

FOTO Research Data Request Form

INSTRUCTIONS

For data requests related to research projects, please complete this **Research Data Request** form and the FOTO **Research Project Proposal** form.

Parts 1-3 must be completed; Parts 4-8 are optional. Check only the data elements that are relevant for your research project, and make sure that all data elements requested are adequately justified in the Research Project Proposal form.

PART 1 (required): Data Report Set Up and Delivery

Date Range: Last one year, Last two years, or

Date specific date range (starting 2013): Begin: _____ End: _____

Data Format: .csv .xlsx

Mode of Data Delivery

Scenario 1: You are requesting a fully blinded data set. The data will be delivered to you via One Drive folder sharing.

Scenario 2: You are a FOTO subscriber, have a signed Business Associate Agreement with FOTO, and are requesting your facility's unblinded data only.

- Be sure to specify the name and email address of the FOTO subscriber who has access to your organization's secure FOTO Report Portal as this will be the mode of data delivery.
- Attach a spreadsheet indicating the names and FOTO-designated IDs for each clinician and/or clinic that you would like to have included in the data pull.

PART 2 (required): FOTO Primary Patient Reported Outcome Measures

FOTO Primary patient-reported outcome measures (PROMs) are administered, in the FOTO Patient Outcomes system, to all standard patient episodes set up in FOTO and thus represent strongest sample sizes for outcomes. These PROMs were typically developed using item-response theory (IRT) methods and administered by computer adaptive testing (CAT).

The available care types are: Orthopedic, Industrial, Pain Management, Neurologic, Cardiovascular/Pulmonary, Pelvic Floor, Speech, and Pediatrics. The Orthopedic, Industrial, and Pain Management care types use the same list of PROMs and are thus grouped together in the section below.

Please limit your selection to one care type and one PROM. If adequately justified in the Research Project Proposal form, a maximum of 3 PROMs within one care type may be selected, however keep in mind that **the scores from different PROMs should not be aggregated or directly compared as they represent different metrics.**

You may consult <https://www.fotoinc.com/science-of-foto> to review published psychometric properties of each PROM to guide your selection and study design.

Orthopedic Industrial Pain Management care types

- FOTO Low Back FS PROM (aka “The Lumbar CAT”)
- FOTO Neck FS PROM
- FOTO Shoulder FS PROM
- FOTO Elbow, Wrist and Hand FS PROM as used for patients with impairments pertaining to the following body regions (*check all that apply to your study*)
 - Upper Arm
 - Elbow
 - Forearm
 - Wrist
 - Hand
- FOTO Lower Extremity Physical Function (LEPF) PROM as used for patients with impairments pertaining to the following body regions (*check all that apply to your study*)
 - Hip
 - Upper Leg
 - Knee
 - Lower Leg without Knee
 - Ankle
 - Foot
 - Pelvis
- Jaw Functional Status Scale (JFSS) PROM

In the orthopedic care type, the JFSS is used for patients with orthopedic-related oral or facial conditions that affect function including temporomandibular joint disorders (TMJ or TMD), cancer- or cancer-treatment related conditions, dislocation, fracture, trismus or other muscle spasm, and post-surgical.

Neurological care type

- FOTO Stroke Upper Extremity PROM

The SUE is used for patients who have experienced a stroke, cerebrovascular accident (CVA), monoplegia, hemiplegia, intra cerebral hemorrhage or other paralytic syndrome impacting functional abilities related to use of the hand, arm, and upper trunk.
- FOTO Stroke Lower Extremity (SLE) PROM

The SLE is used for patients who have experienced a stroke, cerebrovascular accident (CVA), monoplegia, hemiplegia, intra cerebral hemorrhage or other paralytic syndrome impacting functional abilities related to use of the foot, leg, and lower trunk.
- FOTO Dizziness Functional Status (DFS) and the FOTO Dizziness Positional Status (DPS) PROMs

The DFS and DPS are used for patients with vestibular impairments such as (but not limited to) the following:

 - Disorders of vestibular function
 - Benign proximal paroxysmal vertigo (BPPV)
 - Vestibular neuronitis
 - Other peripheral vertigo
 - Vertigo of central origin
 - Other and unspecified disorders of vestibular function

