

CLEANED/DERIVED VARIABLE METADATA TOP SHEET

For Submission to the NSHD Scientific Support Team

Date of submitting documentation	07/06/2019
Categories of variables*: (may be more than one)	UPSIT
Summary of work undertaken	<ul style="list-style-type: none"> • See methods below • All returned booklets were marked by a member of the study team and updated to XNAT • Any participants with missing scores: TP searched for any unmarked booklets to ensure all returned booklets were marked • Excel spreadsheet generated by TP
Source data file(s)	<ul style="list-style-type: none"> • UPSIT booklets • XNAT
Date source file(s) created:	07/06/2019
Names of source variables	<ul style="list-style-type: none"> • Xnat (participant number) • Upsit (score out of 40, missing data -99) • change_smell (recent subjective change in sense of smell) • reason data missing/test not done
Syntax provided	No
Location of syntax file	N/A
Date syntax file created:	N/A
Format of syntax	N/A
Output variables (please list names of new variables created)	Same as source variables
Output data file provided	Yes
Date output file created:	07/06/2019
Location of output file	N:\Test Data and Video Files\Phase 1\3_Cleaned Data\Insight46_upsit_cleaned_final_20190607
Format of output file	excel
Documentation provided	N/A
List any papers in which cleaned/derived variables have been used	nil

Prior to olfactory testing participants were asked whether they had noticed a decline in their sense of smell over the past few years? In addition, participants were prospectively excluded and did not undertake smell testing if they provided a clear history one of the following: nasal bone fracture; nasal surgery; current diagnosis of rhinitis or nasal polyps; or another chronic nasal condition that could potentially affecting olfactory function.

The University of Pennsylvania Smell Identification Test (UPSIT) was used to assess olfactory function. The UPSIT is a commercially available, well-established, reliable, and standardized olfactory test that can be self-administered. The 'British' version was selected as the most culturally appropriate to the NSHD. Each test comprises four booklets with one odorant (embedded in 10–50-micron diameter microcapsules fixed in a proprietary binder and positioned on brown strips) at the bottom of each page (ten pages per booklet). Accompanying each strip is a multiple-choice question with four responses following an alternative forced choice paradigm. Packs were provided to participants to complete at home and returned using a stamped address envelope provided. All participants were advised if they had or developed an upper respiratory tract infection to complete the test after being symptom free for 2 weeks. If a participant only completed 38 or 39 items, a score of 0.25 was assigned for each missing item. If a participant completed 37 or less items, they were excluded from the analysis.