

Final Report on SCHC Nail and Hair Salon Projects

Hair Salon

This project was conducted by University of Minnesota MPH student Keerthanaa Jeeva under the supervision of Dr. Susan Arnold. Ms Jeeva focused on characterizing chemical exposures in one illustrative hair salon. Following a systematic data collection process, Ms. Jeeva developed and delivered a habits and practices survey. She used this information to design and conduct a simulation study in a controlled environment (exposure chamber) to measure short term peak exposures to ammonia, a chemical that is released into the air when two products are mixed and applied to color hair.

She will develop a training video, translating this research to work practices to reduce these peak exposures.

Nail Salon

This project was conducted by University of Minnesota MPH student Chinomso Ibe under the supervision of Dr. Susan Arnold. Ms. Ibe conducted research in one nail salon. She focused on characterizing dispersion characteristics and their influence on exposures to chemicals evaporating from nail polish.

Ms. Ibe developed a training presentation for the salon to help these professionals make informed decisions to reduce workplace exposures resulting from nail polish application.