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NIH Toolbox Odor Identification Test (OIT)

Availability:	Please visit this website for more information about this instrument: NIH Toolbox website
Classification:	Supplemental: Acute Hospitalized, Concussion/Mild TBI, Epidemiology, Moderate/Severe TBI: Rehabilitation Traumatic Brain Injury (TBI)
Short Description of Instrument:	The NIH Toolbox Odor Identification Test (OIT) assesses an individual’s ability to identify various odors. Participants use scratch ‘n’ sniff cards and after scratching them one at a time, are asked to identify which of four pictures on the computer screen matches the odor they have just smelled. Participants aged 10–85 are administered nine odor cards, while those aged 3–9 are administered five odor cards. Child participants (ages 3–9 years) are first asked to identify the eight pictures that are used as answer choices, to ensure they can complete the task. Having identified the pictures, they are asked if they have tasted or smelled the objects or foods depicted. The OIT takes approximately 4 to 5 minutes to administer and is recommended for ages 3–85 (NIH, 2012).
Scoring:	Scoring: Scores are calculated by summing the total number of correct items. Score range, 3–9 = 0 to 5; score range for ages 10 and above = 0 to 9.
References:	<p>References:</p> <p>Cain, W. S. (1982). Sumner's "On testing the sense of smell" revisited. <i>Yale J Biol Med</i>, 55(5-6), 515-519.</p> <p>Cain, W. S., & Krause, R. J. (1979). Olfactory testing: rules for odor identification. <i>Neurol Res</i>, 1(1), 1-9.</p> <p>Croy, I., Zehner, C., Larsson, M., Zucco, G. M., & Hummel, T. (2015). Test-Retest Reliability and Validity of the Sniffin' TOM Odor Memory Test. <i>Chem Senses</i>, 40(3), 173-179. doi: 10.1093/chemse/bju069</p> <p>NIH. (2012). NIH Toolbox Odor Identification Test. Retrieved 3/11, 2015, from http://www.nihtoolbox.org/WhatAndWhy/Sensation/Olfaction/Pages/NIH-Toolbox-Odor-Identification-Test.aspx</p> <p>Sumner, D. (1962). On testing the sense of smell. <i>Lancet</i>, 2(7262), 895-897.</p>