

A DIFFERENT KIND OF BRAIN MAPPING: CREATING A CURRICULUM MAP FOR THE UCLA NEUROLOGY RESIDENCY ACADEMIC HALF-DAY



Saatvika Nair, BS Candidate¹, Hayoung Ahn, BA², Katherine Fu, MD³

¹University of California, Los Angeles (UCLA), ²David Geffen School of Medicine at UCLA, ³Department of Neurology, UCLA

UCLA David Geffen School of Medicine

BACKGROUND

- Curriculum mapping enhances curricula by facilitating improvements and **assessing educational objectives**.
- There is limited literature on its use in neurology residency programs compared to other specialties.^{1,2}
- This project aims to **identify gaps** in the UCLA neurology residency program's academic half-day (AHD) curriculum for PGY-2s through PGY-4s from **2018 to 2024**.
- We evaluated the **breadth and depth** of topics to determine if past curricula effectively addressed diverse aspects of neurology training.

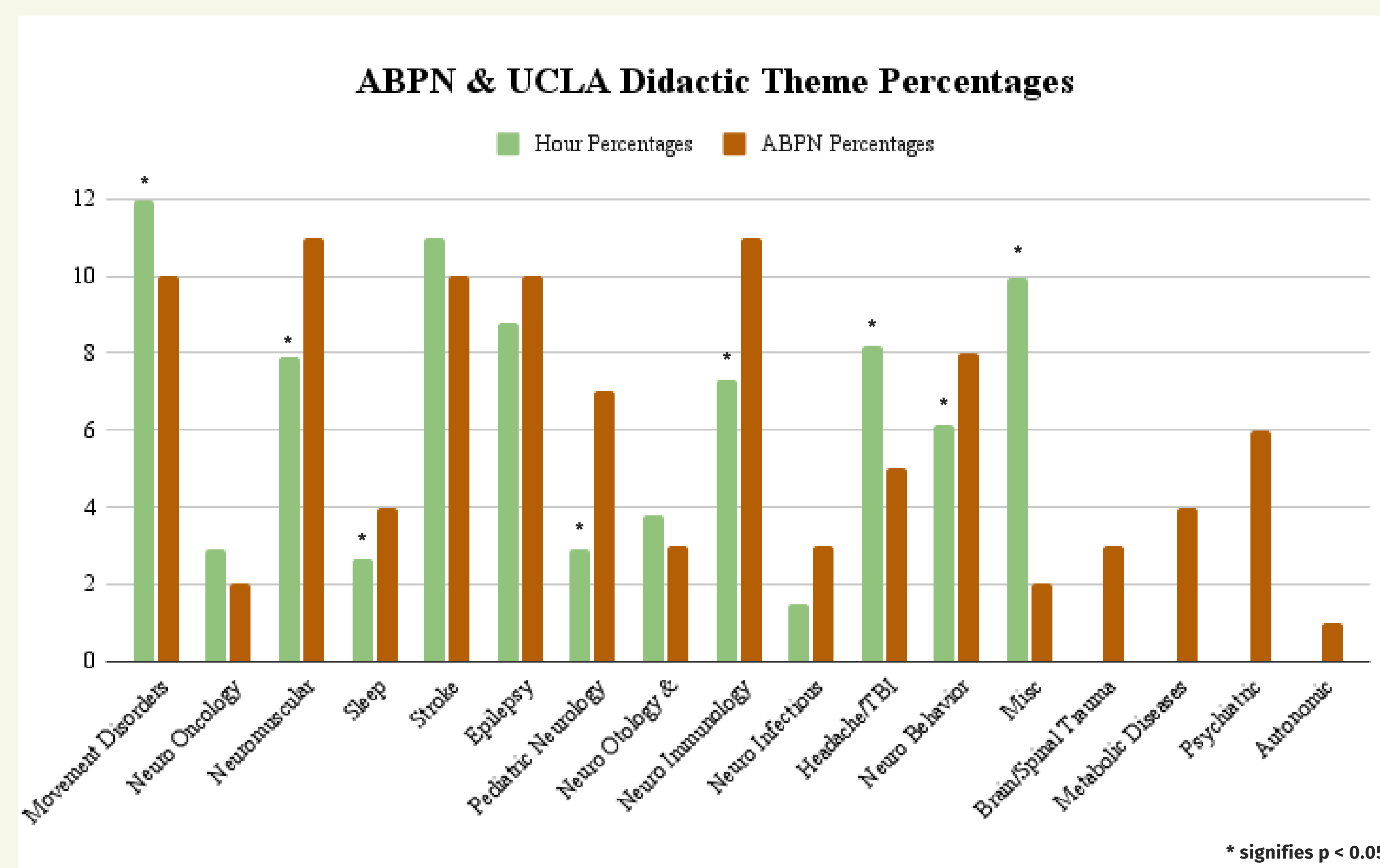
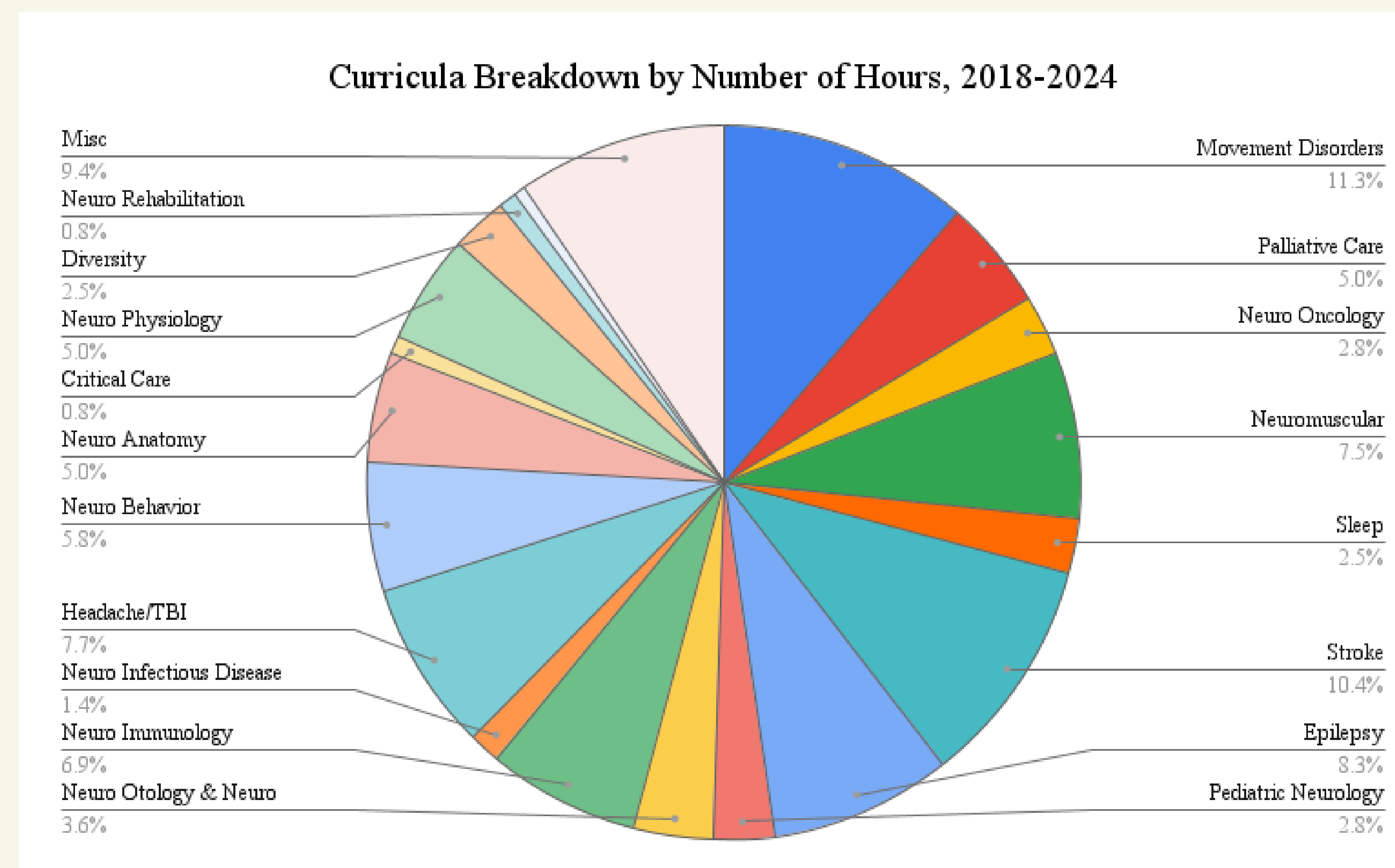
METHODS

