

## Urinary Bisphenol F (2013 - 2016)†

CAS Number 80-05-7

Geometric mean and selected percentiles of urine concentrations (in µg/L) for the U.S. population from the National Health and Nutrition Examination Survey.

Demographic Categories	Survey (Years)	Geometric Mean (95% CI)	50th Percentile (95% CI)	75th Percentile (95% CI)	90th Percentile (95% CI)	95th Percentile (95% CI)	Sample Size
Total population	13-14	.532 (.460-.616)	.400 (.300-.500)	1.10 (.900-1.40)	4.00 (2.80-5.30)	9.80 (6.50-16.1)	2682
Total population	15-16	*	<LOD	.800 (.600-.900)	2.90 (2.20-4.30)	8.20 (6.10-13.3)	2651
Age 3-5 years	15-16	*	<LOD	.300 (<LOD-.700)	.900 (.500-1.10)	1.10 (.700-52.9)	141
Age 6-11 years	13-14	.421 (.343-.516)	.300 (.200-.400)	.900 (.600-1.30)	2.30 (1.50-3.30)	3.90 (3.00-6.10)	409
Age 6-11 years	15-16	*	<LOD	.500 (.300-.700)	1.50 (.800-2.50)	2.80 (1.50-9.60)	415
Age 12-19 years	13-14	.567 (.458-.701)	.400 (.300-.600)	1.20 (1.00-1.50)	5.30 (2.50-8.40)	8.80 (6.50-18.7)	461
Age 12-19 years	15-16	*	.200 (<LOD-.400)	1.00 (.500-2.50)	6.10 (2.40-16.5)	17.2 (6.10-34.7)	405
Age 20+ years	13-14	.541 (.457-.641)	.400 (.300-.500)	1.20 (.900-1.50)	4.20 (2.60-6.30)	12.2 (6.00-21.4)	1812
Age 20+ years	15-16	*	<LOD	.800 (.600-1.00)	2.90 (2.00-5.10)	7.80 (5.90-14.4)	1690
Male	13-14	.582 (.505-.671)	.400 (.400-.500)	1.20 (1.10-1.40)	5.10 (3.00-6.50)	12.4 (7.00-17.7)	1284
Male	15-16	*	<LOD	.900 (.600-1.20)	3.70 (2.40-7.40)	14.4 (6.40-19.5)	1307
Female	13-14	.489 (.401-.596)	.300 (.300-.500)	1.00 (.700-1.50)	3.30 (2.40-4.60)	8.90 (4.50-21.4)	1398
Female	15-16	*	<LOD	.600 (.500-.800)	2.60 (1.50-4.20)	6.40 (5.10-7.70)	1344
Mexican American	13-14	*	.300 (<LOD-.400)	.600 (.400-1.10)	1.90 (1.00-5.10)	5.30 (1.90-14.9)	438
Mexican American	15-16	*	<LOD	.300 (.300-.400)	1.30 (.800-2.60)	4.30 (1.70-7.90)	513
Non-Hispanic Black	13-14	.607 (.540-.683)	.400 (.400-.500)	1.30 (1.10-1.70)	5.40 (3.50-8.90)	14.6 (8.10-26.4)	608
Non-Hispanic Black	15-16	*	.300 (<LOD-.400)	1.10 (.700-1.90)	5.90 (2.30-10.8)	12.1 (7.60-22.7)	610
Non-Hispanic White	13-14	.581 (.473-.713)	.400 (.300-.600)	1.30 (1.00-1.60)	4.30 (2.70-6.50)	12.4 (5.70-24.1)	987
Non-Hispanic White	15-16	*	<LOD	.800 (.600-1.00)	3.20 (2.20-5.50)	10.3 (5.50-18.5)	781
All Hispanic	13-14	*	.300 (.200-.400)	.700 (.500-1.10)	2.50 (1.40-5.90)	8.20 (4.10-18.0)	690
All Hispanic	15-16	*	<LOD	.400 (.300-.500)	1.30 (1.00-1.80)	3.80 (2.00-6.60)	859
Non-Hispanic Asian	13-14	*	<LOD	.400 (.300-.700)	1.10 (.600-2.00)	2.10 (1.10-7.00)	287
Non-Hispanic Asian	15-16	*	<LOD	.200 (<LOD-.400)	1.10 (.700-1.30)	1.70 (.900-3.30)	275

Limit of detection (LOD, see Data Analysis section) for Survey year 13-14 and 15-16 are 0.200 and 0.200 respectively.

