FOTO Research Data Request Document

Parts I-III must be completed; Parts IV-VII are optional. Only check the data elements which are relevant for your research project. Please make sure that all data elements requested below are adequately justified in FOTO's Research Project Proposal document.

PART I

Specific Data Request/Description: Indicate what type of data you are requesting.

Date Range: ☐Last one year, ☐Last two years, or ☐ Date specific date range (starting 2013): Begin: Click here to enter a date. End: Click here to enter a date.

Data Format: ☐.csv ☐.xlsx

Mode of Data Delivery

☐ Scenario 1: You are requesting a fully blinded data set. Due to Net Health IT Security policies, the data will be delivered to you via Citrix Sharefile.

☐ Scenario 2: You are a FOTO subscriber, have a signed Business agreement with FOTO, and are requesting your facility's data only. (Alternatively, you are a consultant or researcher affiliated with a major university or college working directly on behalf of a FOTO subscriber.) This kind of data can be delivered via the subscriber's secure FOTO Report Portal. Please specify the name and email address of the FOTO subscriber's representative who has access to their facility's Report Portal: The data delivered to the subscriber's FOTO Report portal will contain identified patient and provider information. As a FOTO subscriber requesting your own data, please 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 II

FOTO's Primary Patient Reported Outcome Measures

The FOTO Outcomes Management system provides many primary patient-reported outcome measures (PROMs) assessing functional status (FS). The PROMs were typically developed using item-response theory (IRT) methods and are administered via computer-adaptive testing (CAT). All patients assessed in the FOTO system are administered at least one of these primary (mandatory) PROMs. The largest and most diverse sample sizes within the FOTO database are for patients with orthopedic conditions.

Please select the PROM of focus for your proposed study. All PROMs are IRT-based and CAT administered unless otherwise specified. 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. Considering FOTO's very large database for each FOTO PROM condition and to keep the scope of your research feasible, *FOTO encourages the PI to limit selection to one care type and one PROM.* If adequately justified in FOTO's Research Project Proposal document, a maximum of 3 PROMs within one care type can be selected, however keep in mind that the FS scores from different measures should not be aggregated or directly compared as they represent different metrics.

☐ **Orthopedic care type.** Please select one FS measure:

- ☐ FOTO Low Back FS PROM
- ☐ FOTO Neck FS PROM
- ☐ FOTO Shoulder FS PROM

☐ FOTO Elbow, wrist, hand FS PROM
☐ FOTO Hip FS PROM
☐ FOTO Knee FS PROM
☐ FOTO Ankle/Foot FS PROM
☐ The FOTO General Orthopedic FS Measure (includes craniofacial, thoracic spine, and rib body parts. The General Orthopedic FS Measure is also recommended for patients with complex pain conditions where the patient cannot identify the most problematic body part such as fibromyalgia).

☐ **Neurological care type.** The FOTO General Physical Functioning PROM is administered for each of the following neurological conditions except for the two stroke categories which use the Stroke Upper Extremity PROM or Stroke Lower Extremity PROM

☐ Brain injury
☐ Cancer
☐ Stroke-Upper Extremity
☐ Stroke-Lower extremity
☐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.** The FOTO General Physical Functioning PROM is administered for each of the following cardiovascular/pulmonary conditions except for Regional Swelling (lymphedema) for which either the Upper Extremity Regional Swelling PROM or Lower Extremity Regional Swelling PROM are administered:

☐ Regional Swelling (lymphedema) – Upper Extremity
☐ Regional Swelling – Lower Extremity
☐ Rheumatic and Heart Disease
☐ Diseases of Arterial System
☐ Lung Disease
☐ Cancer

☐ **Pelvic Floor care type**

☐ The FOTO Urinary Problems PROM (includes patients with urinary leaking, retention, and frequency)
☐ The FOTO Fecal Constipation PROM
☐ The FOTO Fecal Incontinence PROM

☐ **Pain Management care type.** This care type should be selected for the patients receiving treatment in a program that uses a multidisciplinary pain management clinical model. The same orthopedic body part FS PROM is administered depending on the body part selected within the Pain Management care type.

☐ **Industrial care type.** This care type should be selected for the patients receiving treatment in a program that uses a multidisciplinary rehabilitation clinical model directed by the employer or providers who prescribe intensive return to work treatment programs that includes functional capacity evaluations, work conditioning/simulation and/or onsite workplace

ergonomic assessments/modifications/educational programs. The same orthopedic body part FS PROM is administered depending on the body part selected within the Industrial care type.

Part III.

FS score determined at the following time points.

For the primary FOTO measure checked above, please indicate the FS score(s) which are relevant to your research project:

☐ Initial evaluation FS PROM score
☐ Last status or discharge FS PROM score
☐ All status FS PROM scores if available

Part IV.

