DETECTING AND PREVENTING RELAPSE TO SMOKING

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Disclosures

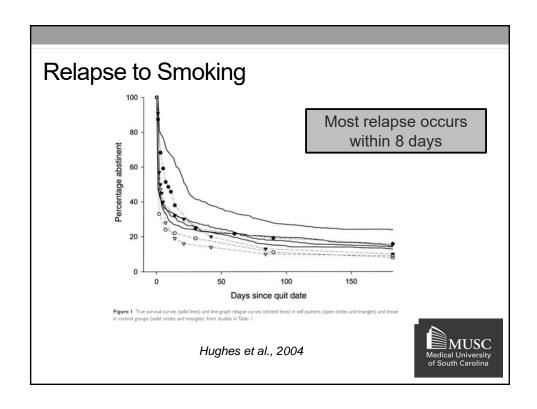
Funding for this work has been provided by the National Institute on Drug Abuse (NIDA).



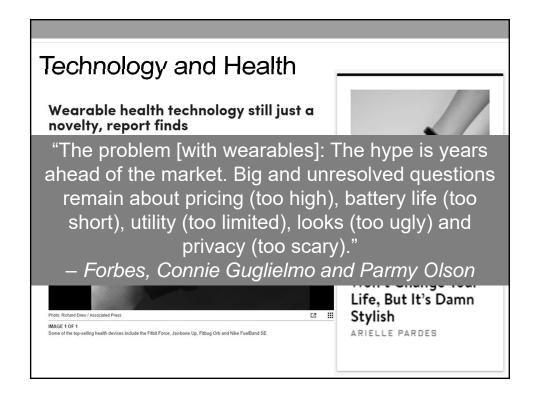








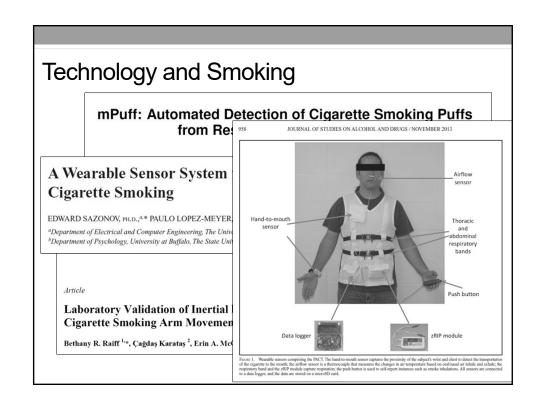




Technology and Smoking

- Technology may improve how we prevent, detect, and treat smoking
- Reach of interventions could be improved and could circumvent geographical location and limited mobility
- Reduces the need for lab- and clinic-based visits





Research Questions

- How do we detect and PREVENT relapse to smoking among adolescents and adults?
- Which treatment strategies will help to improve abstinence outcomes?
- How might we use technology to study and treat smoking?
- How does tobacco and marijuana co-use impact abstinence outcomes?

Relapse Detection

- Breath carbon monoxide monitoring among adolescents and emerging adults during a quit attempt
- Remote assessments conducted (ecological momentary assessment) to isolate variables associated with relapse



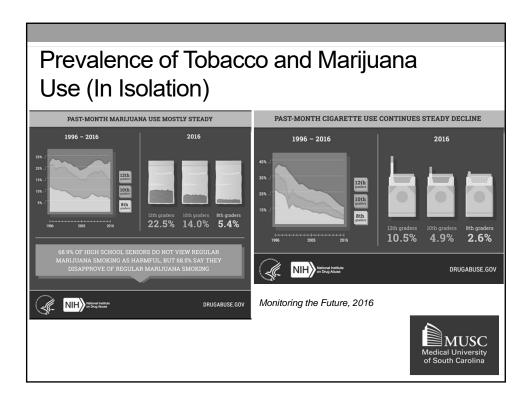


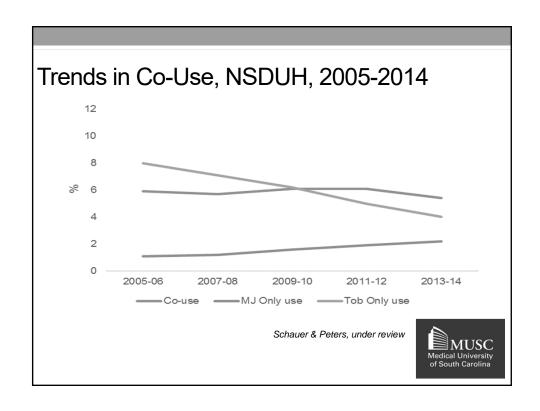
Future Research and Application

• New devices, integrated platforms, sensor suites, longer battery life, advanced computing, predictive algorithms, and personalized approaches....









Co-Administered Products: Blunts, Spliffs, Mulling









Co-Use and Implications for Treatment

- Substitution or compensatory use
- Abstinence rates among co-users
- Dual interventions timing of cessation



