



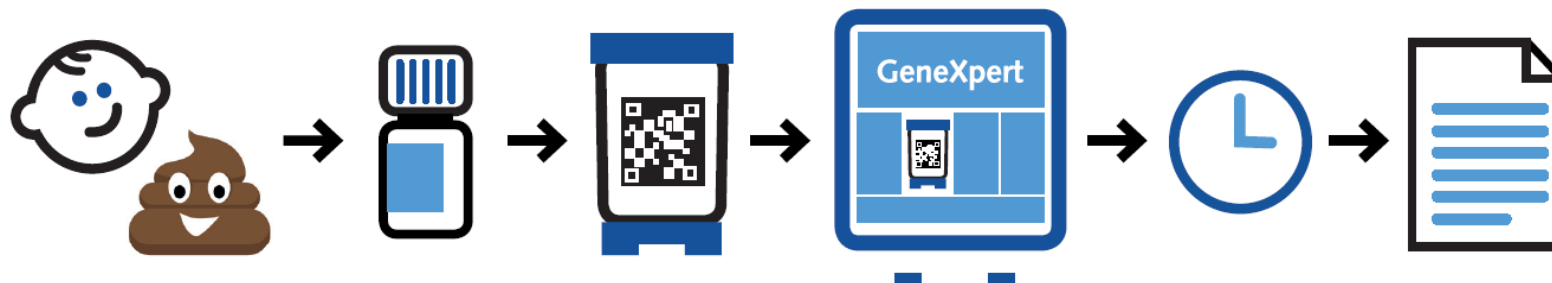
# Country experiences on implementing the SOS stool method with Xpert MTB/Rif: lessons learned

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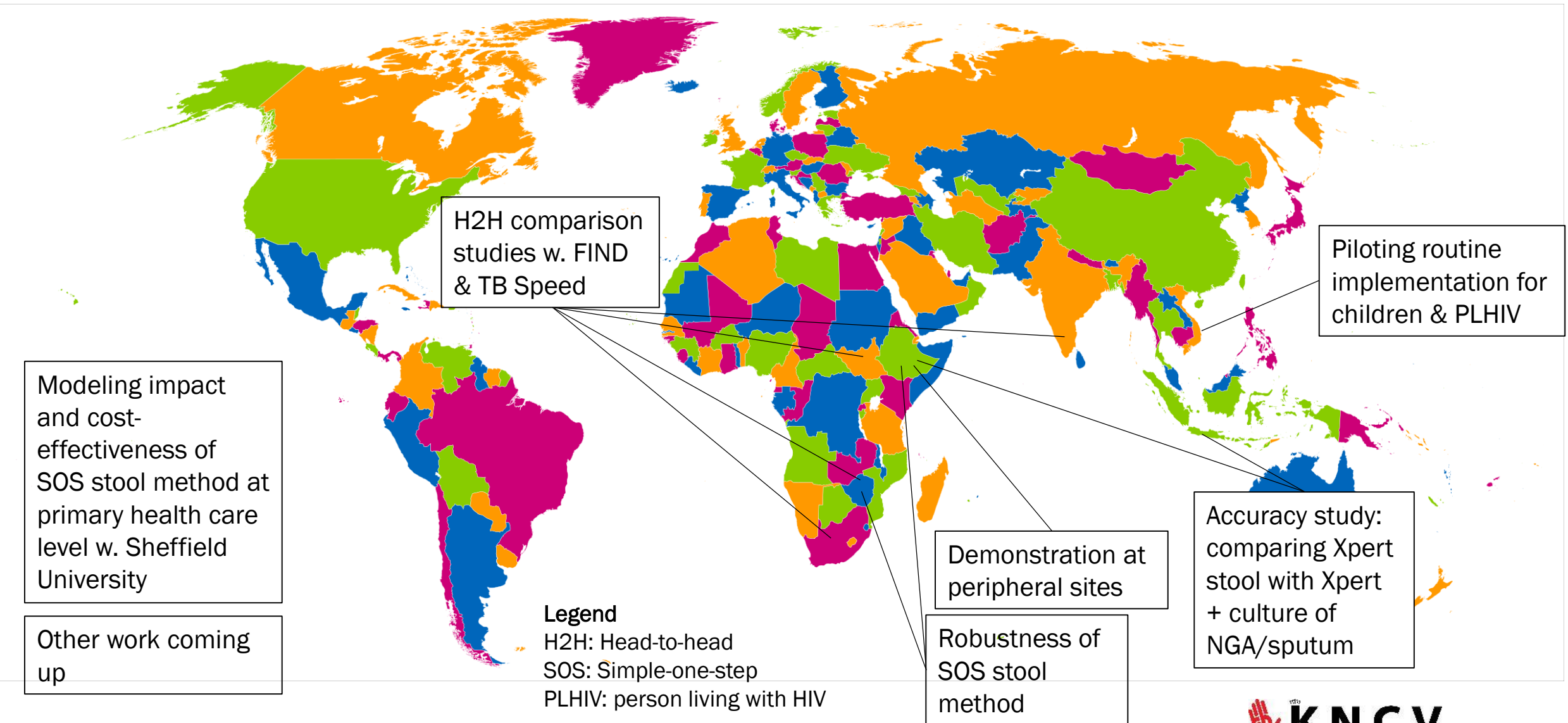
**CHILDHOOD TB**

# KNCV Simple One-Step (SOS) Stool method

- Developed by KNCV and announced at Union of 2018
- First presented in annual Child & Adolescent TB working group meeting in 2019
- As simple as sputum testing with Xpert
- Feasible to perform at every GeneXpert site without need for additional materials
- Only short training required for Xpert staff



# Studies and implementation projects that we are involved in



# Work on the SOS stool method indicates that:

- It can be feasibly implemented at peripheral and district level, with initial close monitoring and trouble shooting (Ethiopia, Indonesia, Vietnam)
- Training (incl. TOT) can be provided remotely (Vietnam)
- Head-to-head comparison studies suggest that there is no difference between the three stool processing methods
  - *Currently estimating costs and impact of implementation of this method at peripheral level (modeling study)*
- It can be used for children and adults (living with HIV) (Vietnam, Zambia)
- It can probably also be combined with other (transport) buffers (Zambia)
  
- Awaiting results of SOS stool robustness study (Ethiopia)
- More work coming up

# Next steps

- Complete studies for further evidence on SOS stool method:
  - *Accuracy*
  - *Robustness, incl validation with sample transport buffer*
  - *Head-to-head comparisons*
- Gain more experience with pilot implementation projects
- Finalize (online) SOS stool tool-box containing
  - *Training, monitoring and supervision package*
  - *General implementation plan*
  - *Guidance on interpretation of diagnostic test results*
- In collaboration with WHO to prepare a quick guideline of stool processing methods
- Create community of practice



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