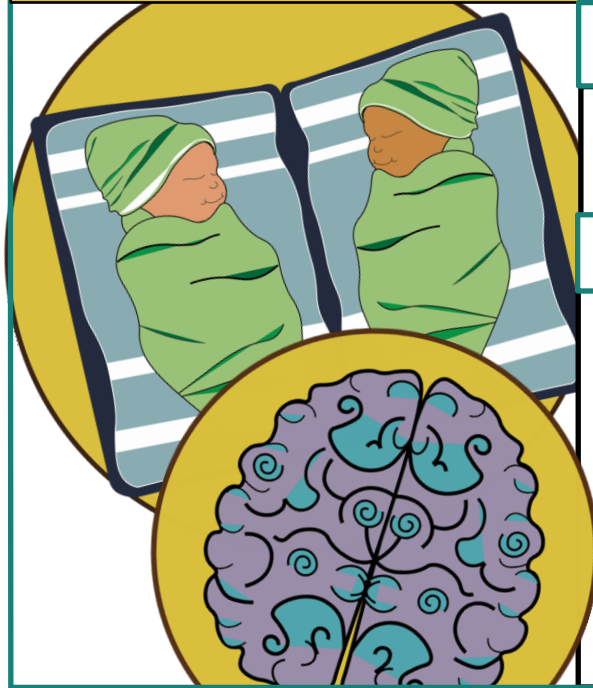


Neurologic Conditions in Children Who Are HEU

- Using HIV medicines during pregnancy is good at preventing the baby from getting HIV.
- However, we want to understand how these medicines may affect the babies as they grow up.



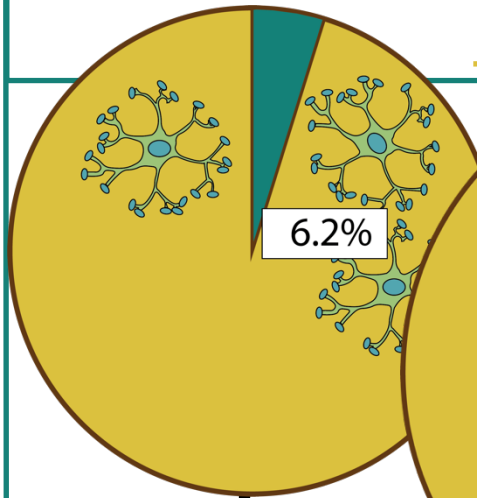
| WHO PARTICIPATED |

- **3,747 children** enrolled in SMARTT.
- All children were born **HIV- Exposed but Uninfected (HEU)**

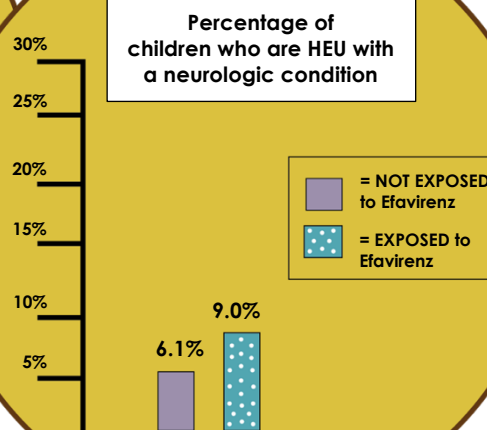
| WHAT WE DID |

- We looked at **how many children who are HEU ended up having a neurologic condition.**
- Examples of these conditions are **seizures**, certain eye-related disorders, and **microcephaly** (small head size).
- We **looked to see** if the chance of children **having a neurologic condition was higher with specific HIV medicines** their mothers took during pregnancy. We did this by comparing them to children whose mothers did not take that HIV medicine during pregnancy.

| WHAT WE FOUND |



We found that **neurologic conditions were not very common** among children in SMARTT (**6.2%**).



Children who are HEU whose mothers took a medicine called Efavirenz during pregnancy had a **53% higher chance** of having a neurological condition.



Children who are HEU whose mothers took certain HIV medicines may **have a higher chance** of having a neurologic condition.

By continuing to study our children, we will be able to better understand which HIV medicines are safest for mothers to take during pregnancy.



Crowell CS, Williams PL, Yildirim C, et al. Safety of in-utero antiretroviral exposure: neurologic outcomes in children who are HIV-exposed but uninfected. *AIDS*. 2020;34(9):1377-1387. PMID: 32310900

The study also suggested that children whose mothers received another HIV medicine called **dolutegravir** during pregnancy had **two times the risk** of having neurologic conditions, after accounting for other factors. There were **too few cases to be sure about this finding.**

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