

Notes for June 2026 Release

1. Variable Changes

Data Collection Updates

There are two important updates to data collection procedures:

- **Sonora Quest Blood Chemistries — Non-Fasting State:** Blood chemistry values in the Sonora Quest Blood Chemistries table collected after October 1, 2025 reflect a non-fasting state. Data collected prior to this date were obtained under fasting conditions.
- **Medication Data — Health Medical Survey Only:** As of July 30, 2025, medication information is collected exclusively through the [Health Medical Survey](#). Researchers querying medication variables should use the [Health Medical Survey](#) table instead of the Health Intake table.

Query Updates (SQL)

The version 2 release of the pandb database introduces a visit variable to multiple data tables reflecting follow-up visits. The visit column identifies which study visit a given data row corresponds to: a value of 1 represents the baseline assessment, and a value of 2 represents the 2-year follow-up visit. Additional visit values will appear in future releases as subsequent follow-up visits are completed.

The full list of SQL variable updates is in the [Database Changes](#) section at the end of this document.

2. Participants Withdrawn from the Study

The following participant HML IDs have been removed from the study:

HML ID
HML0899
HML1095

3. Updates from REDCap Notes

The following data corrections were identified from REDCap comments and field notes:

Record ID	HML ID	Visit	Table	Field	Comment	New Data
94	HML0051	1	Covid Survey	c19_v1020	Should be "No"	0
555	HML0565	1	Covid Survey	c19_v1037	01.20.2021	1/20/21
235	HML0246	1	HML Demographics	edu_yrs_hml	>16	16
480	HML0490	1	Family History Survey	fhad_v1012	Participant indicated that she had never done this test. Thus the answer is no and "yes" was chosen in error.	0
341	HML0350	1	Family History Survey	fhad_v102	Participant mis-answered. When asked at their visit they answered "No" to this question.	0
295	HML0307	1	Health Medical Survey	hm_v1021	The answer is NO.	0
1044	HML1059	1	Health Medical Survey	hm_v1055_6	Subject started treatment of Ciprofloxacin 500mg 2x/day for 1 week on 08/27/2025.	Ciprofloxacin
298	HML0308	1	Health Medical Survey	hm_v1056_3	Should be 1,000 IU.	1000 IU
697	HML0709	1	Health Medical Survey	hm_v1059_2	Tums calcium carbonate — 400 mg 1/day; 20 years taking this medication; for bone health.	for bone health
286	HML0295	1	p2_redcap_mri_screening	mri_dos_eligibility	Participant declined participation in MRI scan.	0
658	HML0670	1	p2_redcap_mri_screening	mri_dos_eligibility	NO MRI due to claustrophobia.	0
774	HML0788	1	p2_redcap_mri_screening	mri_dos_eligibility	No longer eligible for MRI due to CardioMEMS device.	0
847	HML0862	1	p2_redcap_mri_screening	mri_dos_eligibility	Despite previous MRI and no history of claustrophobia, the participant was unable to tolerate MRI despite multiple trials, due to claustrophobic symptoms and thus was deemed ineligible for visit 2. (MTJ)	0
881	HML0895	1	Socioeconomic Survey	ses_v103	Doctorate.	9
363	HML0374	1	Sleep Survey Raw Data	sleep_v103	No.	0
487	HML0497	1	Social Stressor Raw Data	socstress_v107	Participant meant to choose no.	0

4. Data Corrections

Table: APOE4 (corrected 2025-11-14)

HML ID	rs429358_old	rs7412_old	rs429358_new	rs7412_new	apoe_status_old	apoe_status_new
HML0002	CT	CC	TT	CT	e3e4	e2e3
HML0003	TT	CC	CC	CC	e3e3	e4e4
HML0006	TT	CT	CT	CC	e2e3	e3e4
HML0007	CT	CC	TT	CC	e3e4	e3e3
HML0008	TT	CC	TT	CT	e3e3	e2e3
HML0009	TT	CT	CT	CC	e2e3	e3e4
HML0011	CT	CC	TT	CC	e3e4	e3e3
HML0012	TT	CC	CC	CC	e3e3	e4e4
HML0015	TT	CC	CT	CC	e3e3	e3e4
HML0016	CT	CC	TT	CC	e3e4	e3e3
HML0017	TT	CT	TT	CC	e2e3	e3e3
HML0018	TT	CC	CT	CT	e3e3	e2e4
HML0020	CC	CC	TT	CT	e4e4	e2e3
HML0023	CT	CT	TT	CC	e2e4	e3e3
HML0025	TT	CC	CT	CC	e3e3	e3e4
HML0032	CT	CC	TT	CC	e3e4	e3e3
HML0033	CT	CC	TT	CT	e3e4	e2e3
HML0034	CT	CC	TT	CC	e3e4	e3e3
HML0037	TT	CT	TT	CC	e2e3	e3e3
HML0039	CT	CT	CT	CC	e2e4	e3e4
HML0040	TT	CT	TT	CC	e2e3	e3e3
HML0042	CC	CC	TT	CT	e4e4	e2e3
HML0043	TT	CC	CT	CC	e3e3	e3e4
HML0044	TT	CC	CT	CT	e3e3	e2e4
HML0082	TT	CC	TT	CT	e3e3	e2e3
HML0084	TT	CT	TT	CC	e2e3	e3e3
HML0086	TT	CT	CT	CC	e2e3	e3e4
HML0088	TT	CC	CT	CC	e3e3	e3e4
HML0089	CT	CC	TT	CT	e3e4	e2e3
HML0090	TT	CC	CT	CC	e3e3	e3e4
HML0092	TT	CT	TT	CC	e2e3	e3e3
HML0093	TT	CC	TT	CT	e3e3	e2e3
HML0095	CT	CC	TT	CC	e3e4	e3e3
HML0099	CT	CC	TT	CT	e3e4	e2e3

