

IBIS EEG/ET Workgroup Call Minutes March 14th 2023



Updated Enrollment Numbers & Recruitment

Completed EEGs Since January 1st 2023

Count of PSCID	Column Labels				
Row Labels	SEA	STL	UMN	UNC	Grand Total
EEG	6	7	3	7	23
V06-CVD	4	5	3	4	16
V12-CVD	2	2		3	7
Grand Total	6	7	3	7	23

All Completed Assessments Since January 1st 2023

Count of PSCID	Column Labels					
Row Labels	PHI	SEA	STL	UMN	UNC	Grand Total
Behavioral	10	11	5	9	9	44
V06-CVD	4	4	3	7	4	22
V12-CVD	4	3	2		4	13
V24-CVD	2	4		2	1	9
EEG		6	7	3	7	23
V06-CVD		4	5	3	4	16
V12-CVD		2	2		3	7
Infant Synchrony	9					9
V06-CVD	5					5
V12-CVD	4					4
MRI	11	8	10	10	9	48
V06-CVD	5	4	6	8	4	27
V12-CVD	3	2	4	2	4	15
V24-CVD	3	2			1	6
Remote Assessments				2		2
V18-CVD				2		2
Grand Total	30	25	22	24	25	126

*35 V06
and V12
Behavioral
Visits

*42 V06
and V12
MRIs

All Upcoming Assessments Through April 2023

Count of PSCID	Column Labels				
Row Labels	PHI	SEA	STL	UNC	Grand Total
Behavioral	7	3		4	14
V06-CVD	4	1		2	7
V12-CVD	1			1	2
V24-CVD	2	2		1	5
EEG		2	2	3	7
V06-CVD		2	2	2	6
V12-CVD				1	1
Infant Synchrony	6				6
V06-CVD	3				3
V12-CVD	1				1
V24-CVD	2				2
MRI	7	2		3	12
V06-CVD	4	1		2	7
V12-CVD	1			1	2
V24-CVD	2	1			3
Grand Total	20	7	2	10	39

EEG Percent of Retainable Data Updates

- Highlighted numbers show improvement from October 2022
- These tables include the average percent of useable data per paradigm across all sites and includes all IBIS-EP infants that have attempted an EEG visit
- This quality control has been done with visual inspection of the data
- As we're working on the methods paper, we will be using ASR in an adapted way to get a more objective means of reporting our outcome measure (percent data retained)

	Average Percent of Usable Data Per Paradigm (%)		
Data Collection Site	Resting	VEP	AEP
Site 1	61.84 ± 28.17	71.73 ± 23.23	66.53±25.69
Site 2	82.40±19.28	83.4±21.63	81.43±6.60
Site 3	63.95±6.65	68.20±4.86	60.99±28.79
Site 4	67.53±17.91	68.17±32.08	62.74±31.28
Site 5	71.99±0.38	70.75±12.48	69.06±6.03

As of October 2022

Data Collection Site	Average Percent of Usable Data Per Paradigm (%)		
	Resting	VEP	AEP
Site 1	61.84 ± 28.17	71.73 ± 23.23	66.53±25.69
Site 2	85.45±10.28	85.52±7.19	84.22±8.30
Site 3	60.18±25.77	53.13±26.45	59.88±29.54
Site 4	67.41±24.0	77.47±21.6	66.80±19.28
Site 5	70.08±20.13	71.20±17.76	64.37±21.76

Eye Tracking Troubleshooting

- Multiple sites have been experiencing trouble getting calibration verification for infants (especially 6-month-olds)

Suggestions to Implement:

- Play a video (for example, UMN has a baby Einstein video) as the family is walking into the room to help immediately orient the baby to the screen
- Play music during calibration to help boost arousal and alertness to screen
- Reduce minimal requirement of how many calibration points are needed if necessary. If you do not get a calibration verification after 3 attempts, move forward with the recording, and Jed will see what they are able to do to salvage the recording in post-processing
 - Try to get at least 3 of the 5 calibration points
- You can consider using a high-chair for ET if you're seeing that the infant's positioning is making calibrations difficult
 - We do still recommend infant's sitting in their parent's lap for EEG
- Give the baby teething snacks during calibration. Sahana & team at CHLA has had great success when implementing this. The infants tend to relax and enjoy their snack while drifting off to looking at the screen
 - <https://www.gerber.com/shop-by-product/teethers-strawberry-apple-spinach-1>
 - You can find these at Target. The sweet potato and banana flavor seems to be the most popular one among our 6 month olds:
https://www.target.com/p/happybaby-sweet-potato-38-banana-organic-teethers-12ct-1-7oz/-/A-16185676?ref=tgt_adv_XS000000&AFID=google_pla_df&fndsrc=tgtao&DFA=71700000012510679&CPNG=PLA_Baby%2BShopping%7CBaby_Ecomm_Baby&adgroup=Baby+Care&LID=700000001170770pgs&LNM=PRODUCT_GROUP&network=g&device=c&location=9061104&targetid=pla-1730951825425&ds_rl=1242884&ds_rl=1246978&gclid=EAIaIQobChMIs6vq9_vb_QIVGA6tBh2zSAj_bEAQYAIAABEgLG1fD_BwE&gclsrc=aw.ds