

Full set of feature and enumeration can be found here:

Column
HASH_VALUE
IN_FINAL_SAMPLE
ORIGINAL_ANALYTIC_SAMPLE
TLR4_AGE
GENDER
RACE
ETHNICITY
CURRENT_AGE
CURRENT_STREETADDRESS1
CURRENT_STREETADDRESS2
CURRENT_CITY
CURRENT_STATE
CURRENT_ZIP_CODE
CURRENT_COUNTRY
RESPONDER_STATUS
QXAGE
HE_COMPLETION_DATE
BMI
BMI_CATEGORY
D28_ASTHMA
D28A_ASTHMA_AD_TEXT
D28B_STILL_HAVE_ASTHMA
D28C_ASTHMA_EPISODE_12M
D28D_ASTHMA_ER_VISIT_12M
D28E_ASTHMA_MED_TAKE_12M
D28F_ASTHMA_14D_NUM_NIGHTS_TEXT
D28G_ASTHMA_14D_LIMIT_DAYS_TEXT
D28H_ASTHMA_14D_NUM_WHEEZE_TEXT
S177_SMOKE_100_CIG_LIFETIME
SMOKE_CAT
SNP1
SNP2
SNP3
SNP4
TLR4_LAT
TLR4_LONG
TLR4_DIST_1X
TLR4_DIST_2X
TLR4_DIST_3X
GEOID
ESTTOTALPOP
ESTTOTALPOP_SE
ESTTOTALPOP25PLUS
ESTTOTALPOP25PLUS_SE
ESTPROPPERSONSNONHISPWHITE
ESTPROPPERSONSNONHISPWHITE_SE
MEDIANHOUSEHOLDINCOME
MEDIANHOUSEHOLDINCOME_SE
ESTPROPPERSONSNOHEALTHINS
ESTPROPPERSONSNOHEALTHINS_SE
ESTPROPPERSONS25PLUSHSMAX
ESTPROPPERSONS25PLUSHSMAX_SE
ESTPROPPERSONS5PLUSNOENGLISH
ESTPROPPERSONS5PLUSNOENGLISH_SE
ESTPROPHOUSEHOLDSNOAUTO

ESTPROPHOUSEHOLDSNOAUTO_SE
DISTANCE
AADT
ROADTYPE
ROUTE_ID
SPEED
THROUGH_LANES
O3_ANNUAL_AVERAGE
O3_N_OBS
PM25_ANNUAL_AVERAGE
PM25_N_OBS