HML0102	TT	CC	CT	CC	e3e3	e3e4
HML0104	TT	CC	CT	CC	e3e3	e3e4
HML0110	TT	CC	CT	CC	e3e3	e3e4
HML0111	TT	CC	CT	CT	e3e3	e2e4
HML0114	TT	CT	TT	CC	e2e3	e3e3
HML0115	CT	CC	CC	CC	e3e4	e4e4
HML0116	TT	CC	CT	CC	e3e3	e3e4
HML0125	TT	CC	CC	CC	e3e3	e4e4
HML0126	CT	CC	TT	CT	e3e4	e2e3
HML0134	TT	CC	CT	CC	e3e3	e3e4
HML0138	TT	CC	CT	CC	e3e3	e3e4
HML0139	CT	CC	TT	CC	e3e4	e3e3
HML0141	TT	CC	CC	CC	e3e3	e4e4
HML0142	TT	CC	CT	CC	e3e3	e3e4
HML0189	TT	CC	CC	CC	e3e3	e4e4
HML0191	TT	CC	CT	CC	e3e3	e3e4

Table: Social Stressor Raw Data (corrected 2026-02-13)

note new_value is missing for all rows

hml_id	variable	old_value	new_value
HML0004	socstress_v1012	1	
HML0015	socstress_v103	1	
HML0094	socstress_v103	1	
HML0103	socstress_v101, socstress_v102, socstress_v103, socstress_v104, socstress_v105, socstress_v106, socstress_v107, socstress_v108, socstress_v109, socstress_v1010, socstress_v1011, socstress_v1012	1	
HML0090	socstress_v109	1	
HML0179	socstress_v106	1	
HML0252	socstress_v1011	1	
HML0331	socstress_v109	1	
HML0365	socstress_v101, socstress_v102, socstress_v103, socstress_v104, socstress_v105, socstress_v106, socstress_v107, socstress_v108, socstress_v109, socstress_v1010, socstress_v1011, socstress_v1012	1	
HML0370	socstress_v101, socstress_v102, socstress_v103, socstress_v104, socstress_v105, socstress_v106, socstress_v107, socstress_v108, socstress_v109, socstress_v1010, socstress_v1011, socstress_v1012	1	
HML0388	socstress_v101, socstress_v102, socstress_v104, socstress_v105, socstress_v106, socstress_v107, socstress_v108, socstress_v109, socstress_v1010, socstress_v1011, socstress_v1012	1	
HML0449	socstress_v101, socstress_v102, socstress_v105, socstress_v107	1	
HML0479	socstress_v106, socstress_v109	1	
HML0484	socstress_v101, socstress_v102, socstress_v103, socstress_v104, socstress_v105, socstress_v106, socstress_v107, socstress_v108, socstress_v109, socstress_v1010, socstress_v1011, socstress_v1012	1	
HML0497	socstress_v107	1	
HML0538	socstress_v101, socstress_v102, socstress_v103, socstress_v105, socstress_v106, socstress_v108, socstress_v1010, socstress_v1011, socstress_v1012	1	

Database Changes

Version 1 to Version 2

33 tables changed, 18 tables unchanged, 2 tables removed.

Changed Tables

AD Plasma Biomarkers	ADL Survey	Anxiety Survey Raw Data
APOE4	AVLT	Biometrics
Brain Disease Survey	Carotid Ultrasound	Covid Survey
Diet Survey	Epigenetic Clocks	Family History Survey
Health Intake	Health Medical Survey	HML Demographics
HML Eligibility	HML Scored Surveys	Millipore Cytokine Assay
MindCrowd Demographics	MoCA	NAART
NULISeq	Perceived Stress Raw Data	PHQ9
Polygenic Risk Scores	QPAR Survey Raw Data	Sleep Survey Raw Data
Social Stressor Raw Data	Social Support Raw Data	Socioeconomic Survey
Sonora Quest Blood Chemistries	Subjective English Survey	SWLS Survey Raw Data

Unchanged Tables

Cortisol	Full_MindCrowd_Data	GeMAPS
LIWC-22	LabFront_Garmin	MRI_Anatomic_Measures
MRI_Diffusion_Imaging	MRI_Perfusion_ASL	MindCrowd_Flanker_Scores
MindCrowd_Keep_Track_Scores	MindCrowd_Letter_Number_Scores	MindCrowd_Simple_and_Choice_Scores
MindCrowd_Verbal_Paired_Associates_Scores	Resting_State_fmRI	Resting_State_fmRI_corticereb
Resting_State_fmRI_wholebrain	UEF_Frailty	White_Matter_Hyperintensities

Removed Tables

HML_Consent	HML_Participant_Status
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Variable change legend

■ Added	■ Removed	■ Renamed
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AD_Plasma_Biomarkers

1 variable added

- **visit** — Added

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ADL_Survey

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Anxiety_Survey_Raw_Data

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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APOE4

1 variable added

- **visit** — Added

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AVLT

1 variable added · 1 variable removed · 1 variable renamed

- **avlt_comments** — Removed
- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Biometrics

1 variable added · 1 variable removed · 1 variable renamed

- **biometrics_notes** — Removed
- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Brain_Disease_Survey

1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id

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Carotid_Ultrasound

1 variable removed

- **notes** — Removed

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Covid_Survey

1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id

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Diet_Survey

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Epigenetic_Clocks

1 variable added

- **visit** — Added

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Family_History_Survey

1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id

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Health_Intake

Additional text boxes were added to accommodate expanded data collection · 1 variable renamed

- **hif_hospital_days_7 through hif_hospital_days_30** — Added
- **hif_hospital_wks_7 through hif_hospital_wks_30** — Added
- **hif_surgery_7 through hif_surgery_30** — Added
- **hif_surgery_in_out_7 through hif_surgery_in_out_30** — Added
- **hif_surgery_mth_7 through hif_surgery_mth_30** — Added
- **hif_surgery_reason_7 through hif_surgery_reason_30** — Added
- **hif_surgery_type_7 through hif_surgery_type_30** — Added
- **hif_surgery_yr_7 through hif_surgery_yr_30** — Added
- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Health_Medical_Survey

Additional text boxes were added to accommodate expanded data collection · 1 variable renamed

- **hm_v1055_5 through hm_v1055_30** — Added
- **hm_v1056_5 through hm_v1056_30** — Added
- **hm_v1057_5 through hm_v1057_30** — Added
- **hm_v1058_5 through hm_v1058_30** — Added
- **hm_v1059_5 through hm_v1059_30** — Added
- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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HML_Demographics

13 variables added · 1 variable renamed

- **discontinued_date** — Added
- **discontinued_reason_0** — Added
- **discontinued_reason_1** — Added
- **discontinued_reason_2** — Added

- discontinued_reason_3 — Added
- discontinued_reason_4 — Added
- discontinued_reason_5 — Added
- discontinued_reason_555 — Added
- discontinued_reason_6 — Added
- is_not_returning — Added
- participant_id_parent — Renamed to mindcrowd_id
- race_ethnicity — Added
- reason_oth — Added
- visit — Added

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HML_Eligibility

3 variables removed · 1 variable renamed

- hif_behav_notes — Removed
- hif_bld_notes — Removed
- hif_screener_notes — Removed
- participant_id_parent — Renamed to mindcrowd_id

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HML_Scored_Surveys

1 variable added

- visit — Added

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Millipore_Cytokine_Assay

1 variable added

- visit — Added

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MindCrowd_Demographics

12 variables added · 1 variable renamed

- hif_drink_alcohol — Added
- hif_employment_hml — Added
- hif_marital — Added
- hif_positive_covid19 — Added
- hif_smoke — Added
- hif_use_marijuana — Added
- hif_vaccinated_covid19 — Added
- hif_yes_alcohol — Added
- hif_yes_smoke — Added
- hif_yes_use_marijuana — Added
- participant_id_parent — Renamed to mindcrowd_id
- race_ethnicity — Added
- visit — Added

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MoCA

1 variable added · 1 variable removed · 1 variable renamed

- **moca_comments** — Removed
- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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NAART

1 variable removed · 1 variable renamed

- **naart_comments** — Removed
- **participant_id_parent** — Renamed to mindcrowd_id

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NULISaseq

1 variable added

- **visit** — Added

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Perceived_Stress_Raw_Data

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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PHQ9

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Polygenic_Risk_Scores

1 variable added

- **visit** — Added

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QPAR_Survey_Raw_Data

5 variables added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **qpar_v1017** — Added
- **qpar_v1018** — Added
- **qpar_v1019** — Added
- **qpar_v1020** — Added
- **visit** — Added

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Sleep_Survey_Raw_Data

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Social_Stressor_Raw_Data

2 variables added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **socstress_v101_yes** — Added
- **visit** — Added

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Social_Support_Raw_Data

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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Socioeconomic_Survey

1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id

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Sonora_Quest_Blood_Chemistries

1 variable added

- **visit** — Added

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Subjective_English_Survey

1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id

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SWLS_Survey_Raw_Data

1 variable added · 1 variable renamed

- **participant_id_parent** — Renamed to mindcrowd_id
- **visit** — Added

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