

Preliminary Results of the PFC Blood Testing Program for the Pease Tradeport and Southern New Hampshire Communities



The New Hampshire Department of Health and Human Services (DHHS) is mailing test results to 322 individuals who have participated in the 2016 DHHS perfluorochemicals (PFC) blood testing program. This initial batch includes test results for 175 individuals from the Pease Tradeport and 147 individuals from Southern NH communities.

Below is a summary of the preliminary results of the 2016 PFC blood testing program to provide additional information and context about relative levels of PFC

exposure in the affected communities. The preliminary results for residents of Pease and in Southern NH are compared to the results from the 2015 Pease testing population as well as the to the general U.S. population in 2011–2012. The comparisons include average and 95th percentile PFC levels. The 95th percentile represents the level at which most participants tested below. The DHHS PFC blood testing program is ongoing and these results will change as additional test results are available.

Southern NH Preliminary Results Summary

- Individuals tested from Southern New Hampshire had higher levels of PFOA exposure—average and 95th percentile—compared with the general U.S. population in 2011–2012, but not PFOS or PFHxS. PFOA contamination was discovered around the Saint-Gobain Performance Plastics facility in Merrimack in March 2016. Additional communities

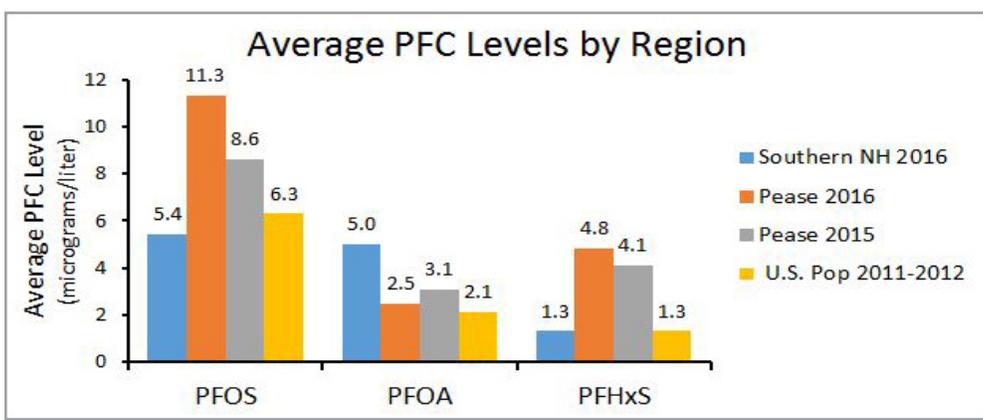
- subsequently have had drinking water tested for PFC contamination.
- PFOA levels in Southern NH are lower than levels seen in other environmentally exposed communities around the U.S, including in Bennington, VT and Hoosick Falls, NY.

Pease Tradeport 2016 Preliminary Results Summary

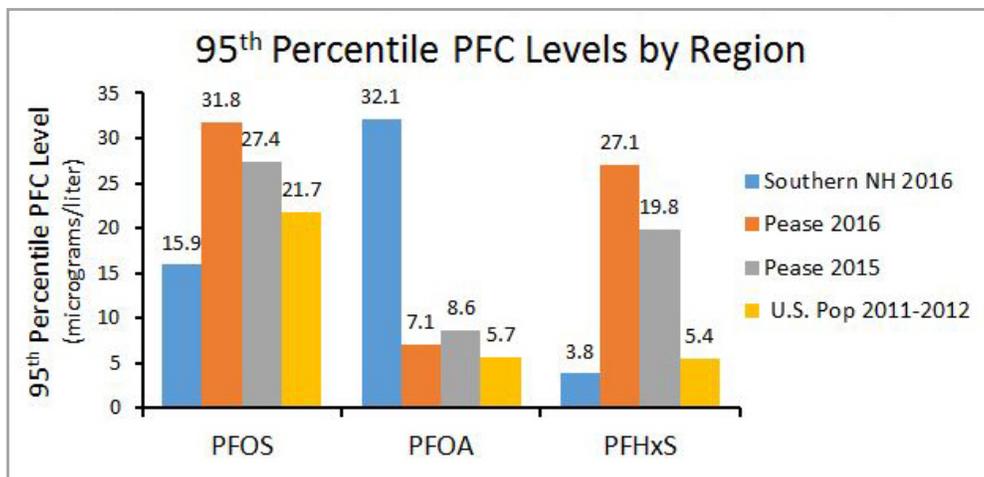
- The Pease Tradeport individuals tested thus far in 2016 showed higher levels of PFOS, PFOA, and PFHxS compared with the general U.S. population in 2011–2012. These results are consistent with PFC blood testing of the Pease community in 2015. PFOS, PFOA and PFHxS were detected at higher levels in one of the drinking water wells tested at Pease in 2014.
- Average PFOS and PFOA levels in the Pease Tradeport population tested in both 2015 and 2016 are lower than those found in other environmentally

- exposed communities.
- PFHxS levels in Pease Tradeport testing in 2016 are higher than U.S. population levels in 2011–2012 as illustrated in the higher average and 95th percentile.
- The levels of PFCs in the Pease Tradeport population from 2015 and 2016 may not be directly comparable because the two populations were self-selected over different time periods, are different sample sizes, and are not part of a randomly sampled scientific exposure assessment.

Comparing Average Levels for Southern NH, Pease 2016, Pease 2015, and General U.S. Population



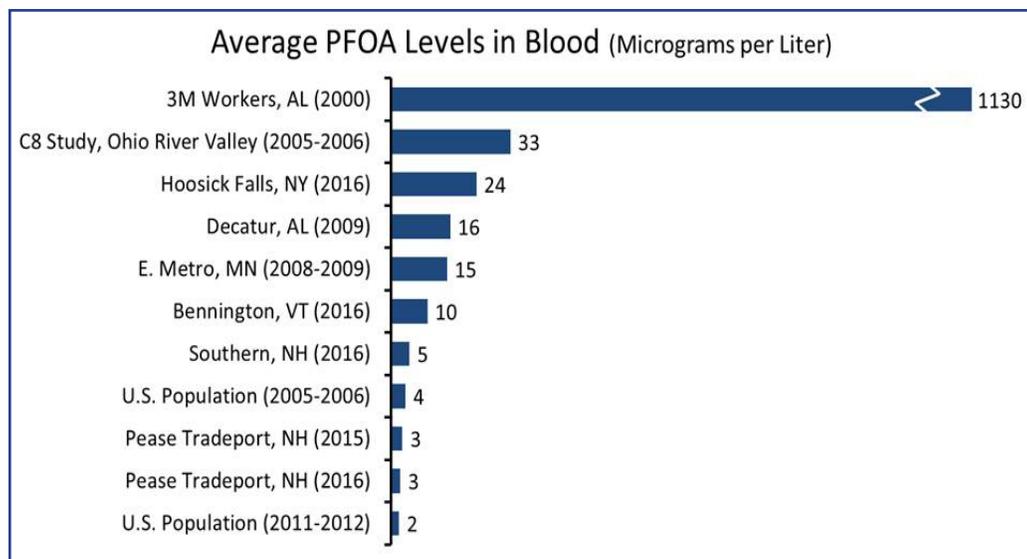
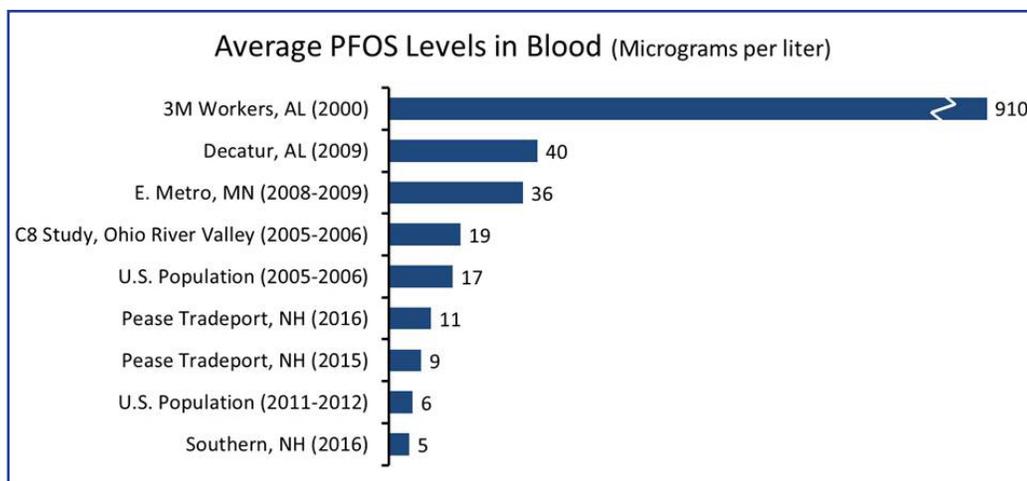
Comparing 95th Percentile Levels for Southern NH, Pease 2016, Pease 2015, and General U.S. Population

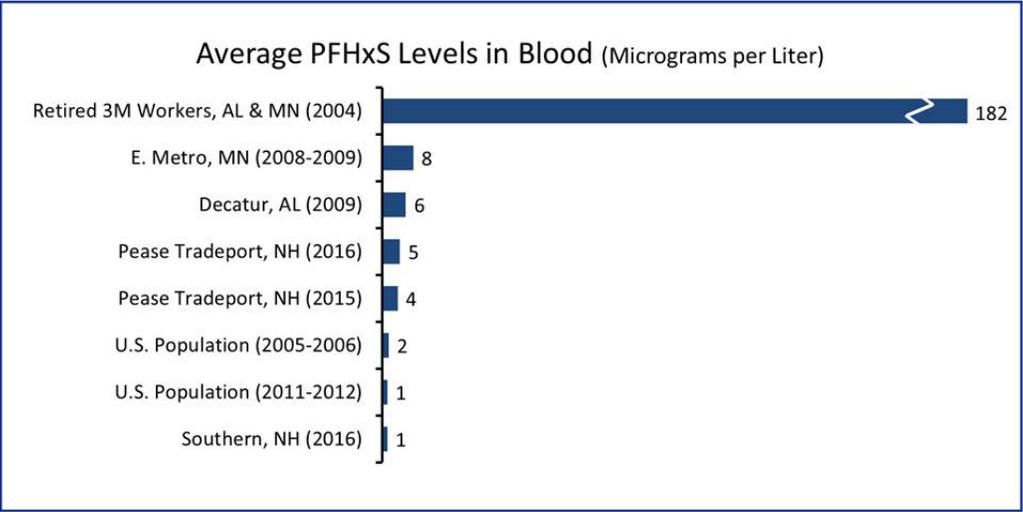


PFC Levels in Other Populations

Below are graphs showing PFOS, PFOA, and PFHxS levels in other population groups, exposed and not exposed, around the country, compared with the New

Hampshire groups tested. For more information about the comparison populations, visit <http://www.dhhs.nh.gov/dphs/documents/public-comp-slides.pdf>.





Additional Resources

For more information about PFCs and the blood testing program, visit <http://www.dhhs.nh.gov/dphs/pfcs/index.htm>.