



HEALTH AND SAFETY
OF SOUTHEAST
MICHIGAN NAIL
SALONS

Global problem, local lens

- Nail salon workers in the US are exposed to a large amount of cosmetic products on a daily basis that are often unregulated.¹
- Exposures can lead to adverse health effects from CNS impairment to respiratory illnesses and contact dermatitis.^{2,3,4}
- Nail salon workers in the United States are primarily of Vietnamese descent, often lacking access to health and safety information.⁵

Multidisciplinary team

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Project components

Surveys of nail salon owners and employees

- Preliminary survey of nail salon owners
- Secondary survey of salon employees' health and safety practices

Passive sampling and salon supply analysis

- Passive sampling during salon services
- Analysis of common salon supplies for determination of product make-up

Training tools and certification

- Development of online training materials
- Certification of salons based on health and safety guidelines

What did we learn

- 35 salon visits in Ann Arbor, Ypsilanti, and Canton
- 7 preliminary survey respondents
 - *Salon owners often not present with no set schedule*
- Of salon survey respondents, 90% employed workers of Vietnamese descent
- Air concentrations of toluene, ethyl acetate, methyl methacrylate, and tetrachloroethylene found in nail salons
 - *Ad hoc sampling for chemical characterization - not comprehensive*

Where do we go from here?

- Work on building a collaboration of nail salon owners, employees, and researchers to ensure research is relevant and accepted by the nail salon community
- Finalize and administer secondary survey to salon employees – working on outreach through local churches, grocery stores, and restaurants to increase participation
- Continue to research and develop online training tools
- Begin passive sampling of salon services and analysis of salon products
- Certification program for healthy, safe salons to encourage best practices

References

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