

Attachment 4

Crosswalk of PATH Objectives, Data Sources, Domains, and Analysis

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Crosswalk of PATH Study Objectives, Data Sources, Domains, and Analysis			
Objective	Data Source	Domain / Questionnaire Component	Analysis
1. Identify and explain trends in tobacco use patterns	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, secondhand smoke exposure section	Examine the prevalence of each product cross sectionally and examine rates of quitting, initiation, and relapse longitudinally overall and by demographics and other subgroups such as dependence and the presence of comorbidities.
2. Identify and explain trends in risk perceptions	Adult, Youth, Parent	Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, packaging and health warnings section, product regulation, modified risk product section, media utilization section, industry advertising and promotion section	Examine the levels of risk perceptions of different tobacco products cross-sectionally and to assess change prospectively overall and by demographics and other subgroups.
3. Characterize the natural history of cessation and relapse	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, secondhand smoke exposure section	Longitudinally examine rates of quit attempts, brand and product switching, and actual cessation and relapse overall and by subgroup.
4. Compare intermediate endpoints and health outcomes by tobacco user status	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, secondhand smoke exposure section, health effects section	Examine rates of adverse health outcomes cross-sectionally and compare between different types of tobacco product users / nonusers. Longitudinally examine the rate of onset of adverse health outcomes by tobacco product user status (user, recent quitter, product switcher, poly-product user)

Objective	Data Source	Domain / Questionnaire Component	Analysis
5. Evaluate the effects of FSPTCA regulations	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	(All sections used) Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, packaging and health warnings section, product regulation/modified risk product section, peer and family influences section, health effects section, industry advertising and promotion section	Utilize regulatory conceptual models to identify changes in regulatory-specific intermediate variables and behaviors (see Attachment 3b).
6. Assess differences in attitudes, behaviors, and health outcomes by subgroup	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, peer and family influences section, health effects outcome section	This is essentially the analysis plan for Objectives 1, 2, and 4 but broken down by subgroup. Subgroups of particular interest are demographic subgroups and persons with comorbidities such other substance use or physical or mental health problems.
7. Compare non-users and former users trends in use, risk perceptions, and health outcomes	Adult, Youth, Parent, Screener, Tobacco Use Form, Biospecimen	(All sections used) Demographics, tobacco use, cigarette section, e-cigarette section, cigar section, pipe section, waterpipe section, snus section, smokeless section, dissolvable section, poly use section, nicotine dependence section, packaging and health warnings section, product regulation/modified risk product section, media utilization section, secondhand smoke section, peer and family influences section, health effects section, industry advertising and promotion section	This is essentially the analysis plan for Objectives 1, 2, and 4 but broken down by subgroup. The main subgroups of interest for this objective are persons with different tobacco use statuses (nonuser, users of each type of product, poly tobacco product users, quitters by length of time quit)