Optional secondary Patient Reported Outcome Measures (PROMs)

In addition to FOTO's primary FS PROMs described above, outcome data from secondary measures may be available. Secondary measures are optional for use in the FOTO system; *sample sizes may be limited*. In addition, *if more than 1 optional survey is selected, the sample size will most likely be markedly reduced*. If you need assistance selecting secondary measures for your research project, please contact mwerneke@fotoinc.com.

Secondary/Optional Measures[++]: (score-level data will be provided)

____ Abbreviated ABC Scale
____ ABC Scale
____ Activities of Daily Living
____ Balance Confidence (BC)
____ Depression Subscale (SCL BPPM)
____ Dizziness Handicap Inventory
____ Employment Information
____ FACIT Fatigue Scale
____ Fear (FABQ-Physical Activity)
____ Fear (FABQ-Work)
____ Global Rating of Change
  ☐ Clinician
  ☐ Patient
____ HOOS, JR.
____ Jaw Functional Limitation Scale
____ KOOS, JR.
____ Level of Pain in Last 24 Hours
____ Lower Extremity Functional Scale
____ MIPS (PQRS) Measure 131 Pain Assessment
____ MIPS (PQRS) Measure 154 Falls Risk Assessment
____ Modified Fatigue Impact Scale Measure
____ Modified Oswestry LBP Disability Ques
____ OSPRO Review of Systems
____ Oswestry Disability Index 2.0
____ NeuroQOL - Ability to Part in SRA
____ NeuroQOL – Communication
____ NeuroQOL - Fatigue
____ NeuroQOL - Lower Extremity
____ NeuroQOL - Pos Affect and Well-Being
____ NeuroQOL - Upper Extremity
____ Neck Disability Index
____ Net Promoter Question
____ Pain Catastrophizing Scale
____ Pain Disability Index 7
____ Pain Module
  ☐ Intensity
  ☐ Constancy
  ☐ McGill
  ☐ Activities that Increase
  ☐ Activities that Reduce
  ☐ Pain at Night
  ☐ Body Diagram
____ Patient Acceptable Symptom State (PASS)
____ Patient educational level
____ Patient Specific Functional Scale
____ PHQ-2 (Patient Health Quest. (depression screen)
____ PHQ-9 (Patient Health Questionnaire)
____ Pelvic Floor Distress Inventory

__ Pelvic Floor Impact Questionnaire
____ PF Prolapse/Urinary Incont. Sexual Function
____ PROMIS Global Health
_____ Rivermead Post-Concussion Symptoms
____ Roland-Morris Low Back Disability
____ Self-Efficacy for Pain Management
____ Self-Efficacy for Coping with Symptoms
_____ Self-Efficacy for Physical Function
____ Somatization Subscale (SCL BPPM)
____ Scoliosis Research Society-22
____ STaRT Back Screening Tool
____ Stroke Impact Scale
____ Traumatic Injuries Distress Scale

Part V.

Patient Characteristics

The following baseline patient characteristics are mandatory documented data entered into the FOTO system during the initial evaluation independent of care type: Care Type, Condition or Body Part, Intake FS Score, Gender, Age (when 89 or younger), Acuity, Surgical History, Exercise History, Medication Use for Condition, Number of Comorbidities, Specific Comorbidities, Payer Type, Previous Treatment for Condition, and Post-Surgical Type. All of these baseline patient characteristics are included in your requested dataset.

In addition to the above baseline patient characteristics, please select the following FOTO variable(s) which are relevant to your research project:

☐ 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)
☐ Language
    ☐ English
    ☐ Spanish

Part VI.

FOTO's Risk-adjusted Prediction Data

FOTO uses sophisticated mathematical model techniques to risk-adjust and control for the patients' baseline characteristics, listed above, which are known to influence outcomes. FOTO generates risk-adjusted models using linear ordinary least-square regressions to predict FS change and 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 FS change and 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. More information on FOTO's P4P or value-based programs are available (https://www.fotoinc.com/press-releases/author/foto-team/page/1).

FOTO's risk-adjusted prediction data are only available for the primary FOTO's FS PROMs. Please select the following risk-adjusted prediction data that are relevant to your research project:

☐ FOTO Predicted FS Change
☐ FOTO Predicted Visits
☐ FOTO Utilization Performance Categories (#1-9)

Part VII.
Optional FOTO variables

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

Other Variables:

☐ BMI (body mass index)
☐ Clinical Practice Guideline-based Classification
☐ Clinician credentials
☐ Number of U.S. states
☐ Number of Physical Therapy Visits
☐ Number of Occupational Therapy Visits
☐ Patient Satisfaction score
☐ Patient Satisfaction responses
☐ Practice Setting
☐ Proxy and Recorder Category
☐ Referral Source Type
☐ Treatment Interruption Days

☐ Additional instructions regarding your FOTO data request if needed: