

MN Family Environmental Exposure Tracking (MN FEET)

- ▶ Partners: SoLaHmo¹, MN Department of Health², and HealthPartners³
- ▶ Dates: 2016–2017
- ▶ Purpose: Identify mercury, cadmium, and lead contamination and sources for contamination in pregnant Somali, Latina, Hmong/Asian, and White women
- ▶ Methods: Collected umbilical cord blood and mother's urine in 402 women at delivery
- ▶ Results:
 - High: 9 inorganic mercury (6 Asian/3 Latina). 9 organic mercury (9 Asian). 1 cadmium (White). 2 lead (Asian/Latina).
 - Highest levels of mercury in low socio-economic Hmong women due to both skin lightening creams and fish
 - <http://www.health.state.mn.us/divs/hpcd/tracking/biomonitoring/projects/feet-landing.html>
- ▶ Application:
 - Working with community organizations and MDH to develop and deliver educational messages for Somali, Latino, Hmong, and White women before and during pregnancy.
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