 145:9 161:2 session 6:4,18 7:9 206:9 set 16:16,22 17:2,6 25:12 45:16 58:15 91:10 92:17 94:18 107:2,6 110:7 148:17 154:20 155:3 175:8 229:3 234:10 237:9 250:19 255:15 261:5 266:17 278:13 289:10 298:15 303:1 305:8 309:18 310:1,3,9,16 311:3 317:3,4,5 320:19,20 327:14 sets 108:15 109:14 123:12 201:15 252:10 setting 12:6 18:3,4 37:10,14 57:13 58:12 74:12 101:18 123:10 143:4 229:9 240:15 265:20 303:5 settings 15:19 18:19 57:11 58:13 101:8 103:6 170:22 171:3 173:4 240:20 241:15 setup 17:4,5 29:20 seven 174:16 260:17 264:9 277:22 293:21 310:11,12 severe 32:18 35:8 43:15 sex 105:3 sexual 83:18 84:9 share 51:3 69:19 111:8 149:22 169:4 187:18 188:3 196:7 208:9 227:1 229:20 256:11 278:19 291:18 297:21 312:12 SharePoint 329:2 sharing 100:7 236:7 239:16 288:20 292:1 308:3 Shawn 166:15 326:7 shepherd 96:4 shepherding 98:12 329:20 shifts 139:1 shine 157:5

shock 142:4 **short** 9:12 12:10 94:22 111:19 276:18 283:13 313:9 short-term 12:3 shorthand 25:14 **show** 52:15 66:19 67:16 92:8 137:5 140:14 147:17 162:14 191:5 192:11 193:17 262:2 291:13 304:19 shower 255:21 showing 152:3 204:14 shown 92:13 125:13 252:18 255:14 259:19 260:19 264:15 **shows** 47:15 130:13 150:22 178:14 243:1 254:13 261:10 262:10 262:17 263:3,21 265:3 279:9 280:11 288:5 sick 30:7 sickest 286:17 side 21:21 30:1 53:16 79:22 117:5 128:22 129:1,3,6,21 130:10 179:13 192:15 193:1 193:11 206:12,12 229:10 304:7 320:10 321:14,14,15 sign 82:3 significant 11:8 19:8 27:6 92:19 140:15 142:6 153:22 180:13 181:7 304:19 significantly 181:21 182:5,12 183:12,19 183:22 184:4 198:10 silos 324:7.8 similar 6:15 17:4 34:17 42:21 43:2 118:12 180:9 193:6 197:22 230:20 264:6 similarities 194:14 220:17 Similarly 150:3 simple 19:21 simplified 254:7 simply 70:2 80:10 simulate 156:16 Simultaneous 309:1 317:12 328:7 sincerely 110:15 single 54:9 92:21 105:4 107:6 164:11 190:4 251:13 260:18 268:14 275:20

single-item 261:8 **sit** 14:19 128:14 sites 221:7 225:9,10,22 sits 73:18 sitting 103:16 167:21 167:22 301:4 situation 274:4 322:22 situations 40:4 57:2,4 six 173:10 226:17 234:19 244:7 251:18 261:12 289:19 **sixth** 84:2 size 92:21 105:7 110:20 193:17 sizes 31:19 49:13 60:16 78:2 **skeptical** 101:16 skewed 13:1 Skill 12:1 skilled 11:18 66:16 67:2 270:20 skip 133:22 149:14 255:8 256:2 272:12 skipping 227:5 skips 255:10 slammed 78:16 slides 14:13 34:2 42:14 43:3 133:22 168:22 169:8 174:20,21 181:12 207:13 221:9 221:22 233:2 239:10 240:8 248:18 261:6 262:7 275:7 329:3 slightly 193:6 slowly 102:8 small 17:22 18:1 21:1 21:10 29:5 31:19 52:19 60:16 78:3 104:13 131:11 142:18 151:20 223:13 320:9 326:22 smaller 20:22 smallest 92:7 smart 117:2 127:7,8 Smith 78:16 snapshot 276:19 sneak 141:3 Snethen 169:22 **SNP** 2:5 37:20 68:15,16 90:19 103:20 119:21 273:19**SNPs** 38:11,12,12 74:2 75:16 105:16 so-called 32:19 societal 95:5 society 116:8 Socio-Demographic 6:2

sociodemographic 5:5 82:9 86:13 socioeconomic 16:4,6 16:9 47:19 64:21 83:9 118:7 133:20 147:15 148:9 softer 199:22 sole 164:11 solicited 316:5 soliciting 173:12 solution 22:9 39:22 79:13 solutions 47:13 89:17 89:20 **solve** 80:17 104:17 somebody 32:12 90:10 96:21 129:8,10 somebody's 129:6 319:9 someplace 118:20 158:8 somewhat 20:6 287:9 soon 137:14 216:2 sorry 100:18 133:3 214:4 227:4 250:12 273:9 293:4.15 295:13 308:17.20 309:22 310:2 320:15 sort 16:16 17:2,5 18:12 20:13 21:10,18 22:14 22:17 24:1,6 25:13 28:6,11 31:22 32:6 33:9 37:11,16 42:8 54:18 63:5,10,17 65:4 76:18 78:3 80:14 82:14,17 83:3,8,13,14 83:16 84:16,17 85:1,4 85:15,22 86:2,10,11 86:12,14,17 87:4,6,7 87:20 88:9 94:5 100:6 106:11,15 122:20 128:21 155:21 201:6 209:2 210:21 212:17 234:16 287:1,4 292:2 313:7,20 318:21 320:21 321:16 329:18 329:19,20 330:1,1,2,6 330:7,8,9,10,12,14 sorting 162:3 sorts 71:10 74:19 sought 245:18 sound 93:5 170:17 172:9 213:19 233:17 265:17 299:13 sounds 118:11 128:20 145:4 source 58:22 65:15 71:21 72:15,22 92:9

