

What's New and Different?

The *Updated Tables* in this release include several chemicals that have results available from one or more of the three survey periods of 2005-2006, 2007-2008, and 2009-2010. New chemicals measured for the first time include one serum polybrominated diphenyl ether (PBDE), three serum polychlorinated biphenyls (PCBs), five polybrominated dioxins, and five polybrominated furans. Chemicals with updated data in this release are the serum dioxin-like and non-dioxin-like chemicals, serum PBDEs and PBB 153, serum organochlorine pesticides, urinary dialkylphosphate metabolites of organophosphorus pesticides, and urinary phytoestrogens and metabolites.

Beginning with the 2005-2006 survey period, measurement of a number of chemicals was made on pooled serum samples (see [Special Analysis of Pooled Samples for Select Chemicals](#)). Many of these chemicals were measured in individual samples prior to the 2005-2006 survey period: non-dioxin-like PCBs; dioxins, furans, and dioxin-like PCBs; PBDEs and PBB 153; and organochlorine pesticides. Serum polybrominated dioxins and furans were measured in pooled samples for the first time in the 2005-2006 survey period. Several organochlorine pesticides (e.g., aldrin, dieldrin, *o,p'* DDT, endrin, and heptachlor epoxide) were not measured in the pooled samples because they were largely undetected in previous NHANES survey periods.

NHANES made changes in oversampling of population subgroups for the 2007-2010 survey periods. Beginning in 2007, adolescents were no longer oversampled, and all Hispanics were oversampled, rather than just Mexican American persons. As a result of these changes, the numbers of participants in subsamples, particularly 12-19 year olds, may be smaller than in survey periods prior to NHANES 2007-2008. More information about in the NHANES 2007-2010 survey design are available from http://www.cdc.gov/nchs/data/nhanes/analyticnote_2007-2010.pdf.

CDC has learned that the analytical standard for Perfluorononanoic acid (PFNA) used for all CDC projects since the mid 2000's had a lower purity than previously described. As a result, a correction factor equal to 0.82 has been applied to PFNA for the NHANES periods 2007-2008, and 2009-2010. Consequently, the data tables in these *Updated Tables* for PFNA show results that are slightly different from the data tables presented in the *Fourth National Report on Human Exposure to Environmental Chemicals, 2009, Updated Tables, February 2013*, and in all of the *Updated Tables* since February 2011.

For the information in this section, "What's New and Different," contained in previous releases of *Updated Tables*, please see the Archives from *Updated Tables* at: <http://www.cdc.gov/exposurereport/>.