
PREPs Database Searchable Variables Defined

<i>Variable</i>	<i>Possible Values</i>
<i>Authors Conducting the Study</i>	
	* --- Type Text --
<i>Biomarkers Assessed in the Study</i>	
	* <i>trans, trans-muconic acid (t,t-MA)</i>
	* <i>4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)</i>
	* <i>polycyclic aromatic hydrocarbons (PAH)</i>
	* <i>Pyrene uptake</i>
	* <i>complete blood count (CBC)</i>
	* <i>alveolar inflammation parameters</i>
	* <i>bronchial biopsies</i>
	* <i>fibrinogen</i>
	* <i>platelets</i>
	* <i>circulating neutrophils</i>
	* <i>prothrombin time (PT)</i>
	* <i>goblet cell metaplasia</i>
	* <i>triglycerides</i>
	* <i>number of puffs</i>
	* <i>nicotine, total (nicotine plus nicotine glucuronide)</i>
	* <i>time to smoke</i>
	* <i>Topography</i>
	* <i>Nitronaphthalene (NNT)</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Biomarkers Assessed in the Study</i>	
	* <i>NNAL-Glucuronide and/or NNAL, total (4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol and its glucuronides)</i>
	* <i>N'-nitrosonornicotine (NNN)</i>
	* <i>metabolic factors</i>
	* <i>cotinine, total (cotinine plus cotinine glucuronide)</i>
	* <i>(S)-1-Methyl-5-(3-pyridinyl)-2-pyrrolidinone)</i>
	* <i>thioethers</i>
	* <i>8-hydroxy-2'-deoxyguanosine (8-OHdG)</i>
	* <i>3-ethyladenine (3-EtAd)</i>
	* <i>3-methyladenine (3-MeAd)</i>
	* <i>S-phenylmercapturic acid (S-PMA)</i>
	* <i>DNA adducts</i>
	* <i>None tested</i>
	* <i>1-hydroxypyrene (1-HOP;1-OHP)</i>
	* <i>CYP1A1 polymorphisms (Polychlorinated biphenyls, cytochrome P450 1A1)</i>
	* <i>mean corpuscular hemoglobin (MCH)</i>
	* <i>WBC (leukocytes, white blood cells)</i>
	* <i>hematocrit, haematocrit (HCT)</i>
	* <i>Hemoglobin, haemoglobin (Hgb, Hb)</i>
	* <i>cholesterol, total</i>
	* <i>creatinine (CT)</i>
	* <i>high-density lipoprotein (HDL)</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Biomarkers Assessed in the Study</i>	
	* <i>nicotine (plasma, serum, urinary)</i>
	* <i>carbon monoxide (CO)</i>
	* <i>skin temperatures</i>
	* <i>carboxyhemoglobin, carboxyhaemoglobin (CO-Hb)</i>
	* <i>cotinine (plasma, salivary, serum, urinary)</i>
	* <i>Ames Test (Urine mutagenicity)</i>
	* <i>Exhaled Carbon Monoxide (CO)</i>
	* <i>heart rate (HR)</i>
	* <i>mean corpuscular volume (MCV)</i>
	* <i>anatabine</i>
	* <i>trans-3'-hydroxycotinine, total</i>
	* <i>4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol (NNAL)</i>
	* <i>differential WBC</i>
	* <i>mean corpuscular hemoglobin concentration (MCHC)</i>
	* <i>weight</i>
	* <i>GSTM1 and GSTT1 - glutathione S-transferases</i>
	* <i>blood pressure, systolic and diastolic (BP)</i>
	* <i>Apolipoprotein B (ApoB)</i>
	* <i>Apolipoprotein A1 (ApoA1)</i>
	* <i>cholesterol, total/high density lipoprotein (HDL)</i>
	* <i>high-density lipoprotein/low-density lipoprotein ratio (HDL/LDL)</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Biomarkers Assessed in the Study</i>	
	* <i>low-density lipoprotein (LDL)</i>
	* <i>respiratory symptoms</i>
	* <i>cotinine-N-glucuronide</i>
	* <i>red blood cells (RBC count)</i>
	* <i>Carbon monoxide boost (CO boost)</i>
	* <i>brand elasticity</i>
	* <i>total volatile organic compounds</i>
	* <i>nicotine-N-glucuronide</i>
	* <i>EEG activity</i>
	* <i>reactive oxygen species</i>
	* <i>Sputum induction</i>
	* <i>Pulmonary epithelial permeability</i>
	* <i>usual type of cigarette smoked</i>
	* <i>Pulmonary function tests</i>
	* <i>visual bronchitis index</i>
	* <i>lung function</i>
	* <i>Nicotine boost</i>
	* <i>puff volume</i>
	* <i>attempted to quit during past year</i>
	* <i>Airway nitric oxide</i>
	* <i>trans-3'-hydroxycotinine-O-glucuronide</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Biomarkers Assessed in the Study</i>	
	* <i>Average number of cigarettes smoked per day</i>
<i>Duration of Product use in the study</i>	
	* <i>6 -12 months</i>
	* <i>> 12 months</i>
	* <i>< 6 months</i>
<i>Ethnic Make-up of Study Sample</i>	
	* <i>Asian</i>
	* <i>Non-caucasian</i>
	* <i>Unknown/Not available</i>
	* <i>Hispanic</i>
	* <i>African-American</i>
	* <i>Caucasian</i>
<i>Funding Source</i>	
	* <i>Tobacco Company</i>
	* <i>Government</i>
	* <i>Not stated</i>
	* <i>American Cancer Society</i>
	* <i>Industry</i>
	* <i>NIH</i>
	* <i>Foundation</i>
<i>Gender Make-up of Study Sample</i>	
	* <i>Male</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Gender Make-up of Study Sample</i>	
	* <i>Female</i>
<i>Geographic Location of the Study Country</i>	
	* <i>Sweden</i>
	* <i>Italy</i>
	* <i>Germany</i>
	* <i>United States</i>
	* <i>Canada</i>
<i>Institution Conducting the Study</i>	
	* <i>University of Minnesota</i>
	* <i>Analytisch-biologisches Forschungslabor GmbH</i>
	* <i>Centers for Disease Control and Prevention</i>
	* <i>National Institute on Drug Abuse</i>
	* <i>MDS Pharma Services</i>
	* <i>Massachusetts Department of Public Health</i>
	* <i>Institute for Tobacco Studies</i>
	* <i>Fagerstrom Consulting</i>
	* <i>Philip Morris USA</i>
	* <i>Addiction Research Center</i>
	* <i>Stockholm County Council</i>
	* <i>Stockholm Center for Public Health</i>
	* <i>Tobacco Prevention</i>
	* <i>Institute of Environmental Medicine</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Institution Conducting the Study</i>	
	* <i>VA Medical Center</i>
	* <i>University of Vermont</i>
	* <i>University of Pittsburgh School of Medicine</i>
	* <i>Piney Associates</i>
	* <i>Karolinska Institute</i>
	* <i>GlaxoSmithKline Consumer Healthcare</i>
	* <i>University of Pittsburgh</i>
	* <i>Addiction Research Center, NIDA</i>
	* <i>University of Milan</i>
	* <i>University of Genoa</i>
	* <i>National Cancer Research Institute</i>
	* <i>Scientific Institute of Tuscany</i>
	* <i>University of Waterloo</i>
	* <i>Westman EC, Behm FM, Rose JE (1996) Dissociating the nicotine and airway sensory effects of smoking. Pharmacol Biochem</i>
	* <i>University of New Jersey</i>
	* <i>Biostatistics and Data Management</i>
	* <i>Wayne State University School of Medicine</i>
	* <i>Pharmacia & Upjohn Consumer Healthcare</i>
	* <i>University of Vermont</i>
	* <i>University of Vermont</i>
	* <i>University of Nebraska</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Institution Conducting the Study</i>	
	<ul style="list-style-type: none"> * <i>University of Minnesota</i> * <i>University of Rochester</i> * <i>Smokers Information Center</i> * <i>RJ Reynolds Tobacco Company</i> * <i>Massachusetts Tobacco Control Program</i> * <i>Durham Veteran Affairs Medical Center</i> * <i>Duke University Medical Center</i> * <i>Roswell Park Cancer Institute</i> * <i>University of Pittsburgh School of Medicine</i> * <i>Virginia Commonwealth University</i>
<i>Institution Type Conducting the Study</i>	
	<ul style="list-style-type: none"> * <i>Private</i> * <i>Government</i> * <i>Industry</i> * <i>Academic</i> * <i>Non-Profit</i>
<i>Instrument used to measure the psychological construct</i>	
	<ul style="list-style-type: none"> * <i>Direct Effects of Smoking Questionnaire (DES)</i> * <i>No standard instrument reported</i> * <i>None used</i> * <i>Not reported</i> * <i>Diagnostic and Statistical Manual III on Nicotine Dependence (DSM-III Nicotine dependence)</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Instrument used to measure the psychological construct</i>	<ul style="list-style-type: none"> * <i>Sensory Questionnaire (SQ)</i> * <i>Other</i> * <i>Minnesota Nicotine Withdrawal Scale (rev. DSM-IV)</i> * <i>Diener and Emmons Mood Scale</i> * <i>Visual Analog Scale (VAS)</i> * <i>Fagerstrom tolerance Questionnaire</i> * <i>Other</i> * <i>Minnesota Tobacco Withdrawal scale</i> * <i>Tiffany craving scale</i> * <i>Smoking Withdrawal Questionnaire (SWQ)</i> * <i>Diagnostic and Statistical Manual IV on Nicotine Dependence (DSM-IV Nicotine dependence)</i> * <i>Duke Sensory Questionnaire</i> * <i>Other</i> * <i>Focus Group</i> * <i>Stages of Change</i> * <i>Fagerstrom Test of Nicotine Dependence (FTND)</i> * <i>Questionnaire on Smoking Urges, Factor I and/or Factor II (QSU)</i> * <i>Other</i> * <i>Duke Cigarette Evaluation Scale</i> * <i>Contemplation Ladder</i> * <i>Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Instrument used to measure the psychological construct</i>	

- * *Rose Sensory Questionnaire (SQ)*
- * *Cigarette Evaluation Scale (CES)*
- * *Number of Quit attempts*
- * *Motivation to quit*
- * *Drug-liking question*
- * *Minnesota Withdrawal Scale*
- * *Shiffman-Jarvik questionnaire*
- * *Withdrawal symptoms*
- * *Intention to Smoke*
- * *Relief from Withdrawal*
- * *Nicotine withdrawal and toxicity symptoms*
- * *Attitudes toward smoking*
- * *Intention to quit*
- * *Tobacco Withdrawal*
- * *Rose Questionnaire*
- * *Nicotine dependence*

<i>Measures of Objective Smoke Exposure</i>

- * *None reported*
- * *Quit attempts, Quit history, Duration of abstinence*
- * *Smoking characteristics (Topography, number of puffs, puff volume, time to smoke)*
- * *Respiratory (respiratory symptoms, lung function, visual bronchitis index)*

<i>Variable</i>	<i>Possible Values</i>
<i>Measures of Objective Smoke Exposure</i>	
	* <i>Environmental tobacco smoke</i>
	* <i>Cotinine (saliva, plasma, serum, urinary)</i>
	* <i>Nicotine (plasma, serum, boost, urinary, predicted nicotine uptake)</i>
	* <i>Cardiovascular (heart rate, carboxyhemoglobin, carboxyhaemoglobin, blood pressure)</i>
	* <i>Tobacco use (smoking history, tobacco daily diary, tobacco use questionnaire, type of cigarette/PREP used, number of cigarettes smoked)</i>
	* <i>Carbon monoxide (CO)</i>
	* <i>Anatabine</i>
<i>Number of Subjects Initially Recruited to the Study</i>	
	* <i>1-50</i>
	* <i>50-100</i>
	* <i>100-500</i>
	* <i>500+</i>
<i>The Size of Study Sample for Statistical analyses</i>	
	* <i>500+</i>
	* <i>1-50</i>
	* <i>50-100</i>
	* <i>100-500</i>
<i>Title of Published Study</i>	
	* <i>--- Type Text --</i>
<i>Type of Study (human clinical trial, human laboratory, other)</i>	
	* <i>Cross-sectional survey/analysis</i>
	* <i>Prospective cohort study</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Type of Study (human clinical trial, human laboratory, other)</i>	