	1	I	I
104:2 106:7 129:3,15	255:17,21 261:11,13	225:12 293:16 299:9	150:18,20 151:20
327:4	261:15,16,17,21	302:10 308:21 309:5	158:3 303:20
sources 16:10,14 48:16	262:2,3,21 263:16,18	started 15:21 23:8 24:6	stay 9:12 12:10 39:14
48:19 62:10 64:14	264:16 265:16,19,21	53:7 95:16 136:12	158:19 169:7
68:8,8 71:19 73:8	266:1,7 268:7,8,8	188:10	staying 182:14
84:19 103:19 126:18	269:14,14 294:2,3,13	starter 237:9 289:9	stays 67:8
127:9 129:20,21	294:14,20,21 295:9	298:15 303:1 305:8	step 71:19 138:18
space 149:2	301:1 327:6 329:8,11	309:18 310:1,3,9,16	172:1,3,22 188:17
Spanish 245:2	330:3	311:3 327:14	214:18 215:9
spark 32:6	stage 18:13 215:10	starting 8:6 74:9 92:17	stepping 329:21
speak 33:5 81:19	216:14 218:17 228:10	115:20 219:16,17	steps 7:16 38:5 119:18
179:20 195:4 232:22	244:18	221:3	149:18 230:19 328:8
233:9 236:16 245:21	stages 234:17	startling 105:18 106:3	Steve 170:1 304:12
312:11	stakeholder 132:3	starts 36:20 252:17	stewards 39:2,5 41:9
speaker 167:8	171:16,17 173:12	254:15 301:16	41:14 91:11
speaking 93:9 155:21	179:1,3 180:2,10,18	stat 151:8	stigma 95:5
309:1 317:12 328:7	182:18 186:14 187:15	state 58:19,22 59:1,4	stimulate 94:3
special 120:3	222:19	64:1 72:1 76:2,4	stop 162:22 253:2
Specialist 3:16 7:1	stakeholders 147:21	102:15 117:12,13,13	story 19:13 55:2,3,11
specialty 59:22	148:3,11 154:2 171:7	170:3 172:6 175:17	66:13 67:4,18
specific 63:4 94:15 121:20 160:10 170:16	172:2 173:5 175:9,12 177:4 178:8 179:6,22	198:7 217:9 221:16	strategic 24:1 25:12
171:3 173:3 182:12	199:15 216:18 230:15	235:8,11,16 240:4 249:8 258:7 267:4	26:21 120:19 238:2 311:16
187:19 197:6 199:19	231:10 251:13 277:13	273:4 277:15,21	strategically 36:1
202:7 205:4 229:19	304:8	278:12 302:10 306:11	Strategies 5:15 6:13
249:8 255:11 260:14	stand 233:21 247:12	306:12 310:4 317:3	strategy 24:8 121:1,14
264:14 276:6 287:21	standalone 265:1,2	322:8	315:1
317:5	standard 135:22 148:17	state's 114:5 117:7	stratification 10:19
specifically 10:7,16	154:15 155:6 163:15	state-based 76:13	40:2 136:5,8,22 137:9
51:14 86:9 186:22	163:15 179:16 203:2	195:22	stratified 136:18
197:12 265:18	203:20 206:3 229:3	state-level 196:6	stratify 31:2,2 159:14
specifications 136:4,7	229:16 235:14,15	stated 286:13	160:16
spectacular 42:1	242:15 254:15 281:15	statement 126:5 207:10	stratifying 30:16,21
spectrum 59:19 62:13	307:2	313:1	31:4,8 32:15 41:1
249:20	standardized 242:15	states 52:19 72:8,10	stream 66:19 67:16,17
spend 109:12,13 116:7	standards 9:17 25:13	74:5 103:1 107:2	Street 1:20
323:9	91:10 94:5 117:5	115:20 117:7,9,11,13	strengths 220:15
spending 36:9	150:4 154:12,15,20	117:16 123:20 203:3	strictly 90:18
spent 32:9 77:4 94:19	155:3 161:8 163:2,4	203:8 208:11 220:9	strides 325:8
95:9 164:4 185:13	standing 133:17 135:15	232:21 235:5 243:3	striking 320:21
241:7,11 303:3	138:6 140:3 141:6,11	245:5 273:2 275:13	striving 56:22
317:14 split 296:19	148:20 292:20 standpoint 41:5 62:19	277:18 278:1 296:7	strong 80:8 142:7
SPMI 43:22	76:16,18 95:14	296:10 302:8 303:16 304:18 311:10	165:13 185:15 230:9 strongest 49:21
sponsor 259:9 268:19	110:18 119:22	statistical 24:12 31:10	struck 106:13,22 107:6
274:21	stands 325:14	32:4 153:11 157:11	323:17
sponsoring 258:17	star 29:12 167:1 314:1	157:12 212:1 213:19	structure 51:21
259:5	314:3,16 315:3,5,16	statistically 156:7,15	structured 284:10
sponsors 253:14	326:11	157:1,3	struggling 109:21
258:16 259:11	stars 21:17,19 22:1	statisticians 155:14	stuck 107:22
Stacey 2:12 73:20	38:11 103:21	status 6:2 7:10 9:9 16:4	studied 163:21 164:5
99:17 126:6 132:9	start 8:5,6 22:17 24:2	16:9 19:3,9 23:7	228:18 230:11 287:4
281:16,17 282:19,20	28:1,16 36:20 40:18	26:10,12,18 48:1	studies 92:8 119:1
285:21 304:7 326:22	45:7 63:15 71:11	51:20 69:8 71:22 73:9	162:13 173:10 174:10
staff 3:1 32:11 87:9	108:21 134:11 138:16	73:10 83:10 84:1,10	216:17 219:15 220:2
99:8 100:5 158:14	139:18 140:10,22	85:5,16 92:18,19	226:11 227:9 230:4,7
166:20 208:19 232:5	141:17 157:22 166:9	105:3 125:2 143:7	231:2
251:20 253:15,16,22	167:12 171:14 172:11	147:15 148:9 150:14	study 15:6 16:3,8 26:8
	I	I	I

Neal R. Gross and Co., Inc. Washington DC

28:13 35:4,14 45:2,11 46:18,21 52:11 55:6 60:8 64:4 66:20 70:5 71:5 173:11,14,18,21 174:2,2,3,7,19 175:7 178:21 187:9,21,21 188:2,9,12,19 192:10 194:8 199:13 214:16 214:17 219:16,16,17 219:19 220:5,21,22 221:2,8,9 222:12,12 222:19 223:13 224:6 224:16,16,17,20 225:3,4,4,11 226:1,2 226:9,10,17,18 227:1 227:2 228:10 230:18 studying 278:9 stuff 33:7 36:19 63:2 76:18 81:10,12 95:11 105:4 108:13 124:6 130:7 146:14 210:19 316:14 sub-populations 38:8 **subdomain** 177:12,19 180:7.13 182:2 184:3 186:18 194:3 199:19 204:16 213:17 subdomains 174:16 177:9,10,17 178:22 180:3 182:10 184:16 185:2 187:16 188:5 190:19 191:8,15,17 193:19 194:2,5 199:22 204:10 208:1 208:4 234:13,14 **subgroup** 31:8 119:9 119:14 137:10,20 150:16 156:10 157:2 157:5 subgroup's 157:9 subgroups 31:20 32:13 43:12 92:4 249:14 299:18,19 Subject 2:2,7,10,16 submission 296:4 submissions 242:10 submit 210:5 submitted 135:16 141:8 265:4 297:2 subpopulations 32:10 163:19 subprogram 277:8 subscales 188:16 subscribe 321:11 subsequent 302:1 subset 265:3 substance 35:8 43:22 substantial 258:6

substantially 242:9 substantive 98:20 99:16 Substitute 2:3 suburban 66:22 67:2 success 90:13 282:17 successes 276:17 successful 131:4 sufficient 61:20 66:1 204:16 277:7 sugar 20:20 suggest 56:15,20 92:18 110:14 177:9 287:8 suggested 91:19 160:20 185:1 198:14 232:3 suggesting 71:6 165:17 201:11,12 suggestion 72:18 87:19 162:21 165:5 suggestions 88:8 93:17 218:13 suited 10:21 40:5 summaries 59:8 summarized 328:16 summary 5:4 42:18 47:6 219:14 244:7 292:17 295:18 297:19 sunset 18:6 supplemental 276:7 supplementary 252:2 support 23:11 26:22 27:12 46:13 48:2 51:13 76:17 83:6 84:11 85:19 94:20.20 94:21 100:6,8 106:12 118:19 124:16 139:16 142:9 172:13 191:17 240:17 249:12 260:17 260:18 262:2 273:18 274:1 291:1 297:16 306:3 supported 179:6 186:6 264:12 supporting 99:20 133:17 276:11 supportive 115:21 **supports** 69:10,12 92:22 94:19 203:4 235:17 241:8,11,22 243:18 245:7 249:17 276:3 supposed 261:17 310:4 319:10 suppressed 124:15 Suppression 11:5 **Supreme** 57:5 surgery 330:16

