**Appendix 3: Feasibility Criteria**

|  |  |  |  |
| --- | --- | --- | --- |
| **Feasibility Criterion** | **Definition** | | **Considerations** |
| **Data completeness** | **Data availability:** Level to which data is captured in a structured format (e.g. picklist, radio buttons, check boxes, date/time fields, data encoded in a controlled vocabulary). | | \* Availability of structured fields (e.g. picklists, radio buttons, checkboxes) for data capture in the EHR or departmental systems. \* Workflow fit, i.e. level of use of structured data fields to capture the data. |
| **Data extractability:** level to which structured data is accessible and retrievable from systems where it is captured | | \* Ability to query the system where the data is captured, whether through transfer of the data to another system (e.g. EHR) or directly from the source system. |
| **Data correctness** | **Data accuracy:** level to which structured data represents the "truth" about a patient. | | \* Concordance of structured data with other data sources in the medical record. \* Currency of data. |
| **Data reliability:** level to which structured data is captured with a consistent conceptual definition. | | \* Clarity of data definition. |
| **Data normalization** | Level to which structured data is captured or can be mapped to standard vocabularies | | \* Standard vocabularies include: SNOMED-CT, LOINC, RxNorm, ICD-9-CM, ICD-10-CM/PCS \* Granularity of data. |
|  |  | |  | |  |
| **Overall Feasibility** |  | **Definition** | |
| **Easy** |  | Scores "very likely" or “likely” in all feasibility criteria | |
| **Somewhat difficult** |  | Scores "somewhat likely" or “unlikely” in at least one feasibility criterion | |
| **Very difficult** |  | Scores "very unlikely" in at least one feasibility criterion | |