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| **Parkinsonism Symptoms** |
| **Protocol Id:** | 130101 |
| **Description of Protocol** | The Motor Exam portion of the United Parkinson's Disease Rating Scale is a 27 item examiner-administered test that measures the severity of symptoms in resting tremor, resistance to movement and abnormal gait and posture. |
| **Specific Instructions** | None |
| **Protocol:** | **Summary of the Movement Disorders Society United Parkinson's Disease Rating Scale (MDS-UPDRS)** The Movement Disorder Society United Parkinson's Disease Rating Scale (MDS-UPDRS) is an examiner-administered test that includes four subscales: non-motor experiences of daily living (13 items), motor experiences of daily living (13 items), motor examination (33 scores based on 18 items, several with right, left or other body distribution scores),and motor complications (6 items). Each item is scored on a five point scale: 0 = normal; 1 = slight; 2 = mild; 3 = moderate; and 4 = severe. All items are summed together to give a total score, with higher scores indicating greater disability. The Movement Disorder Society United Parkinson's Disease Rating Scale (MDS-UPDRS) is a proprietary instrument and administration (with the exception of personal use) requires a license from the [International Parkinson Movement Disorder Society](http://www.movementdisorders.org/MDS/Education/Rating-Scales.htm).Goetz, C. G., Tilley, B .C., Shaftman, S. R., Stebbins, G. T., Fahn, S., Martinez-Martin, P., Poewe, W., Sampaio, C., Stern, M. B., Dodel, R., Dubois, B., Holloway, R., Jankovic, J., Kulisevsky, J., Lang, A. E., Lees, A., Leurgans, S., LeWitt, P. A., Nyenhuis, D., Olanow, C. W., Rascol, O., Schrag, A., Teresi, J. A., van Hilten, J. J., & LaPelle, N.; Movement Disorder Society UPDRS Revision Task Force. (2008). Movement Disorder Society-sponsored revision of the Unified Parkinson's Disease Rating Scale (MDS-UPDRS): Scale presentation and clinimetric testing results. *Movement Disorders, 23*(15), 2129–2170.The Movement Disorder Society United Parkinson's Disease Rating Scale (MDS-UPDRS) is a proprietary instrument and administration (with the exception of personal use) requires a license from the [International Parkinson Movement Disorder Society](http://www.movementdisorders.org/MDS/Education/Rating-Scales.htm).Protocol source: https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=130101 |
| **Selection Rationale** | The United Parkinson's Disease Rating Scale was selected because it is the standard, validated protocol that is the most-widely used method to follow the progression of Parkinson's Disease over time. |
| **Source** | Fahn S, Elton RL, UPDRS program members. Unified Parkinsons Disease Rating Scale. In: Fahn S, Marsden CD, Goldstein M, Calne DB, editors. Recent developments in Parkinson's disease, vol 2. Florham Park; NJ: Macmillan Healthcare Information: 1987. p 153-163. |
| **Language** | English |
| **Participant** | Adult, aged 18 or older |
| **Personnel and Training Required** | The interviewer must be trained to and found competent to conduct motor examinations, as well as be competent to recognize the impact of co-morbidities (such as stroke, arthritis, etc.) on motor movements. Additionally the interviewer must be trained and found competent in the recognition of motor movements and ratings listed in this protocol, such as the signs and degree of tremor and rigidity and the presence of bradykinesia/hypokinesia |
| **Equipment Needs** | None |
| **Standards:** |

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| **Standard** | **Name** | **ID** | **Source** |
| Common Data Element (CDE) | Person Parkinson's Disease Assessment Score | 3076084 | [CDE Browser](https://cdebrowser.nci.nih.gov/CDEBrowser/search?elementDetails=9&FirstTimer=0&PageId=ElementDetailsGroup&publicId=3076084&version=1.0) |
| Logical Observation Identifiers Names and Codes (LOINC) | Parkinsonian proto | 62757-0 | [LOINC](http://s.details.loinc.org/LOINC/62757-0.html?sections=Web) |

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| **General references** | Aminoff MJ, Greenberg DA, & Simon RP (2005). *Clinical Neurology* (6th ed.). Lange: McGraw-Hill Medical. pp. 241–5. |
| **Protocol Type** | Physical Examination |
| **Derived Variables** | None |
| **Requirements** |

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| **Requirement Category** | **Required** |
| Major equipmentThis measure requires a specialized measurement device that may not be readily available in every setting where genome wide association studies are being conducted. Examples of specialized equipment are DEXA, Echocardiography, and Spirometry | No |
| Specialized trainingThis measure requires staff training in the protocol methodology and/or in the conduct of the data analysis. | No |
| Specialized requirements for biospecimen collectionThis protocol requires that blood, urine, etc. be collected from the study participants. | No |
| Average time of greater than 15 minutes in an unaffected individualAverage time of greater than 15 minutes in an unaffected individual | No |

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| **Process and Review:** | The Expert Review Panel has not reviewed this measure yet. |