survey's 253:6 survey-based 51:22 142:22 surveyed 243:3 269:7 SurveyMonkey 237:11 289:4,14 surveyors 301:1 surveys 48:19 49:11,13 65:14 95:12 97:14 189:14 209:7 238:16 243:20 244:14 259:12 274:22 279:6 283:3 283:10,15 287:7 305:12 327:16 Susan 3:18 239:3,18 265:7 274:15,16 suspect 17:22 33:10 56:2 suss 56:8 swear 263:18 **switch** 286:3 swoosh 40:10 system 29:13 67:14 95:21 112:18 113:18 114:2,9,12 115:5 117:21 175:1 181:8 184:20 191:19 192:20 203:21 311:12 314:3 314:11,16 315:3,5,17 316:5 320:21 systems 36:10 59:1 78:17 101:5,7 112:17 152:17 184:10 227:10 230:12 238:11 240:16 318:5 324:5 systems- 191:12 т **T** 5:1,1 **TA** 239:4 table 192:14 193:3 200:14 243:1 258:1 tables 42:22 191:6 tack 143:11 tail 54:18 tailor 272:12 take- 187:10 take-aways 230:5 taken 37:18 53:18 54:15 313:10 328:14 takes 142:22 177:21 263:16 271:18 330:9 talk 14:17 16:1 17:5 18:21 19:20 27:11 29:14 53:5 85:16 99:10 116:2 127:15 128:6,14,22 175:7 180:5 200:20 224:15

239:12 240:14 263:14 316:19 323:16 talked 8:18 77:6 86:16 114:10 118:19 122:15 128:4 131:19 132:9 261:2 276:2 305:16 318:13 talking 16:7,12 31:6 33:10 34:20,21 44:6,7 72:16 73:7,14 77:4 80:15 94:2 96:6 104:18 105:2 106:2 111:14 125:1 128:21 145:1 152:19 184:9 208:21 238:1 259:7 265:8,18 266:15 267:2 269:10 271:12 295:8 323:9 talks 24:18 27:2 tall 314:17 tap 117:21 target 101:6 190:20 targeted 27:3,12 28:20 270:9 tasked 63:10,11 76:11 150:6 tasks 295:6 taught 127:6 team 8:19 13:19,22 112:7 134:2 138:12 188:11 223:3 230:16 238:6 244:8,10,19 261:1 268:17 288:20 329:11 330:4.4 teamwork 99:3 tease 88:10 teasing 70:2 71:2 technical 27:12 124:20 132:11 171:7 187:18 221:15 223:3 231:17 247:12,22 250:4 264:21 301:12 305:2 329:13 techniques 24:13 32:4 212:1 technology 257:22 **TEFT** 238:8 239:4 241:21 teleconference 4:10 telephone 166:18 167:1 272:9 273:1,6,9 280:1 280:5 282:6,8 telephone's 282:9 telephonic 113:2 tell 14:20 67:4,17 99:4 109:7,8 119:21 148:15 155:14 156:20 156:22 286:14 321:5

telling 41:14 154:3 156:5 204:20 318:9 Temple 169:22 173:22 221:16 ten 227:7 243:2 ten-236:20 tend 23:11 45:18,21 129:15 tended 19:17 40:12 181:20 tendency 64:11 230:9 tends 185:17 Tennessee 243:6 tent 101:1 **TEP** 250:3,11,15 272:17 term 12:1 62:7 137:20 138:1 158:17 253:21 270:14 terms 19:9 27:18 30:16 38:7 41:18,21 42:21 43:17 52:6 57:6 61:20 63:10 64:13 68:13 69:18,22 71:2,19 87:5 88:3,8 90:20 91:19 93:19 97:6 104:5 110:16 161:1 253:7 253:11,14,16,17 269:13 280:15,19 282:11 299:18 307:3 311:22 313:5 316:12 316:20 325:21 328:14 terribly 104:13,13 123:22,22 285:6 terrific 37:7 42:9 test 91:11 148:16 152:9 152:12 174:10 225:5 226:18 233:21 242:2 242:7,8,18,20 243:3,7 245:8 250:11.15 254:6 256:12 257:13 273:4 278:1 321:2 test-retest 222:13 tested 10:16 91:15 92:15 93:3,18 113:1 154:16 158:4 161:7 245:4 299:20 303:16 306:11 testing 6:14 93:3 95:19 148:12 155:4.9 161:2 163:4 208:6 221:19 223:12,15 225:11 227:14 231:4 238:7 241:17,20 243:9 244:17 245:1 254:5 271:8 283:2,6,17,18 284:9 297:1,3,14 299:17,22 tests 242:19 243:4

257:1.16 258:3 text 253:19 thank 8:3 14:15 37:18 58:6,7 59:14 60:2 66:7,8 70:18 72:17 80:20 81:1,6,7,18 82:2,3 98:13,18 99:2 99:7,12,15,22 100:5 100:10,14,16 103:15 131:6 133:6 165:18 166:7,11,12 167:5 168:2 169:2 176:18 195:15 199:9 203:22 209:16,20 218:10,21 229:22 232:9 233:11 236:6,14,17,18 237:4 239:10,11 246:3 248:11,15,20 265:9 288:19 298:17 308:15 324:16,19,21 325:5,6 326:16,18 327:4,6,19 327:20 329:12,18 330:3,17 thanks 45:3,4 127:12 133:14 260:6 281:10 theme 103:11 141:19 themes 28:11 theoretical 213:8,9 theory 135:9 Therapy 2:9 they'd 151:11 thick 204:2 205:8 thing's 144:4 thinks 267:1 290:7 third 16:13 25:5 26:21 83:17 121:8 232:10 285:3 thirty 44:18 **THOMAS** 2:12 thought 32:2,17 34:5 37:8 44:9 64:7 70:16 76:10 139:17 171:13 171:19,21 179:8 180:20 184:16 186:13 200:15 323:2 thoughtful 315:4 thoughts 24:22 33:2 86:3,18 94:3 150:5 158:5 311:20,21 312:1 321:20 thousand 225:5 227:8 318:8 three 12:8 18:2 24:1 27:11 57:14 69:9 111:20 178:5 234:19 235:10 242:11 244:15 250:19 251:20 252:17 252:18,22 254:20

