3M Research -- Human Studies

General Population Exposure

3M has conducted several studies on levels in the general population exposure, including studies characterizing levels found in the blood serum of adults, children and the elderly:


- Olsen, G.W., Church, T.R., Hansen, K.J., Burris, J.M., Butenhoff, J.L., Mandel, J.H., and Zobel, L.R. “Quantitative evaluation of perfluorooctanesulfonate (PFOS) and other fluorochemicals in the serum of children,” *Journal of Children’s Health* 2:53-76, 2004; and


3M has also evaluated historical trends in serum levels, and the distribution between liver and serum in the body:

- Olsen, G.W., Huang, H., Helzlsouer, K.J., Hansen, K.J., Butenhoff, J.L., and Mandel, J.H. “Historical Comparison of Perfluorooctanesulfonate, Perfluorooctanoate, and Other Fluorochemicals In Human Blood,” *Environmental Health Perspectives* 113(5):539-45, 2005; and


Most recently, in a pilot study, 3M has documented evidence of a decline in general population serum levels in samples collected in 2005: