

Supplemental information regarding cancer analyses

Below are the quartile cutpoints, and mean/medians for the quartiles (no lag), for the categorical analyses of testicular, thyroid, and kidney cancer which were used in the probable link cancer analyses of the C8 Science Panel cohort study of cancer, and which were later published in Barry et al. 2013* (Table 5). The means and medians are weighted by the amount of person-time spent by cohort members in the respective quartiles.

*Barry V, Winquist A, Steenland K. Perfluorooctanoic acid (PFOA) exposures and incident cancers among adults living near a chemical plant. Environ Health Perspect. 2013 Nov-Dec;121(11-12):1313-8.

Testicular cancer cutpoints

Cumulative PFOA at time of testicular cancer diagnosis (ng/mL-years)	Mean of quartile (SD)	Median of quartile (range)
0 to <150.398	108.8 (27.3)	101.8 (81.9 – 150.4)
150.398 to < 876.516	505.7 (283.5)	475.4 (195.5 – 876.5)
876.516 to < 4423.47	1740.4 (520.1)	1789.5 (1197.4 – 2234.2)
≥4423.47	7250.5 (4995.5)	5214.1 (4423.5 – 16141.9)

Thyroid cancer cutpoints

Cumulative PFOA at time of thyroid cancer diagnosis (ng/mL-years)	Mean of quartile (SD)	Median of quartile (range)
0 to <155.35	98.0 (47.3)	106.6 (4.8 – 155.30)
155.35 to <340.506	231.1 (54.1)	214.3 (163.0 – 331.6)
340.506 to <2321.09	738.6 (405.4)	512.2 (349.4 – 1558.0)
≥2321.09	7908.4 (6486.3)	5201.4 (2321.1 – 29623.6)

Kidney cancer cutpoints

Cumulative PFOA at time of kidney cancer diagnosis (ng/mL-years)	Mean of quartile (SD)	Median of quartile (range)
0 to <218.69	146.6 (52.2)	144.4 (46.1 – 218.7)
218.69 to < 811.548	453.0 (203.5)	377.1 (218.7 – 805.4)
811.548 to <5358.02	2179.7 (1132.5)	2147.6 (817.7 – 5358.0)
≥5358.02	13135.0 (13095.5)	10292.7 (5524.8 – 60072.8)