256:2 262:11 263:11 264:11,14 278:21 294:11,17,18 304:18 three-and- 172:11 threshold 21:16 196:21 197:2,6 thrilled 203:2 throw 108:20 157:15 THURSDAY 1:13 Ticha 3:20 168:6,17 188:3,9 194:6,19 195:16 196:4 198:3 199:6,10 201:1 203:22 209:16 211:4 213:3 214:3,9,14 216:6 218:10 224:17 228:8 229:5,12,18,22 233:11 236:18 tick 75:15 tie 69:13 **Tim** 304:11 time-intensive 115:3,10 timeline 96:14,16 times 144:19 254:20 tiny 142:13 titled 193:5 227:6 titlina 268:5 to-date 45:9 to-one 84:14 tobacco 23:16 today 8:17 16:2 81:19 85:11 91:1,2 98:15 117:22 125:19 128:4 169:8 236:7,16 239:12,21 240:12 288:20 311:19 329:4 toileting 295:5 told 196:19 **Tom** 35:17,18 66:9 128:18 153:9 160:21 271:21 273:13,16 306:4 312:21 320:11 Tom's 273:14 tomorrow 126:1 237:11 ton 74:5 tool 209:3,6,10,14 307:18 tools 238:7 241:21 top 20:20 69:4 108:19 topic 81:5 86:17 90:20 99:14 101:2 142:16 236:9 271:21 273:14 topics 138:15 239:22 312:15 total 211:2 313:18 totally 314:21 touch 34:1 81:14 114:1 114:13 218:12 232:6

tough 78:3 town 78:19 track 24:16 107:14 166:6 198:7 269:21 271:11 277:3 tracked 166:3 tracks 127:11 tract 85:7 traction 321:18 trademark 245:12 289:17 tradeoffs 156:12,13,14 training 168:10 169:5 169:16 170:11 171:6 178:19 221:1 trans 88:5 transcript 81:21 Transformation 15:14 238:11 transgender 87:21 transition 218:5 transitions 36:9 100:7 218:4 translate 281:19 283:14 translated 21:13 translation 257:21 transmitted 10:1 283:7 transparency 93:13 136:11 transparent 159:1 transportation 69:14 85:20 90:8 263:3,6 294:6 traumatic 170:21 175:22 travel 79:3 travels 330:15 treating 30:14 treatment 90:12 trial 6:1,2 25:21 26:2 29:4 42:3,6 133:19 134:5,13 135:14 136:13 139:4,9,20 141:17 149:10,21 tricky 41:2 76:20 tried 28:12 127:22 128:2 284:21 315:12 triple 36:19 191:9 trouble 74:22 true 55:9,10 311:5 319:18 327:2 truly 235:18 314:11 Truven 3:13,20 239:3 242:7 281:3,4 try 8:5 14:22 20:12 27:8 28:8 40:4 46:18 62:22 90:4 112:17,18 115:9 137:14 139:1 145:10

160:12 169:7 172:21 247:2 302:4 306:6 314:9 315:17 324:7 trying 54:20 78:7 99:21 104:16 107:15 118:20 128:22 131:13,22 155:1 158:21 172:18 178:12 210:14,21 211:3 214:13 223:16 228:1 271:6,9 282:14 283:21 312:14 315:4 316:1,10 324:20 Tuesday 139:14 164:10 tuned 158:19 turn 13:14 18:6 86:7 239:8 turned 29:10 turning 44:21 329:15 twice 143:10 two 9:21 11:15 18:10,15 27:11 29:1 32:9 34:22 35:6 39:17 55:1 57:19 64:12 68:16 69:8 79:8 83:8,8 84:18 93:13 102:11 104:8 105:16 110:13 120:6 126:1 127:11,20 134:4 139:6 141:1 174:16 174:20 177:21 196:15 196:19 197:1 213:6 214:19 216:17 241:18 256:6 265:17 268:11 270:4,12 272:22 279:12 283:12 284:8 289:6.9.19 294:16 297:10 298:16 304:9 305:19 two-and-a-half 177:21 type 20:13 72:8 180:10 189:3,3 193:6 197:22 267:8 types 40:17 49:11 55:14 61:8 70:9 117:17 182:19 189:14 189:21 251:20 253:21 264:15 277:10 296:5 typical 101:21 217:3 298:19 typically 49:6 89:8 268:19,22 typing 320:14 U **U.S** 178:13 **UCSF** 221:16 ultimately 141:21 297:10 300:9 unadjusted 137:21