Vertiginous syndromes
Labyrinthitis and other labyrinthine dysfunction
Vertigo NOC
Dizziness and giddiness
Vestibular dysfunction due complications from aging
Excluded: Patients being seen primarily for impairments of balance; see Neurologic care type, Balance impairment

FOTO Balance Confidence (BC) PROM

The BC is used for patients with impairments of balance such as (but not limited to) the following:

Abnormalities of gait and mobility including ataxic gait, paralytic gait, difficulty walking
NOC, unsteadiness on feet, other or unspecified abnormalities of gait and mobility
Lack of coordination, other or unspecified lack of coordination
Repeated falls
At risk for falling
History of falling
General malaise
Muscle weakness (generalized)
Age-related physical debility

Excluded: Patients being seen primarily for vestibular impairments; see Neurologic care type, Vestibular impairment

Jaw Functional Status Scale (JFSS) PROM

In the neurologic care type, the JFSS is used for patients with neurological-related oral or facial conditions that affect function such as trigeminal neuralgia, atypical facial pain, Bell's palsy, Ramsay Hunt Syndrome, and other disorders of or damage to the trigeminal nerve, facial nerve or other cranial nerves.

FOTO General Physical Function PROM as used for the following patient categories (check all that apply to your study):

- Brain injury
- Cancer
- Vertigo/Vestibular
- Non-Traumatic CNS Disorders
- Quadriplegic, Paraplegic, and Other Paralytic Syndromes
- Peripheral Nervous System Disorders/Injuries
- Injury to Nerves Other Than Spinal Cord
- Not Otherwise Classified Neuromuscular Disorders
- Cancer
- Multiple Sclerosis

Cardiovascular/Pulmonary care type

FOTO Upper Quadrant Edema (UQE) PROM

The UQE is used for patients with edema/regional swelling (such as Lymphedema) in the upper quadrant and in which the patient experiences generalized swelling of a body region and is not limited to a specific joint. Included in this category are:

Lymphedema, venous insufficiency, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels, phlebitis and thrombophlebitis, portal vein thrombosis, other venous embolism and thrombosis

Post-masectomy lymphedema syndrome

Edema or swelling of a whole body region (not a joint) (e.g., obesity-related swelling of the legs)

Lipoedema

Cellulitis

Other and unspecified causes of swelling of a body region.

Excluded: Swelling that is limited to a specific body part or joint (e.g., a swollen knee)

FOTO Lower Quadrant Edema (LQE) PROM

The LQE is used for patients with edema/regional swelling (such as Lymphedema) in which the patient experiences generalized swelling of a body region and is not limited to a specific joint. Included in this category are:

Lymphedema, venous insufficiency, non-specific lymphadenitis, other non-infective disorders of lymphatic vessels, phlebitis and thrombophlebitis, portal vein thrombosis, other venous embolism and thrombosis

Post-masectomy lymphedema syndrome

Edema or swelling of a whole body region (not a joint) (e.g., obesity-related swelling of the legs)

Lipoedema

Cellulitis

Other and unspecified causes of swelling of a body region.

Excluded: Swelling that is limited to a specific body part or joint (e.g., a swollen knee)

The **FOTO General Physical Function PROM** as used for the following patient categories (check all that apply to your study):

Rheumatic and Heart Disease

Diseases of Arterial System

Lung Disease

Cancer

Pelvic Floor care type

FOTO Urinary Problems PROM (includes patients with urinary leaking and frequency)

FOTO Fecal Constipation PROM

FOTO Fecal Incontinence PROM

Speech care type

- Neuro QoL HDQLIFE Swallowing Difficulties
- PROMIS Cognitive Function 2.0
- Neuro QoL Communication

Pediatric care type

- Neuro QoL Pediatric Cognitive Function
- PROMIS Pediatric Mobility
- PROMIS Pediatric Upper Extremity

PART 3 (required): Primary PROM score specifics

3a. For the PROM(s) selected above, do your research plans require

- Scores only
OR
- Scores and responses (If this box is checked, provide justification for response-level data in the Research Project Proposal form.)

3b. For the PROM(s) selected above, please indicate the score(s) relevant to your research project:

- Initial evaluation PROM score
- Last status (progress) or discharge PROM score
- All status (progress and discharge) PROM scores if available (If you select this option, justify the selection in the Research Project Proposal)

3c. Your attestation about this statement: Scores from different PROMs should not be aggregated or directly compared as they represent different metrics.

- I understand this statement and agree to adhere to this principle in the design of my study's methods and analytic testing.
- I do not understand/agree and request further explanation.

Part 4 (optional): Secondary PROMs

Secondary PROMs are optional for clinicians to add to a standard patient episode in the FOTO system. Because any secondary PROMs are administered in addition to the standard primary PROM and risk adjustment questions, clinicians typically add a maximum of one or two secondary PROMs to each patient episode. For this reason, you are advised to select no more than one or two secondary PROMs to compliment your study aim so as to maintain strong sample sizes. If you need assistance selecting secondary measures for your research project, please contact mwerneke@nethealth.com.

- Abbreviated ABC Scale
- ABC Scale
- Comprehensive care for joint replacement (CJR)
- DASH
- DASH Quick
- DASH Work
- (FOTO) Dizziness Emotional Status (DES)
- Dizziness Handicap Inventory (DHI)
- Employment Information
- FACIT Fatigue Scale
- Fall history
- Fear (FABQ-Physical Activity)
- Fear (FABQ-Work)
- Global Rating of Change – Patient-rated
- Global Rating of Change – Clinician-rated
- HOOS, JR.
- Jaw Functional Limitation Scale
- KOOS, JR.
- Level of Pain in Last 24 Hours
- Lower Extremity Functional Scale
- Modified Oswestry LBP Disability Questionnaire
- Optional Demographic questions
- OSPRO Review of Systems (ROS)
- Oswestry Disability Index 2.0 (ODI)
- Neuro QoL Swallowing difficulties (HDQLIFE)
- Neuro QoL Pediatric Cognitive Function
- Neuro QoL Communication
- Neuro QoL Fatigue
- Neuro QoL Lower Extremity
- Neuro QoL Upper Extremity
- Neuro QoL Positive Affect and Well-Being
- Neuro QoL Ability to Part in Social roles & activity (SRA)
- Neck Disability Index (NDI)
- Net Promoter Score

(Pain Module – check all that apply)

- Pain Module - Intensity
- Pain Module - Constancy
- Pain Module - Activities that Increase
- Pain Module - Activities that Reduce
- Pain Module - Pain at Night
- Pain Module - Body Diagram
- Patient Acceptable Symptom State (PASS)
- Patient Educational level
- Patient History Full
- Patient History Short
- Patient Satisfaction
- Patient Satisfaction Free text comments
- Patient Specific Functional Scale (PSFS)
- PHQ-2 (Patient Health Questionnaire for depressive symptoms screening)
- PHQ-9 (Patient Health Questionnaire)
- PROMIS Global Health
- PROMIS Cognitive Function
- PROMIS Pain Interference
- PROMIS Pediatric Mobility
- PROMIS Pediatric Upper Extremity
- PROMIS Physical Function (CAT)
- PROMIS Sleep Disturbance
- Referral
- Referral Source
- SPARE Fear Avoidance (FA)
- SPARE Negative Mood
- SPARE Negative Coping (NC)
- STarT Back Screening Tool
- Telehealth question(s)
- Traumatic Injuries Distress Scale (TIDS)

4a. For the Secondary PROM(s) selected above, do your research plans require

- Scores only

OR

- Scores and responses (If this box is checked, provide justification for response-level data in the Research Project Proposal form.)

4b. For the Secondary PROM(s) selected above, indicate the score(s) required for your research:

- Initial evaluation PROM score
- Last status (progress) or discharge PROM score
- All status (progress and discharge) PROM scores if available (If you select this option, justify the selection in the Research Project Proposal)

Part 5 (optional): Legacy PROMs as primary measures in FOTO

As part of the Outcomes Your Way, launched in 2021, providers using FOTO may choose to by-pass the FOTO-recommended/standard IRT-based PROM and select an alternative legacy PROM. The following legacy PROMs may be used as primary measures in FOTO.

