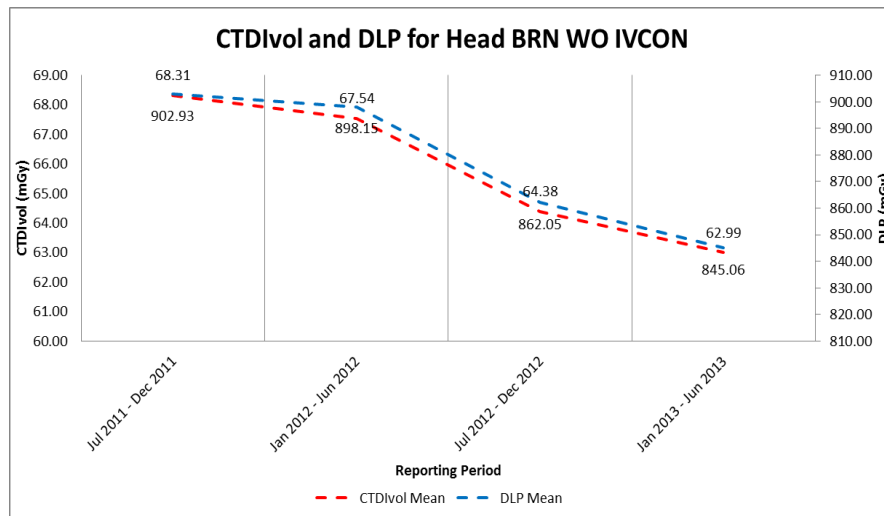


Table 1. Characteristics of facilities in the ACR Dose Index Registry

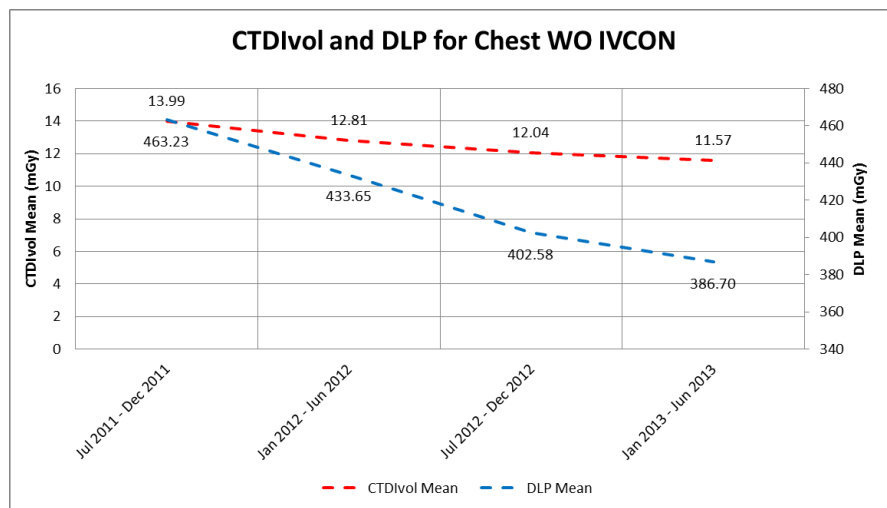
Facility Characteristics	# of Facilities (N)	Percentage (%)
<b><i>Facility Category</i></b>		
Academic	69	13.5
Community hospital	225	44.1
Multi-specialty clinic	21	4.1
Freestanding center	166	32.5
Children's hospital	15	2.9
Other	14	2.7
<b><i>Facility Location</i></b>		
Metropolitan	255	50.0
Suburban	191	37.5
Rural	64	12.5
<b><i>Census Division</i></b>		
International	10	2.0
New England Division	35	6.9
Middle Atlantic Division	89	17.5
East North Central Division	99	19.4
West North Central Division	37	7.3
South Atlantic Division	92	18.0
East South Central Division	19	3.7
West South Central Division	34	6.7
Mountain Division	41	8.0
Pacific Division	54	10.6
<b>Total</b>	510	100