unbelievable 327:10 unclear 300:17 uncomfortable 65:10 under-65 43:20 55:18 under-65s 33:18 34:3 underestimate 258:9 underestimated 73:3 underlie 26:10 underneath 293:12 understand 54:20 61:21 68:12 76:21 78:7 108:22 109:15 130:21,22 131:1 180:21 201:18 297:4 understanding 25:7 34:3 53:22 54:15 68:11 69:7 125:2 144:10 213:2,5 232:12 understood 202:1 **undertake** 170:12 undertaking 25:20 172:19 177:13 underway 173:14 226:10 uneasv 304:22 unfortunately 39:22 98:10 159:20 167:8 315:9 unfunded 129:15 130:11 uniform 253:10 unimportant 177:10 uninformed 95:13 **unique** 90:17 140:16 198:9 210:22 211:17 245:20 312:16 unit 92:6,8 249:4 University 3:10,22 6:7 6:10 85:9,9 168:11,19 169:19 170:1,1,3 221:16,17 304:14,15 University's 176:20 unmeasured 23:6 unmet 251:16 256:8 265:5 295:3 untangling 70:7 update 6:1,1 15:7 133:19 139:10 140:20 149:7 209:2 updated 208:17 279:13 updates 139:6 upper 242:5 **upweight** 155:20 urban 87:7 178:13 urge 208:16 usability 222:8 225:18 231:1

use 16:5.9 17:21 19:12 23:16 30:21 47:4 59:5 60:20 61:5 70:21 72:13 73:10 86:10 87:14 88:12 92:7 93:8 93:11 101:22 112:21 115:21 117:8,17 118:11 123:17 125:6 134:19 138:20 141:11 145:8 148:16 156:16 159:22 160:6 172:5 173:2 196:20 197:2,6 202:19 203:20 229:14 240:5,6 258:6,18 259:15 275:18 277:2 278:1,6 283:4,18 284:1 285:1,1 286:4 296:10 304:10 310:2 310:6 311:14 useful 69:16 70:11 110:2 122:2 282:3 users 170:15 173:1 276:5,18 uses 103:19 254:22 265:8 277:22 usually 43:19.22 254:16 271:2 280:7 299:4 utility 210:15,22 utilization 197:3 utilize 284:14 utilized 106:5 160:19 196:1**utilizing** 135:22 v vaccination 9:20 vaccine 9:9.12 vaccines 9:15,16 vacuum 129:7 valid 95:2 212:16 213:16 217:5 validate 50:16 validation 94:14,17 95:21 validity 12:21 110:19 157:15 166:5 174:4 189:7 197:17 210:18 214:12 222:15 225:15 242:21 300:5 valuable 290:7 325:14 value 5:10 90:5,8,10 138:22 198:13 215:21 216:6 321:1,16 value-based 15:20 18:2 18:5 20:4 24:4 27:4,9 29:16 79:22 valued 185:12

valued/devalued 84:1 variability 54:13,15 224:13 variable 33:16 147:22 152:22 153:7 variables 52:9 92:15 106:18 107:7 108:14 146:8 148:13,18 149:3 158:21 159:5 190:16 226:11 227:9 230:17 231:7 323:9 323:10 324:3,11,12 variance 106:20 variances 92:8 variants 180:8 variation 140:10 258:6 268:3,9 296:5 variations 232:10 varied 26:3 variety 59:19 170:15 171:7,17 189:20 235:2 276:1,15 277:13 various 40:3 128:5 179:1.12 187:15 220:15 vendors 257:6.9 venture 115:22 verbally 281:19 282:4 version 95:1,3 160:1,5 238:18 254:19,22 255:1 278:10 versions 302:8 versus 34:10 38:11,13 39:4 75:3,7 105:14 118:9 124:21 125:2 137:11 147:19 152:15 191:13 204:3,4 302:22 Vice 3:3,5 view 177:10 311:9 viewed 178:22 211:2 216:18 views 130:1 Viral 11:5 virtually 272:15 visibility 225:7 visited 273:7 visits 37:9 66:17,21 67:2,7 visual 20:13 vitally 250:6 voices 289:12 315:18 **voluntary** 101:14 296:10 volunteer 89:19 vote 237:11,15 289:4 290:8,18,20 296:18

296:20 297:22 298:4 298:7,16 304:3 308:8 308:12 309:17,17,19 **voted** 9:8,22 10:12 11:16 votes 290:15 voting 237:8,22 288:22 289:2,11,14 290:11 291:2,3,20 298:10,12 303:4 309:2,7 310:15 310:20 w wait 247:1 308:19,19 waited 248:4 waiting 247:9 271:22 waiver 75:7,8,10,12,17 75:22 76:6 273:22 278:21 280:12 walk 20:12 240:10 walk-through 194:17 wanted 8:18 9:6 12:14 13:7 22:14 56:15 70:1 74:11 82:17 83:14 98:10 124:20 125:15 125:17 131:6 133:18 152:6 157:19 169:10 169:16 171:1,14,22 172:3 178:21 197:7 199:10 219:3 237:5 298:14 303:6 310:5 318:20 324:18 wanting 257:8 wants 264:6 274:21 Washington 1:20 56:12 67:1,2 wasn't 17:9 84:13 163:9 199:18 310:12 319:11 wasted 106:9 watching 319:13 water 36:7 way 16:21 25:3 27:7 51:6 52:5,13 70:22 73:20,21 81:4,21 87:13 89:20 93:22 98:19 99:4 106:5 111:21 112:19,20 130:11,16 132:19 140:2 145:3 153:13 156:2 158:10 160:17 160:19 163:14 195:2 195:7,8 203:13 207:14 212:8,14 213:4,16 216:8 230:20 235:7 236:3 252:19 257:13 269:9 277:2 286:17 306:20 307:2,4,22 308:4