Orthopedic

- Modified Oswestry (Low Back Pain Disability Questionnaire)
 - include corresponding cross-walked score to the FOTO Low Back FS PROM
- Neck Disability Index
 - include corresponding cross-walked score to the FOTO Neck FS PROM
- DASH for patients with shoulder impairments
 - include corresponding cross-walked score to the FOTO Shoulder FS PROM
- DASH for patients with (select all that apply) upper arm, elbow, Forearm, Wrist, and Hand impairments
 - include corresponding cross-walked score to the FOTO Elbow/Wrist/Hand FS PROM
- Lower Extremity Functional Scale for patients with (select all that apply) Hip, Upper Leg, Knee, Lower Leg without Knee, Ankle, Foot, Pelvis
 - include corresponding cross-walked score to the FOTO LEPF PROM
- HOOS Jr for patients with hip impairments
 - include corresponding cross-walked score to the FOTO LEPF PROM
- KOOS Jr for patients with knee impairments
 - include corresponding cross-walked score to the FOTO LEPF PROM

Neurologic

- Dizziness Handicap Inventory
 - include direct scoring to the FOTO Dizziness Functional Status PROM
 - include direct scoring to the FOTO Dizziness Positional Status PROM
- ABC Scale
 - include direct scoring to the FOTO Balance Confidence PROM

Part 6 (optional): Risk Adjustment Variables + Other Patient Characteristics

X The following baseline patient characteristics are gathered for every patient episode as part of the standard Intake set up **and will be automatically included in your requested dataset**: Care Type, Condition or Body Part, Intake PROM Score, Gender, Age (when 89 or younger), Acuity, Surgical History, Exercise History, Medication Use for Condition, Number of Comorbidities, Specific Comorbidities (includes height and weight for BMI calculation), Payer Type, Previous Treatment for Condition, Language, and Post-Surgical Type.

In addition to the above baseline patient characteristics, please select the following FOTO variable(s) relevant to your research project (*Blinding as indicated unless you are a FOTO subscriber requesting your own data*)

- Blinded Org Id
- Blinded Site Id
- Blinded Clinician Id
- Blinded Patient Id
- State
- Days after setup to Intake
- Days after setup to Status (Last Status)
- Days after setup to Staff Discharge
- Duration of episode as days from intake to last status
- Episode Setup Year
- Number of Visits
- Reason for No Intake (Non-Participation)
- Reason for No Status (Incomplete Discharge)

Part 7 (optional): Risk-adjusted Prediction Results

FOTO uses sophisticated mathematical modeling techniques to risk-adjust and control for the patients' baseline characteristics, listed above, which are known to influence outcomes. The risk-adjusted models were developed using linear ordinary least-square regressions to predict PROM score change and number of visits. In addition, FOTO provides risk adjusted classification of the clinician's outcome performance into 9 utilization categories to demonstrate quality of care and for utilization in a Pay for Performance (P4P) payer reimbursement programs. Based on risk-adjusted predicted PROM score change and number of visits, the clinician either exceeds (utilization categories #1-3), meets (utilization categories #4-6), or did not meet (utilization categories #7-9) the risk-adjusted prediction. For more information about the FOTO Utilization categories, please send your request to support@fotoinc.com.

The risk-adjusted predictions below are only available for the primary FOTO's PROMs. If you select Legacy PROMs as Primary (Outcomes Your Way), these values will be provided to you based on cross-walking or direct scoring, as appropriate, from the Legacy PROM to its FOTO IRT-based PROM equivalent. Please select the following risk-adjusted predictions that are relevant to your research project as described in the Research Project Proposal form.

- FOTO Predicted PROM score Change
- FOTO Predicted Visits

- FOTO Predicted Duration (days)
- FOTO Utilization Performance Categories (#1-9)

Part 8 (optional): Other variables

Please select the following 1 variable(s) which are relevant to your research project: (sample sizes for optional variables except number of therapy visits, height, and weight may be limited)

- Height & Weight
- Clinical Practice Guideline-based Classification
- Clinician credentials (to determine provider type)
- Number of U.S. states
- Number of Physical Therapy Visits
- Number of Occupational Therapy Visits
- Practice Setting
- Proxy and Recorder Category
- Referral Source Type
- Treatment Interruption Days

X A code book will be automatically included with your data report.

For questions and to submit this Data Request Form with your Research Proposal Form, contact Mark Werneke at mwerneke@nethealth.com

Please use the space below to add any additional instructions.