

Nontuberculous mycobacterial diversity in the Hawai'i environment; update



Collected **207** new environmental samples from **136 unique** sites across four Hawaiian Islands –

- Kauai
- Oahu
- Maui
- Hawai'i Island

MAC was the most commonly recovered NTM from Hawai'i environment.

"Household" (n=58)	"Non-household" (n=61)	"Outdoor" (n=88)
Showerheads (35)	Public sink faucets (61)	Beach showerheads (44)
Kitchen sink faucets (23)		Stream-rock interface (11)
		Ice machines (17)
		Water fountains (9)
		Garden hoses (7)

Matched study

- Determine whether the household environment is a source of infection and identify host factors and behaviors that may contribute to NTM acquisition.
- Patients with and without NTM were asked to sample from their homes:
 - Showerhead biofilms
 - Kitchen sink faucet biofilms
 - Tongue
 - Dust
 - soil.



Household may be a potential route of exposure for NTM.