310:13 314:10.11 315:15 317:21,21 320:4 323:14,16 326:1 ways 22:17 23:20 26:14 27:17,21,22 31:1 33:20 62:16 71:13 88:10 103:17 104:1 109:11 115:12 124:16 156:11 162:2 198:9 212:15 276:15 wealth 84:8 webinar 231:9 246:14 308:13 week 149:19 164:16,17 165:15 weeks 158:13 214:19 221:3 304:9 weight 181:20 weighted 179:15 313:16 weighting 177:16 weightings 177:12,14 177:15 179:11,14 181:3 182:9,11 weights 177:18 welcome 5:2 82:5 237:5 welcomed 185:12 well- 87:22 230:7 244:12 well-developed 307:22 well-known 214:11 Wendy 2:7 302:14 303:12 went 123:16 133:10 167:15 237:2 261:1 292:18 293:18 304:12 330:21 weren't 312:12 wheel 102:20 who've 100:12 wholeheartedly 306:6 whoops 143:9 whys 22:7 wide 21:11 170:15 widely 60:15 185:16 197:14 207:6 wider 93:20 widowhood 83:6 105:4 105:22 willing 115:13 208:9 257:11 **WILSON 3:5** Wisconsin 189:19 196:20 197:21 198:7 229:8 273:17,19 306:22 wish 35:22 39:18

281:16 319:3,17 330:14 Women's 13:17 wonder 113:21 287:3 wondered 41:19 43:10 52:21 wonderful 14:10 16:16 59:13 62:1 82:2 196:22 200:9 239:11 319:7 wondering 43:6 60:7 111:18 Wood 126:21 word 30:21 128:19 wording 252:10 wordings 224:11 words 52:8 256:1 301:1 work 16:1 22:11 33:6 42:9,11 53:5 54:20 55:13,15 64:4,5,8 71:4,15 74:5 77:18,19 77:21 78:6 81:1,2 82:15 87:10 93:14,15 98:13,16 99:21 100:15 102:3,16 107:1 120:12 126:3 130:2 131:10 133:17 139:8 142:2 143:15 144:14 145:11 150:22 158:20 162:21 169:4 171:5 173:9 187:11 200:3.19 211:9 218:19 219:10 221:3 223:4 224:2,22 225:11,22 229:7,11 231:12,14,21 235:1,6 235:8 236:13,14 239:16 244:7 245:10 248:5 261:16,16 268:5 271:18 304:2 312:18 317:7 325:7 325:14,18 326:1,21 327:7 329:15,22 330:5.11 worked 15:12 142:1 245:9 269:20 303:21 323:17 worker 274:6 workers 2:20 303:20 workforce 175:1 265:14 300:14 workgroup 1:9,18 2:2,3 5:14,17 9:8,13,22 10:5,12,14,20 11:3,5 11:10,11,16,18 12:4,9 12:14 13:4 32:9 38:2 121:4 122:6 314:8 325:19 329:21

workgroup's 11:13 workgroups 102:12 working 13:22 40:3 87:8 108:21 110:16 112:7 138:13 169:21 170:5 173:21 174:9 175:14 180:22 188:12 192:13 206:16,22 214:15 217:21 221:14 222:6 225:21 227:2 235:10 250:7 281:9 284:10 313:6,22 314:2 316:13 318:5 328:1 workloads 46:12 works 108:14 262:12 284:9 290:5 315:8 world 94:11 97:12 124:13 202:21 316:11 317:9 327:17 worried 24:15 worry 37:10 137:15 worse 19:1,18 23:20 46:6,13 53:20 worsen 136:14 worsening 138:5 worst 80:7 wouldn't 14:11 89:22 106:9 168:21 312:19 326:8 wrapping 158:13 write 39:19 127:2 320:14 writing 81:18 written 216:8 wrong 140:1 wrote 211:7 Х X 101:20 212:20 x-axis 193:8 Υ **Y** 101:20 y-axis 193:11 Yabroff 4:2 13:18,22 14:7 45:3 51:16 53:3 58:7 59:13 60:2.22 64:16 65:18 66:8 67:21 70:18 72:17 81:15 82:1 year 29:5,19,20 49:10 68:16,20 88:3 104:8 104:10 114:4 149:7 169:12 188:10 225:12 233:19 235:12 241:9 273:20 year-and- 164:5

