File Name	orgId_observations_yyyymmdd_v_[spec_version].txt			
Column Position	**Variable**	**Definition**	**Type**	**Notes**
1	organization_id	Submitting Member Organization ID, assigned from Coordinating Center	string	
2	patient_id	Patient identifier that the observation applies to from the patient's file.	string	Foriegn key of Patient.patient_id.
3	encounter_id	Encounter identifier for when the observation was recorded from the encounters file	string	Foriegn key of Encounter.encounter_id
4	observation_id	Unique observation ID for each unique patient observation. The observation ID must remain consistent across all files which contain that observation and across all data submissions.	string max(32)	Value should be max 32 characters. Valid characters are among [a-z,0-9,-_#:]
5	category	Classification of type of observation	coded	Allowed Values Among: **social-history:** The Social History Observations define the patient's occupational, personal (e.g. lifestyle), social, and environmental history and health risk factors, as well as administrative data such as marital status, religious affiliation. Race and ethnicity can be reported as observations however they should be properly reported in the patient file. **vital-signs:** "Clinical observations measure the body's basic functions such as such as blood pressure, heart rate, respiratory rate, height, weight, body mass index, head circumference, pulse oximetry, temperature, and body surface area. **laboratory:** The results of observations generated by laboratories. Laboratory results are typically generated by laboratories providing analytic services in areas such as chemistry, hematology, serology, histology, cytology, anatomic pathology, microbiology, and/or virology. These observations are based on analysis of specimens obtained from the patient and submitted to the laboratory. **survey:** Assessment tool/survey instrument observations such as Depression screening PHQ, Anxiety screening GAD, Suicide screening ASQ, Social Determinants of Health SDOH
6	effective_date	Clinically relevant date	date	YYYYMMDD For laboratory use draw date For vital-signs use date of vitals taken For survey use date of survey taken For social-history use date recorded
7	effective_time	Clinically relevant time	time	HHMM
8	code	Type of observation being reported as a valid LOINC code.	q	**vital-signs:** **Waist Circumference at Umbilicus by tape measure**. LOINC code 8280-0. Notes: cm value preferred, else provide inches. **Body weight.** LOINC code 29463-7. Notes: cm value preferred, else provide inches. **Body height.** LOINC code 8302-2. Notes: cm value preferred, else provide inches. **Body Temperature.** LOINC code 8310-5. Notes: C value preferred, else provide F. **Heart rate.** LOINC code 8867-4. **BMI.** LOINC code 39156-5. **Oxygen saturation in Arterial blood by Pulse oximetry.** LOINC code 59408-5. **Respiratory rate.** LOINC code 9279-1. **Systolic blood pressure.** LOINC code 8480-6. **Diastolic blood pressure.** LOINC code 8462-4. **Mean blood pressure.** LOINC code 8478-0. **social-history:** **Current tobacco use. (last 7 days) – (No – 0, Yes 1)** LOINC code 54845-3. **History of tobacco use.** LOINC code 11367-0. **Lifetime tobacco use.** LOINC code 74011-8. **Family history of Diabetes - (No – 0, Yes 1)** LOINC code 97063-2. **survey:** **PHQ-2 Depression screening score.** LOINC code 55758-7. **PHQ-4 Depression screening score.** LOINC code 70272-0. **PHQ-8 Depression screening score.** LOINC code 94328-2. **PHQ-9 Depression screening score.** LOINC code 44261-6. **ASQ Suicide Screening Final score.** INTERNAL code "asqs". Notes: Set code_type to "t1d". **GAD-7 Generalized anxiety disorder score.** LOINC code 70274-6. **PROMIS Pediatric Depression Symptoms T-score.** Loinc code 91535-5. Notes: The PROMIS manual explicitly states that raw scores must be converted to T scores for interpretation. **Food insecurity risk [HVS]** LOINC code 88124-3. Notes: Allowed Values: "at_risk", "no_risk" An answer of "often true" or "sometimes true" to either or both of the Hunger Vital Signs questions identifies a patient as at risk for food insecurity. **Hunger Vital Signs Q1-** (I/We) worried whether (my/our) food would run out before (I/we) got money to buy more. LOINC code 88122-7. Notes: Allowed Values: "often_true", "sometimes_true", "never_true", "don't_know/refused". **Hunger Vital Signs Q2-** The food that (I/we) bought just didn't last, and (I/we) didn't have money to get more.LOINC code 88123-5. Notes: Allowed Values: "often_true", "sometimes_true", "never_true", "don't_know/refused". **Has lack of transportation kept you from medical appointments, meetings, work, or from getting things needed for daily living.