- * *Retrospective cohort study*
- * *Toxicology study*
- * *Pooled/meta-analysis*
- * *Randomized clinical trial*
- * *Cross over design*
- * *Non-randomized clinical trial*
- * *Case-control study*
- * *Focus Group*

<i>Usual Brand(s) of Tobacco Products Used by Study Sample</i>

- * *Non-menthol, non-nicotine cigarettes*
- * *Nicotine sunscreens*
- * *Tarblock*
- * *Light cigarettes*
- * *Lower tar conventional cigarette*
- * *Electrically heated smoking systems (EHCSS)*
- * *Own Brand/Usual Brand*
- * *Marlboro Ultra Lights*
- * *Nicorette oral inhaler*
- * *Nicotini (martini flavored with tobacco juice)*
- * *Marlboro Regular*
- * *Nicotine lip balm*

<i>Variable</i>	<i>Possible Values</i>
<i>Usual Brand(s) of Tobacco Products Used by Study Sample</i>	
	* <i>Nicotine lollipops (NicoStop, Nicopop, Likatine)</i>
	* <i>Nicowater</i>
	* <i>VEC (Vitamin E cigarettes)</i>
	* <i>Carlton Basic Light</i>
	* <i>NanofilterCX Cigarette Filter</i>
	* <i>Advance</i>
	* <i>Nicotine wafer</i>
	* <i>Nicotine gum</i>
	* <i>Low-yield brand</i>
	* <i>American Spirit</i>
	* <i>Medicinal nicotine</i>
	* <i>Marlboro Blend #27</i>
	* <i>smokefree cigarettes</i>
	* <i>herbal cigarettes</i>
	* <i>Ultralight cigarettes</i>
	* <i>Nicotine patch</i>
	* <i>Nicogel</i>
	* <i>Full-tar tar de-nicotinized cigarettes</i>
	* <i>Reduced tar de-nicotinized cigarettes</i>
	* <i>Full-tar cigarettes</i>
	* <i>Reduced-tar cigarettes</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Usual Brand(s) of Tobacco Products Used by Study Sample</i>	
	* <i>Denicotinized tobacco cigarettes</i>
	* <i>Carlton Ultra Light</i>
	* <i>Marlboro Basic</i>
	* <i>Winston</i>
	* <i>Marlboro Ultra</i>
	* <i>Wellstone</i>
	* <i>Vitacig (vitamin C cigarettes)</i>
	* <i>Marlboro Ultra Smooth</i>
	* <i>Nicoderm CQ Patch</i>
	* <i>Not Reported</i>
	* <i>Quest</i>
	* <i>Nicobloc</i>
	* <i>Oasis</i>
	* <i>BF "Biofilter"</i>
	* <i>Marlboro Lights</i>
	* <i>Omni</i>
	* <i>Accord</i>
	* <i>Next</i>
	* <i>Ariva</i>
	* <i>Eclipse (Airs, Hi-Q, Inside)</i>
	* <i>Snus</i>

<i>Variable</i>	<i>Possible Values</i>
<i>Usual Brand(s) of Tobacco Products Used by Study Sample</i>	

- * *Stonewall*
- * *Honeyrose Herbal Cigarettes Mixtures*
- * *Ciganot Smokeless Cigarettes*
- * *Natural American Spirit*
- * *Blue Whale Premium Tobacco Alternative w/ Nicodip*
- * *Nicstic*
- * *Fact*
- * *Interval*
- * *Premier*
- * *Taboka*
- * *Click*
- * *Tobarol*
- * *Gumsmoke*
- * *Catch*
- * *Exalt*
- * *Revel*
- * *Heatbar*
- * *Aeros*

<i>Validation of Biomarkes within Study</i>

- * *Yes*
- * *No*

<i>Variable</i>	<i>Possible Values</i>
<i>Validation of Biomarkes within Study</i>	* <i>Not Stated</i>
<i>Year Conducted</i>	* <i>-- Type Year --</i>
<i>Year Published</i>	* <i>--- Type Year --</i>