			364
	200.45 244.4	222 0.20	E2 044-40
year-and-a-half 57:9	309:15 311:1	232 6:20	53 241:10
178:3	1030 1:19	239 7:2	54 178:2
years 18:7 32:10 35:11	11 36:22 174:15 214:7	24 36:13 214:8	56 222:3
40:3 41:6 56:21 57:20	261:22 290:14	25 214:8 241:6	
96:17 98:13 103:1	11:24 133:10	26 22:2 214:8 245:5	6
104:8 111:1 112:8	11:42 133:11	2614 12:10	6 174:7 219:15 226:9
114:20 127:19,21,22	113 56:13 59:18	2615 12:11 13:3	227:2 228:10
134:4 139:6 141:2	12 214:7 260:17	2616 12:12 13:4	6,000 215:1
198:15 200:10 219:10	12:00 133:8	2697 291:18	60 36:12,15 227:9
231:19 238:15,21	12:16 167:15	2775 11:16	279:11 306:10
244:7 290:5 301:13	120 205:17	2776 11:22	60-90 37:5
308:1 313:3 314:9	126 5:17	280 178:4	600,000 49:9
319:11 325:7,19	13 264:20 273:13	2858 11:10	61 279:15
yell 263:18	133 5:21 6:3	292 7:11	620 195:11
yeses 310:22 311:1	14 5:8 32:9 310:21	2967 7:12 291:22	65 94:15 270:4 280:16
yesterday 8:9,10 95:12	15 42:19 54:11 251:21	293:13 298:7 309:2	
126:5 127:15 128:5	309:12 310:9,22	309:15 310:16	7
132:9 161:3 298:13	311:1	000.10 010.10	721:2
303:4 311:18 312:13	15-minute 133:7	3	7-digit 107:15
312:15,20	15,000 48:22 123:12	3 173:18 202:12 212:13	70 233:7 241:6 279:11
York 229:8	150 6:4	219:15,16,19 245:8	701 195:22
younger 92:1	150 0.4 15th 1:19	3-item 95:1	701 195.22 72 21:21
	166 6:5	30 1:14 36:14,14 251:9	72-year-old 32:19 43:14
Z	167 6:6	256:14 273:19 319:11	12-year-old 32.19 43.14
Z 101:20	169 6:10	30-day 36:11 37:6	8
Z -101.20 Z- 182:7	17 42:20	328:19	8 5:2
zero 309:13	19 189:18 293:13	30-year-old 32:18	
zero-to-100-point	295:10,21 298:8	3086 11:4	80 322:12 82 5:12
179:15	300:20	31 52:18	85 43:19 120:2
zeroed 63:5	1920 101:13	32 20:20	65 43.19 120.2
ZIP 39:13 64:7 66:15,20	1920 101.13	32 20.20 3200 245:4	9
	1980s 241:4,5 303:22	326 7:14	·
66:22 67:8 92:9,11	1990s 241:4,5 505.22		9 5:3 98:4 145:19
98:4 105:6 107:15 111:4 118:9,15 119:2	19905 241.5	328 7:17	279:22
	2	330 7:19 34 251:10 260:16	9- 118:8 143:15 147:5
124:21 125:1,13,13 143:16 144:2,3,3,7,16	2 173:14 188:2,9,19	35 265:15	9-code 105:5
145:5,14 146:5,12	194:8 214:17 244:21	33 205.15	9-digit 39:13 92:10
145.5,14 146.5,12		4	107:15 111:3 118:15
	2-year 139:9		119:2 125:13 144:3,7
ZLOTNIK 2:19 86:19	2:25 237:2	4 155:18 173:21 174:10	144:11,13,16 145:5
265:11 268:12 269:18	2:35 236:22 237:3	212:13 219:15,16,17	145:14 146:5
270:13 298:3,10,17	20 57:20 59:19 103:1	221:8,9 222:12	9-level 146:12
300:13	112:8 133:8 145:20	224:20	9:00 1:20
zone 103:3	238:15 280:4 319:11	4.2 155:20	9:06 8:2
Zuckerman 4:3 13:17	20-25 219:12	4:13 330:21	90 36:12,15 53:1 120:2
14:9 63:8,9	2004 70:6	40 273:20	205:16 322:12
0	2010 241:18	40,000 52:20	92 195:8
· · · · · · · · · · · · · · · · · · ·	2012 196:18	42 227:13	94 195:19
0043 9:9	2013 32:9 163:21 243:7	5	95 190:3 280:2
0557 10:3	2014 134:17 163:21		97 53:1
0558 9:22	241:9 243:8,12	5 21:17 70:6 174:2,10	972 195:2
0682 9:10	2015 141:5 243:12	212:13 219:15,17	99 233:7
	2016 245:12,13	224:16,17 225:3	9th 1:19
	2017 1:14	226:2,18	
1:15 167:12,12,16	2019 16:20	5-digit 92:9 144:8	
10 214:7,18 245:5	21 252:2	5,000s 190:7	
256:18 280:1 310:9	21st 31:3	50 36:15 56:21 145:22	
313:3	22 210:17 256:13	287:15	
100 109:10 113:19	23 268:12,15	52 101:14	
1	I	1	1

CERTIFICATE

This is to certify that the foregoing transcript

In the matter of: Measure Applications Partnership Dual Eligible Beneficiaries Workshop

Before: NQF

Date: 03-30-17

Place: Washington, DC

was duly recorded and accurately transcribed under my direction; further, that said transcript is a true and accurate record of the proceedings.

near Rans &

Court Reporter

NEAL R. GROSS

COURT REPORTERS AND TRANSCRIBERS 1323 RHODE ISLAND AVE., N.W. WASHINGTON, D.C. 20005-3701

www.nealrgross.com

(202) 234-4433