Figure 1. Trends in dose indices (CTDIvol and DLP) over time for 3 high volume exams

a. CT Head without contrast



b. CT Chest without contrast



c. CT Abdomen Pelvis with Contrast

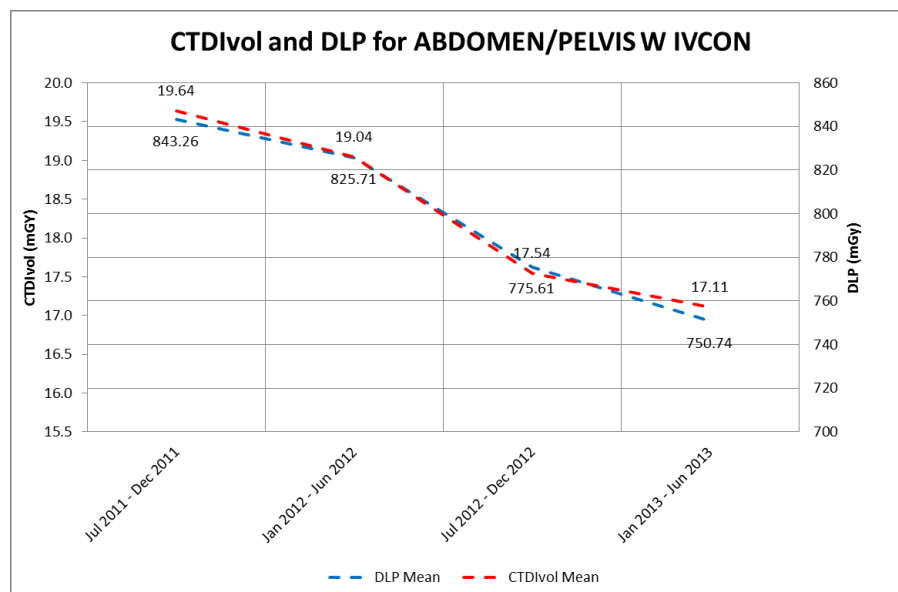
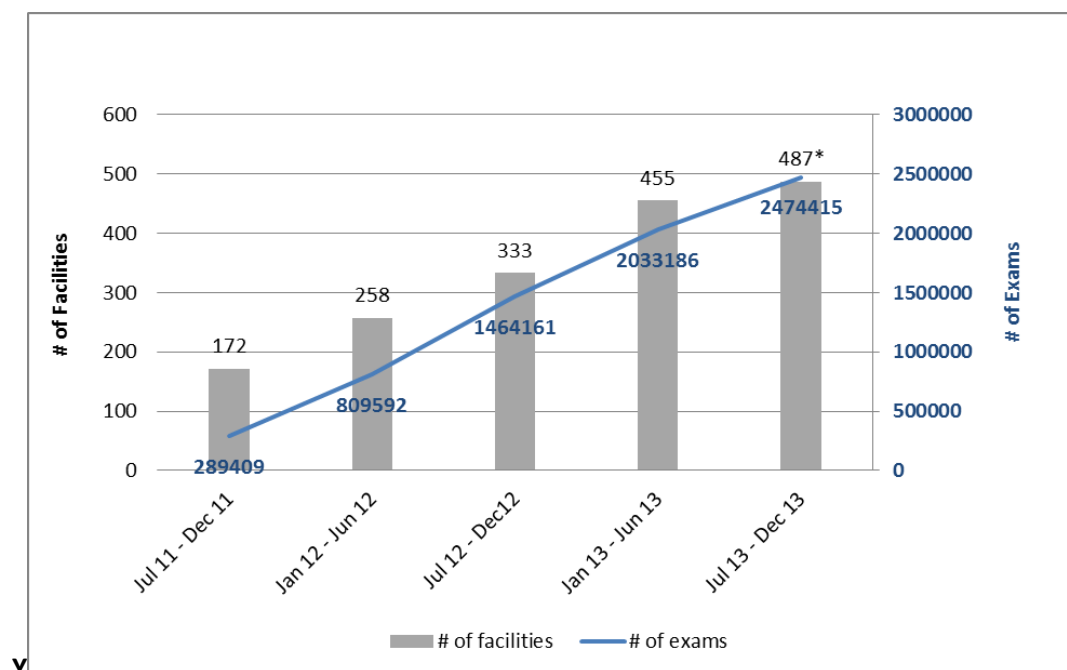


Figure 2. Trends in participation – facilities and exams in the registry



\* Some facilities stopped sending data temporarily for a number of reasons; therefore not all 510 facilities were in the registry in any period.