- We used steps 1-7 of AAMC's *Guidebook to Creating a Curriculum Map* to help structure a comprehensive curriculum map.³
- Lectures were **categorized** by **subspecialty theme**, the academic years a lecture was covered, the number of hours, and the corresponding **ABPN** (American Board of Psychiatry & Neurology) **subtopics** from the *Certification Examination in Neurology Content Blueprint* were included.⁴
- The **percentages** of the UCLA curriculum was compared to the ABPN recommended content percentages using a **chi-square goodness of fit test**.

REFERENCES:

- Dera, H. al. (2021). Curriculum Mapping and Alignment of the Neuroscience Block in an Undergraduate Medical Education Program: A Delphi Study. *Advances in Medical Education and Practice*, 12, 567-575
- Wong, R.Y., Roberts, J.M. Real time curriculum map for internal medicine residency. *BMC Med Educ* 7, 42 (2007).
- Blood, A. D. (2022, November). Guidebook to Building a Curriculum Map. AAMC Curricular Resources.
- CERTIFICATION EXAMINATION IN NEUROLOGY. ABPN Content Specifications Content Blueprint. (2023).

RESULTS



DISCUSSION

- A total of **342 lectures** were given over **361.5 hours** from 2018-2024.
- There is a **significant difference** between the observed and recommended distribution of lecture themes, such as Neuro Immunology, Sleep, and Pediatric Neurology.
- These results suggest the need for **adjustments** to better **align** the curriculum with educational objectives, such as **increased representation** of Neuromuscular disorders and covering topics such as Autonomic disorders.

CONCLUSION + FUTURE DIRECTIONS

- Curriculum mapping can be incorporated in **other residency programs** to identify and address gaps in the curriculum.
- Future directions include developing a **longitudinal 2 year curriculum** that follows ABPN recommended content percentages.
- The curriculum can be **tailored** to mapping results, but also the resources available at the institution.