** LOINC code 93030-5. Notes: Allowed Values: "yes", "no", "I_choose_not_to_answer_this_question" **Are you worried about losing your housing?** LOINC code 93033-9. Notes: Allowed Values: "yes", "no", "I_choose_not_to_answer_this_question". **T1-DDAS CORE Diabetes Distress Screener.** INTERNAL code "t1ddas8". Notes: Set code_type to T1D. Type 1 Diabetes Distress Assessment System (T1-DDAS) CORE SCALE. This version has 8 questions. All questions are an integer 1 to 5. Provide all answers as an array of integers that is comma separated. No spaces. Entries must be in order starting from the first question as the first entry in the array. Questions that were not answered would appear as ",". Therefore, there should always be 7 commas in the value column. **Reference** https://diabetesdistress.org/downloads/T1DDAS.CORE.6.21.2023.pdf **T1-DDAS SOURCE Diabetes Distress Screener.** INTERNAL code "t1ddas22". Notes: Set code_type to T1D. Type 1 Diabetes Distress Assessment System (T1-DDAS) SOURCE. This version has 22 questions. All questions are an integer from 1 to 5. Provide all answers as an array of integers that is comma separated. No spaces. Entries must be in order starting from the first question as the first entry in the array. Questions that were not answered would appear as ",". Therefore, there should always be 21 commas in the value column. Reference https://behavioraldiabetes.org/wp-content/uploads/2024/12/T1DDAS.SOURCE.7.31.2023.pdf **T1-DDAS COMBINED Diabetes Distress Screener.** INTERNAL code "t1ddas30". Notes: Set code_type to T1D. Type 1 Diabetes Distress Assessment System (T1-DDAS) SOURCE and CORE SCALE. This version has 30 questions. All questions are an integer from 1 to 5. Provide all answers as an array of integers that is comma separated. No spaces. Entries must be in order starting from the first question as the first entry in the array. Questions that were not answered would appear as ",". Therefore, there should always be 29 commas in the value column. Reference https://diabetesdistress.org/downloads/T1DDAS.COMBINED.6.21.2023.pdf **PAID-T IDENTIFYING YOUR PROBLEM AREAS IN DIABETES - TEEN VERSION.** INTERNAL code "paidt14". Notes: Set code_type to T1D. This survey has 14 questions. All questions are an integer from 1 to 6. Provide all answers as an array of integers that is comma separated. No spaces. Entries must be in order starting from the first question as the first entry in the array. Questions that were not answered would appear as ",". Therefore, there should always be 13 commas in the value column. Reference https://t1dx-qi.t1dexchange.org/wp-content/uploads/2024/06/PAID-T-FINAL-short.pdf **laboratory:** **Hemoglobin A1c/Hemoglobin.total in Blood** LOINC code 4548-4, LOINC code 17856-6, LOINC code 4549-2. **Point of care A1C.** INTERNAL code "poca1c". Notes: Set code_type to "t1d" **Islet cell 512 Ab [Units/ volume] in Serum.** LOINC code 31209-0. **Islet cell 512 Ab [Units/ volume] in Serum by Immunoassay.** LOINC code 56718-0. **Islet cell 512 Ab [Titer] in Serum.** LOINC code 32636-3. **Insulin Ab [Units/volume] in Serum.** LOINC code 8072-1 **Zinc transporter 8 Ab [Units/volume] in Serum or Plasma by Immunoassay.** LOINC code 76651-9. **Glutamate decarboxylase 65 Ab [Units/ volume] in Serum.** LOINC code 13926-1. **Glutamate decarboxylase 65 Ab [Units/ volume] in Serum by Immunoassay.** LOINC code 56540-8. **Cholesterol [Mass/ volume] in Serum or Plasma.** LOINC code 2093-3. **Cholesterol in HDL [Mass/ volume] in Serum or Plasma.** LOINC code 2085-9. **Cholesterol in LDL [Mass/volume] in Serum or Plasma.** LOINC code 2089-1. **Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation.** LOINC code 13457-5. **Triglyceride [Mass/ volume] in Serum or Plasma.** LOINC code 2571-8. **Thyroxine (T4) free [Mass/ volume] in Serum or Plasma.** LOINC code 3024-7. **Thyroxine (T4) [Mass/ volume] in Serum or Plasma.** LOINC code 3026-2. **Microalbumin [Mass/ volume] in Urine.** LOINC code 14957-5. **Albumin [Mass/volume] in Urine by Electrophoresis.** LOINC code 6942-7. **Creatinine [Mass/volume] in Urine.** LOINC code 2161-8. **Creatinine [Mass/volume] in Serum or Plasma.** LOINC code 2160-0. **Anion gap 3 in Serum or Plasma.** LOINC code 10466-1. **Anion gap 4 in Serum or Plasma.** LOINC code 1863-0. **Anion gap in Serum or Plasma.** LOINC code 33037-3. **C peptide [Mass/volume] in Serum or Plasma.** LOINC code 1986-9.
9	code_type	Disease specific coding system	string	
10	status	Status of observation	string	Allowed Values Among: **completed**: code was completed
11	value	value of code	string	
12	value_units	UCUM code for units used in Value measurement (LOINC Units)	string	
13	low_test_value	The lower threshold at which the test would be considered "abnormal"	string	
14	high_test_value	The higher threshold at which the test would be considered "abnormal"	string	