Figure 3. Extracts from spreadsheet supplement reports provided to facilities

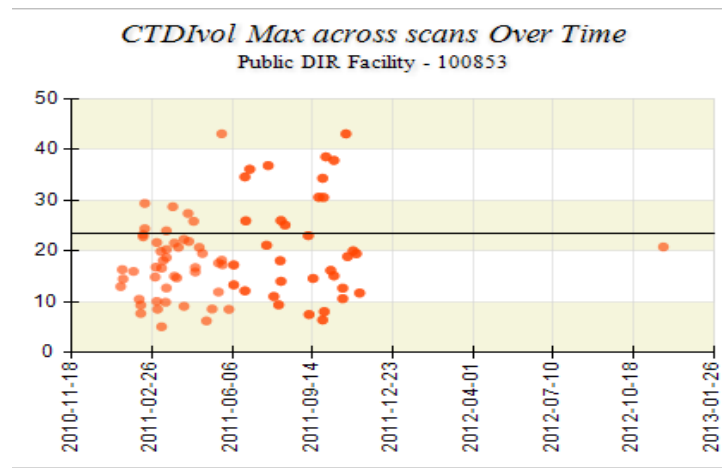
a. Sample from spreadsheet supplement to DIR semi-annual facility report

1: Site 999999						2: All DIR sites				
SSDE per exam (mGy)	DIR Standing	N	25th %ile	Median	75th %ile	N	25th %ile	Median	75th %ile	
CT ABDOMEN	25th-75th %ile	89	17	23	42	5579	17	28	49	
CT ABDOMEN ANGIO W IVCON	25th-75th %ile	50	15	29	41	1232	20	31	49	
CT ABDOMEN ANGIO WO THEN W IVCON	Above 75th %ile	21	52	68	88	480	22	37	56	
CT ABDOMEN BIOPSY KIDNEY GUIDANCE	.	0	.	.	.	78	61	102	141	
CT ABDOMEN BIOPSY LIVER GUIDANCE	.	0	.	.	.	112	74	143	217	
CT ABDOMEN BIOPSY RETROPERITONEUM GUIDANCE	.	.	.	.	.	81	44	81	129	
CT ABDOMEN KIDNEY ANGIO	25th-75th %ile	23	25	36	44	115	30	58	89	
CT ABDOMEN KIDNEY WO THEN W IVCON	Above 75th %ile	8	54	77	98	600	22	44	67	
CT ABDOMEN LE ANGIO W IVCON	.	.	.	.	.	44	7	12	14	
CT ABDOMEN LIVER MULTIPHASE WO THEN W IVCON	.	0	.	.	.	1251	41	59	87	
CT ABDOMEN PANCREAS	.	0	.	.	.	303	20	36	63	
CT ABDOMEN PANCREAS MULTIPHASE WO THEN W IVCON	25th-75th %ile	13	60	68	95	262	41	53	71	
CT ABDOMEN PELVIS	.	.	.	.	.	3292	19	37	64	
CT ABDOMEN PELVIS ANGIO	25th-75th %ile	132	44	66	93	2511	39	57	80	
CT ABDOMEN PELVIS ANGIO WO THEN W IVCON	Above 75th %ile	89	42	62	79	1703	24	40	60	
CT ABDOMEN PELVIS COLONOGRAPHY W IVCON	25th-75th %ile	19	5	6	7	554	5	7	13	
CT ABDOMEN PELVIS COLONOGRAPHY WO IVCON	Above 75th %ile	2	66	72	77	299	9	12	20	

b. Sample trend report

2013 January-June						2012 July-December			
SSDE per exam (mGy)	N	25th %ile	Median	75th %ile		N	25th %ile	Median	75th %ile
CT ABDOMEN	79	11	14	18		43	11	13	16
CT ABDOMEN ANGIO W IVCON	5	107	120	131		3	105	242	262
CT ABDOMEN ANGIO WO THEN W IVCON	15	90	131	160		4	82	114	165
CT ABDOMEN KIDNEY ANGIO	8	62	83	96		1	97	97	97
CT ABDOMEN KIDNEY WO THEN W IVCON	.	.	.	.		.	.	.	.
CT ABDOMEN LE ANGIO W IVCON	.	.	.	.		.	.	.	.
CT ABDOMEN LIVER MULTIPHASE WO THEN W IVCON	.	.	.	.		.	.	.	.
CT ABDOMEN PANCREAS	.	.	.	.		.	.	.	.
CT ABDOMEN PANCREAS MULTIPHASE WO THEN W IVCON	8	20	37	69		2	24	32	39
CT ABDOMEN PELVIS ANGIO	.	.	.	.		.	.	.	.
CT ABDOMEN PELVIS ANGIO WO THEN W IVCON	7	15	21	38		4	17	84	161
CT ABDOMEN PELVIS COLONOGRAPHY W IVCON	3	17	28	41		6	25	32	37
CT ABDOMEN PELVIS COLONOGRAPHY WO IVCON	.	.	.	.		.	.	.	.

Figure 4. Screen shots of live reports available at all times with facility's own data



Horizontal line on chart = Registry median

