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| **Question** | **Response** |
| **Patient Characteristics** | |
| Who are the patients using the facility? Provide description of facility and catchment area with respect to the below considerations. Obtain copies of readily available facility-level summaries where possible. |  |
| Epidemiological characteristics of catchment area |  |
| Age distribution of patients |  |
| Rural vs. urban distribution of patients |  |
| Geographic distribution of patients (district-wide or subset) |  |
| Percent of patients coming from outside the district |  |
| Facility specialty (if applicable) |  |
| Top causes of morbidity for patients presenting at the facility |  |
| Referral patterns |  |
| Annual numbers of visits or admissions |  |
| **Laboratory characteristics (*take photos of laboratory set up and equipment if possible)*** | |
| Which laboratories in the facility receive specimens from children < 15 years? Describe the laboratories in terms of tests performed (e.g., hematology, biochemistry, molecular, microbiology) and which ward(s) they serve. |  |
| Estimate the number of residual specimens available each month in the target age group(s) of interest in potential laboratories (option: review data for representative months for the prior year, where selected months reflect differences in healthcare utilization due to seasonality of diseases, ability to travel, competing priorities, etc.). |  |
| Are there any tests performed in the lab that require a smaller volume (<0.5mL) of blood (i.e., specimens less likely to have residual volume remaining)? |  |
| Describe the flow of specimens and data from the point of collection to the laboratory. |  |
| How long are specimens typically stored at the laboratory after testing before being discarded (range of days)? Would residual specimens be available immediately after testing or is there a period when they are stored in case of repeat testing? |  |
| How are the specimens stored during this period (bench-top, 2-8 C, etc.)? |  |
| Does the laboratory have a centrifuge and space the project staff can use to centrifuge and aliquot the residual specimens? |  |
| Does the laboratory have other equipment available? | 🞎 2-8 C refrigerator (for short-term storage of whole blood)  🞎 -20 C freezer (for longer term storage of sera specimens) |
| **Data availability for residual specimens** | |
| Are the following data available for each specimen? *(check all sources of data that apply; provide additional details in space)*  *Obtain copy of lab request form and describe column headers or fields in the registers.*  *\*Note – variables of interest will vary depending on research question* |  |
| Age or date of birth | 🞎 On tube 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Date of collection | 🞎 On tube 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Gender | 🞎 On tube 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Source of specimen (OPD vs. inpatient ward; hematology vs. biochemistry lab) | 🞎 On tube 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Reason for blood collection (provisional diagnosis, tests ordered) | 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Place of residence (e.g., town or village; to determine if individual lives in or out of district) | 🞎 In lab register (electronic/paper) 🞎 In hospital register only |
| Vaccination history | 🞎 In lab register (electronic/paper) 🞎 In hospital register only 🞎 Other (specify): |
| Format of lab register *(check all that apply)* | 🞎 Paper 🞎 Electronic |
| Format of hospital register *(check all that apply)* | 🞎 Paper 🞎 Electronic |
| Are there data points from the above list that seem to be missing for many patients? If a data point was missing, is there another source or way of obtaining that data? |  |
| Is there someone at the laboratory responsible for checking all lab forms to ensure completeness and quality? Describe any data quality control processes. |  |
| Would project staff be able to access information available in a hospital register (e.g., place and residence)? Is this data linked to the specimens (by name, by hospital ID, etc.)? *(if applicable)* |  |
| What is the easiest way for project staff to access the data (e.g., via printouts from the laboratory staff, accessing the computer database, transcribing from specimen tube or paper register)? *(aiming for limited effort on both the part of the laboratory staff and staff involved in residual specimen collection)* |  |