This Data Sheet describes the data to be extracted from hospitals as part of the Using Labs Wisely program.

Data Definition

Weekly^ counts of all acute inpatient lab tests* performed in hospital from January 1, 2018 to most currently available

^Week is defined as Monday to Sunday (Jan 1, 2018 is a Monday)

*Lab tests of interest

 Prothrombin Time/International Normalized Ratio

 Partial Thromboplastin Time

 Aspartate Aminotransferase

 Alanine Aminotransferase

 Folate

 Blood urea nitrogen

 Creatinine

 Creatine Kinase MB

 Troponin

Please refer to the following pages for more details on the data formats:

[Data and File Format](#)

[Table Format](#)

[Example](#)

Sending Data Files

Please send files to GEMINI.CWC@unityhealth.to with the subject header:

"Data for Using Labs Wisely from [InstitutionID]"

Data Format
1. Data should be provided in CSV format and should not include any PHI
2. The first row of each file should list the variable header name
3. The column names must follow the naming format found under the Variable Name column in the Table Format page (page 3)
4. Data should be provided for each hospital separately, if it is a part of an organization/institution

Filename Format
1. The filename should have the following naming convention:
   [InstitutionID]_Lab_WeeklyCounts_[START DATE]-[END DATE]_[EXTRACTION DATE].csv
   START DATE is assumed to begin on the first day of the week in YYYYMMDD format
   END DATE is assumed to end on the last day of the week in YYYYMMDD format
   EXTRACTION DATE is the date of data extraction in YYYYMMDD format

   Example:
   80497_Lab_WeeklyCounts_20180101-20210927_20211006.csv

Table Format

Inclusion criteria:

All inpatient lab tests performed in institution

Exclusion criteria:

Lab tests that were cancelled or incomplete
All outpatient lab tests done in hospital

Variable Name	Variable Type	Format	Definition/Comments
Institution_ID	Numeric	5 digits	Institution number used in CIHI DAD submission *(Note: If you do not know what your Institution ID is, please check with your hospital Decision Support department)*
Institution_Site_Name	Character	-	Official name of site used in CIHI DAD submission
Institution_Corporate_Name	Character	-	Official name of corporation to which institution belongs and used in CIHI DAD submission
Province	Character	-	Province of the institution (two-letter abbreviation; e.g., ON, QC)
Week_Start_Date	Date	YYYY-MM-DD	First day of the week (Monday to Sunday) representing the entire week that the lab tests were performed *(Note: If weekly data is not possible, please provide monthly data and rename variable to Month_Start_Date with the YYYY-MM format)*
Total_Bed_Days	Integer	-	Total number of occupied bed days of admitted patients during the week
PT_INR	Integer	-	Number of Prothrombin time/International Normalized Ratio tests performed during the week *(Note: If PT/INR counts are unavailable as a single value, please provide PT test counts)*
PTT	Integer	-	Number of Partial Thromboplastin Time tests performed during the week *(Note: Please clarify which of aPTT, PTT or both are provided)*
AST	Integer	-	Number of Aspartate Aminotransferase tests performed during the week
ALT	Integer	-	Number of Alanine Aminotransferase tests performed during the week
Folate	Integer	-	Number of Folate tests performed during the week *(Note: Please clarify whether RBC, serum folate or both are provided. If only one is reported, please only report that one and specify.)*
BUN_urea	Integer	-	Number of Blood Urea Nitrogen tests performed during the week
Cr	Integer	-	Number of Creatinine tests performed during the week
CK_MB	Integer	-	Number of Creatine Kinase MB tests performed during the week *(Note: Do not include CK tests)*
Troponin	Integer	-	Number of Troponin tests performed during the week *(Note: Please include all assays such as high-sensitivity troponin)*

Note:
When a specific test is unavailable (e.g. not performed at site), indicate as N/A instead of 0
When a specific test is available but no tests were conducted, please indicate as 0

Examples

2 examples below:

Example 1 is in wide format (preferred format) and Example 2 is in long format.

Example 1. Wide Format (Preferred)

Week_Start_Date	Institution_ID	Institution_Site_Name	Institution_Corporate_Name	Province	Total_Bed_Days	PT_INR	PTT	AST	ALT	Folate	BUN_urea	Cr	CK_MB	Troponin
2018-01-01														
2018-01-08														
…														

Example 2. Long Format

Week_Start_Date	Value	Count
2018-01-01	Institution_ID	
2018-01-01	Institution_Site_Name	
2018-01-01	Institution_Corporate_Name	
2018-01-01	Province	
2018-01-01	Total_Bed_Days	
2018-01-01	PT_INR	
2018-01-01	PTT	
2018-01-01	AST	
2018-01-01	ALT	
2018-01-01	Folate	
2018-01-01	BUN_urea	
2018-01-01	Cr	
2018-01-01	CK_MB	
2018-01-01	Troponin	
2018-01-08	Institution_ID	
2018-01-08	Institution_Site_Name	
2018-01-08	Institution_Corporate_Name	
2018-01-08	Province	
2018-01-08	Total_Discharges	
2018-01-08	PT_INR	
2018-01-08	PTT	
2018-01-08	AST	
2018-01-08	ALT	
2018-01-08	Folate	
2018-01-08	BUN_urea	
2018-01-08	Cr	
2018-01-08	CK_MB	
2018-01-08	Troponin	
…		

Note:

A separate file can be sent to include Institution ID, Institution Site Name, Institution Corporate Name and Province to avoid redundancy of data in long format table

Version History

Version	Date	Modification
v1.0	March 25, 2022	First version of data sheet
v1.1	August 29, 2022	Updated data definition to only include acute inpatients. Clarified Institution ID and Folate definition.