	Measure 0422: Functional status change for patients with Knee impairments (Focus on Therapeutic Outcomes, Inc)
Description	A self-report measure of change in functional status for patients 14 year+ with knee impairments. The change in functional status assessed using FOTO's (knee) PROM is adjusted to patient characteristics known to be associated with functional status outcomes (risk adjusted) and used as a performance measure at the patient level, at the individual clinician, and at the clinic level to assess quality.
Numerator	Patient Level: The residual functional status score for the individual patient (residual scores are the actual change scores - predicted change after risk adjustment.

Individual Clinician Level: The average of residuals in functional status scores in patients who were treated by a clinician in a 12 month time period for knee impairment.

Clinic Level: The average of residuals in functional status scores in patients who were treated by a clinic in a 12 month time period for knee impairment. |
| **Numerator Details** | Patient Level: The residual score for the individual patients with knee impairments is derived by applying the statistical risk adjustment model described in S.14 and S.15 and applying steps 1-5 as described in S.18. The risk-adjusted scores can be applied to evaluate performance at the patient level using the methods described in section 2b5.1j of this application.

Individual Clinician Level: The average of residuals in functional status scores in patients who were treated by a clinician in a 12 month time period for knee impairment. Average scores are calculated for all clinicians, however performance is evaluated only for those clinicians that had a minimum of 10 patients in the previous 12 months. To maximize stability of the benchmarking estimates. In 2011-2013, FOTO used a standard threshold of 40 patients/clinician regardless of clinic size, but has recently changed its procedure to enable participation by clinicians that do not have a sufficient volume of patients. The score is derived by applying steps 1-6 as described in S.18

Clinic Level: The average of residuals in functional status scores in patients who were treated within a clinic in a 12 month time period for knee impairment. Average scores are calculated for all clinics, however performance is evaluated only for large clinics (5 or more clinicians) that had a minimum of 40 patients, and small clinics (1-4 clinicians) that had a minimum of 10 patients per clinician, in the previous 12 months to maximize stability of the benchmarking estimates. In 2011-2013, FOTO used a standard threshold of 40 patients/clinics regardless of clinic size, but has recently changed its procedure to enable participation by smaller clinics that do not have a sufficient volume of patients. The score is derived by applying steps 1-6 as described in S.18

Both comparative benchmark reports (i.e., scale ranging from 0 to 100 with higher scores meaning higher functional abilities) at the clinician or clinic level include patients with knee impairments, who were treated in therapy, had their functional status assessed at admission and at the end of their episode of therapy and were discharged from therapy. |

Denominator	All patients 14 years and older with knee impairments who have initiated rehabilitation treatment and completed the FOTO knee FS PROM at admission and discharge.
Denominator Details	The established ICD-9-CM codes for the knee include: Diagnoses specific to the knee: 682.6, 711.06, 711.16, 711.26, 711.36, 711.46, 711.56, 711.76, 711.86, 711.96, 712.16, 712.26, 712.36, 712.86, 715.16, 715.26, 715.36, 715.86, 715.96, 716.06, 716.16, 716.26, 716.36, 716.46, 716.56, 716.66, 716.86, 716.96, *717, 718.26, 718.36, 718.46, 718.56, 718.76, 718.86, 719.06, 719.16, 719.26, 719.36, 719.46, 719.56, 719.66, 719.86, 719.96, *726.6, 726.90, 727.51, 727.65, 727.66, 729.31, 730.06, 730.16, 730.26, 730.36, 730.76, 730.86, 732.4, 736.4, 736.5, 736.6, 739.6, 755.64, *822, *836, *844, 928.10, 924.11, 959.7, V43.65 * Use of an asterisk is to include all codes in the category Or Diagnoses not specific to the knee, but affect the function of the knee: 337.22, 355.2, 355.3, 355.4, 355.71, 355.79, 355.8, 355.9, 710.4, 710.8, 710.9, 711.09, 711.19, 711.29, 711.39, 711.59, 711.69, 711.79, 711.89, 711.99, 712.29, 712.39, 712.89, 714.0, 714.30, 714.4, 714.89, 714.9, 715.09, 715.18, 715.28, 715.38, 715.89, 715.98, 716.09, 716.19, 719.29, 716.39, 716.49, 716.59, 719.89, 716.99, 718.29, 718.39, 718.49, 718.59, 718.89, 719.09, 719.19, 719.29, 719.39, 719.49, 719.59, 719.69, 719.7, 719.89, 719.99, 726.90, 727.00, 727.02, 727.09, 727.2, 727.3, 727.40, *727.8, 727.9, 728.2, 728.3, 728.4, 728.5, 728.87, 728.89, 728.9, 729.0, 729.1, 729.2, 729.4, 729.5, 729.81, 729.89, 729.90, 730.09, 730.19, 730.29, 730.39, 730.79, 730.89, 732.9, *733.0, 733.49, 736.81, 780.79, 781.2, 781.3, 827.0, 827.1, 848.8, *891, 897.0, 897.1, 924.4, 996.77, 996.78, V49.75, V54.81, V57.1, V57.81, V57.89, V58.78 * Use of an asterisk is to include all codes in the category The ICD 10 Crosswalk is provided on the measure specific webpage provided in S.1.
Exclusions	•Patients who are not being treated for a Knee impairment •<14 years of age
Exclusion details	•Patients who are not being treated for a knee impairment •Age under 14 years old.
Risk Adjustment	Statistical risk model
Stratification	Risk adjusted - not stratified
Type	Outcome: PRO-PM
Type of Score	Continuous variable, e.g. average
Data Source	Electronic Health Data, Instrument-Based Data, Paper Medical Records
Level	Clinician : Group/Practice, Clinician : Individual, Facility
Setting	Other:Hospital Outpatient, Outpatient Services, Post-Acute Care

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