Independently collected neuroimaging datasets have different developmental trajectories.

**Observations & Findings (QR Code for visuals)**

1) When the HBN model is used as the training model, deviations in the POND dataset are largest in connections involving the subcortical regions.

2) When the POND model is used as the training model, deviations in the HBN dataset are large in non-subcortical networks.

**Next Step**

1. Identify the effect of age-correction methods on findings.
2. Quality control on QSIRecon outputs (structure connectomes).
3. Apply normative modelling on structural connectomes.

**Relevance to Holland Bloorview Clients & Families**

- The results of the project will help understand the replicability of age-related effects in NDCs in different datasets.
- This might lead to the development of better diagnosis of NDCs, and ultimately contribute to improving outcomes for individuals with these conditions.

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