

BWH Neonatal Neurocritical Care Surveillance Group and Database 2020-2022 Report

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MAGNET RECOGNIZED
AMERICAN NURSES CREDENTIALING CENTER

HARVARD MEDICAL SCHOOL TEACHING HOSPITAL

The NNCC Surveillance Group and Database

- **Established February 2020**
- **Current Members: Mohamed El-Dib, Hoda El-Shibiny, Elizabeth Singh, Debra Marks, Seh Hyun Kim and Katie Hannon**
- **Ongoing Surveillance of all NICU admissions with a neurological diagnosis**
- **Basic data entry in the NNCC Database**
- **Weekly meetings and discussion**
- **Direct Feedback to providers regarding CPG adherence or documentation**

The NNCC Surveillance
TH Evaluation Review Process

Notification	1. Providers send email to HIE research email 2. Review EPIC daily admission – notify the team 3. Notification to Pathology and Billing
Reports	1. Screened babies report 2. Cooled babies report
Meeting	Weekly meeting
Discussion	Case discussion: (admission process, diagnosis, clinical decisions, following CPG)
Feedback	1. Document feedback - immediately 2. Provide feedback -within 24-48 hours

Three Years Statistics 2020-2022 (n=1200)

Diagnosis	Total in 3 years	Average per year
Cooled	152	51
Evaluated Not Cooled	336	112
Seizures	35	12
Stroke	14	5
GMH/IVH:	117	39
Severe IVH	34	11
PHVD	16	5
IUGR	325	108
Microcephaly	81	27

Three Years Statistics 2020-2022 (n=1200)

Diagnosis	Total in 3 years	Average per year
Maternal Exposure	286	95
- Antidepressants	208	69
- Antipsychotic	14	5
- THC	36	12
- Opiates	36	12
- Benzodiazepines	23	8
- Cocaine	21	7

Three Years Statistics 2020-2022 (n=1200)

Resources Utilization by patient	Total in 3 years	Average per year
Neuro Consult	354	118
cUS	566	189
MRI	379	126
aEEG	395	132
cEEG	179	60
NIRS	227	76

Ongoing high priority metrics

- Compliance with TH evaluation algorithm and documentation
- Compliance with Microcephaly CPG
- Ventricular measurements on cUS and plotting in PHVD
- Time to start NIRS in ELGA infants
- Time between seizure detection and first ASM
- Location and indication for brain MRI

thank YOU