<https://github.com/NCATS-Tangerine/icees-api/tree/master/config>

Description
HASH_VALUE. De-identified ID for participant
IN_FINAL_SAMPLE. Participant is in the final sample (n=2,704)
ORIGINAL_ANALYTIC_SAMPLE. Indicator of whether ID is in the original analytic sample with roadway data (n=2,668)
TLR4_AGE. TLR4 Age
GENDER. Gender
RACE. Race
ETHNICITY. Ethnicity
CURRENT_AGE. Current Age
CURRENT_STREETADDRESS1. Current Street Address 1
CURRENT_STREETADDRESS2. Current Street Address 2
CURRENT_CITY. Current City
CURRENT_STATE. Current State
CURRENT_ZIP_CODE. Current Zip Code
CURRENT_COUNTRY. Current Country
RESPONDER_STATUS. Responder Status
QXAGE. Age at questionnaire completion
HE_COMPLETION_DATE. Date of H&E survey completion
BMI. Body mass index
BMI_CATEGORY. BMI Category
D28_ASTHMA. Asthma
D28A_ASTHMA_AD_TEXT. At what age were you diagnosed with asthma?
D28B_STILL_HAVE_ASTHMA. Do you still have asthma?
D28C_ASTHMA_EPISODE_12M. In the past 12 months, have you had an episode of asthma or an asthma attack?
D28D_ASTHMA_ER_VISIT_12M. In the past 12 months, have you visited the ER or an Urgent Care center because of asthma?
D28E_ASTHMA_MED_TAKE_12M. In the past 12 months, have you taken medication prescribed by a doctor or other health care provider because of asthma?
D28F_ASTHMA_14D_NUM_NIGHTS_TEXT. In the last 14 days, how many nights did you wake up because of asthma, wheezing, or tightness in the chest?
D28G_ASTHMA_14D_LIMIT_DAYS_TEXT. In the last 14 days, how many days did you have to slow down or stop play or work because of asthma, wheezing, or tightness in the chest?
D28H_ASTHMA_14D_NUM_WHEEZE_TEXT. In the last 14 days, how many days did you have wheezing or tightness in the chest?
S177_SMOKE_100_CIG_LIFETIME. In your lifetime, have you smoked at least 100 cigarettes?
SMOKE_CAT. Has participant ever smoked?
SNP1. SNP1
SNP2. SNP2
SNP3. SNP3
SNP4. SNP4
TLR4_LAT. TLR4 Latitude
TLR4_LONG. TLR4 Longitude
TLR4_DIST_1X. TLR4 Distance 1x
TLR4_DIST_2X. TLR4 Distance 2x
TLR4_DIST_3X. TLR4 Distance 3x
GEOID. Socioeconomic API: A FIPS-like code for identifying census block group
ESTTOTALPOP. Socioeconomic API: Estimated population count
ESTTOTALPOP_SE. Socioeconomic API: Standard error of estimated population count
ESTTOTALPOP25PLUS. Socioeconomic API: Estimated population count that are age 25 and older
ESTTOTALPOP25PLUS_SE. Socioeconomic API: Standard error of estimated population count that are age 25 and older
ESTPROPPERSONSNONHISPWHITE. Socioeconomic API: Estimated proportion of households headed by non-Hispanic white
ESTPROPPERSONSNONHISPWHITE_SE. Socioeconomic API: Standard error of estimated proportion of households headed by non-Hispanic white
MEDIANHOUSEHOLDINCOME. Socioeconomic API: Estimated median household income
MEDIANHOUSEHOLDINCOME_SE. Socioeconomic API: Standard error of estimated median household income
ESTPROPPERSONSNOHEALTHINS. Socioeconomic API: Estimated proportion of adults without health insurance
ESTPROPPERSONSNOHEALTHINS_SE. Socioeconomic API: Standard error of estimated proportion of adults without health insurance
ESTPROPPERSONS25PLUSHSMAX. Socioeconomic API: Estimated proportion of adults age 25 or higher with at most a high school education
ESTPROPPERSONS25PLUSHSMAX_SE. Socioeconomic API: Standard error of estimated proportion of adults age 25 or higher with at most a high school education
ESTPROPPERSONS5PLUSNOENGLISH. Socioeconomic API: Estimated proportion of people speaking a language other than English at home
ESTPROPPERSONS5PLUSNOENGLISH_SE. Socioeconomic API: Standard error of estimated proportion of people speaking a language other than English at home
ESTPROPHOUSEHOLDSNOAUTO. Socioeconomic API: Estimated proportion of adults without a car

ESTPROPHOUSEHOLDSNOAUTO_SE.Socioeconomic API: Standard error of estimated proportion of adults without a car
DISTANCE. Proximity API: Distance in meters(m) to nearest roadway(up to 500m)
AADT.Proximity API: Annual Average Daily Traffic
ROADTYPE.Proximity API: Road Type
ROUTE_ID.Proximity API: Route ID
SPEED.Proximity API: Maximum Speed Limit
THROUGH_LANES.Proximity API: Total Number of Lanes
O3_ANNUAL_AVERAGE.CMAQ API: Average of Daily Ozone (ug/m3) Maximums from 1-1-2014 to 12-31-2014
O3_N_OBS. CMAQ API: Number of observations included in the Ozone Average calculation
PM25_ANNUAL_AVERAGE.CMAQ API: Average of Daily PM2.5 (ppbV) Averages from 1-1-2014 to 12-31-2014
PM25_N_OBS. CMAQ API: Number of observations included in the PM2.5 Average calculation

## Include in Analysis

no

no

no

no

yes

yes

yes

no

no

no

no

no

no

no

??

yes

yes, for filtering of respondents by closeness of HE completion time to environmental exposure time

yes

yes

ima?

th careprofessional for asthma?

eezing or tightness in thechest, or cough?

activities because of asthma,wheezing, or tightness in the chest or cough?

re chest orcough?

yes

yes

yes

yes

no

no

yes

yes

yes

no

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

phase 2

yes

phase 2

phase 2

phase 2

phase 2

phase 2

yes

no

yes

no

Comments

Age at which TLR4 was genotyped