<LOD means less than the limit of detection, which may vary for some chemicals by year and by individual sample.

\* Not calculated: proportion of results below limit of detection was too high to provide a valid result.

† Participants are age 6+ in Survey 11-12 and 13-14, while participants are 3+ in Survey 15-16.

## Urinary Bisphenol F (creatinine corrected) (2013 - 2016)†

CAS Number 80-05-7

Geometric mean and selected percentiles of urine concentrations (in µg/g of creatinine) for the U.S. population from the National Health and Nutrition Examination Survey.

Demographic Categories	Survey (Years)	Geometric Mean (95% CI)	50th Percentile (95% CI)	75th Percentile (95% CI)	90th Percentile (95% CI)	95th Percentile (95% CI)	Sample Size
Total population	13-14	0.534 (.471-.606)	.444 (.385-.515)	1.07 (.899-1.21)	3.33 (2.39-4.76)	8.39 (5.90-12.0)	2680
Total population	15-16	*	<LOD	.737 (.645-.857)	2.57 (1.91-3.52)	7.78 (5.97-9.70)	2650
Age 3-5 years	15-16	*	<LOD	.933 (<LOD-1.41)	1.88 (1.13-2.81)	2.78 (1.75-55.1)	140
Age 6-11 years	13-14	0.532 (.431-.656)	.452 (.360-.636)	1.19 (.798-1.74)	2.44 (1.91-3.49)	4.76 (3.48-10.0)	409
Age 6-11 years	15-16	*	<LOD	.652 (.538-.769)	1.68 (1.09-3.54)	5.88 (1.63-20.7)	415
Age 12-19 years	13-14	0.46 (.365-.580)	.388 (.287-.474)	1.06 (.680-1.46)	3.23 (1.85-5.17)	8.80 (3.31-14.4)	461
Age 12-19 years	15-16	*	.260 (<LOD-.385)	.706 (.410-1.86)	4.29 (1.56-7.91)	7.91 (4.10-21.9)	405
Age 20+ years	13-14	0.546 (.479-.622)	.464 (.395-.526)	1.06 (.875-1.21)	3.40 (2.29-5.03)	8.75 (5.70-13.8)	1810
Age 20+ years	15-16	*	<LOD	.746 (.636-.889)	2.33 (1.71-3.56)	7.78 (5.45-10.7)	1690
Male	13-14	0.489 (.426-.563)	.398 (.311-.492)	.994 (.783-1.16)	3.98 (2.63-5.17)	9.47 (6.81-13.8)	1283
Male	15-16	*	<LOD	.725 (.583-1.04)	3.00 (1.82-5.83)	11.3 (6.66-14.5)	1307
Female	13-14	0.581 (.497-.678)	.494 (.421-.583)	1.11 (.896-1.40)	3.09 (2.11-4.10)	6.97 (3.89-14.1)	1397
Female	15-16	*	<LOD	.738 (.606-.923)	2.21 (1.57-3.06)	5.46 (4.26-7.78)	1343
Mexican American	13-14	*	.308 (<LOD-.400)	.667 (.497-.875)	1.75 (.995-3.61)	4.22 (2.02-6.73)	438
Mexican American	15-16	*	<LOD	.483 (.376-.612)	1.37 (.943-2.17)	4.20 (1.95-6.92)	513
Non-Hispanic Black	13-14	0.449 (.392-.515)	.350 (.304-.389)	.980 (.758-1.27)	3.24 (2.37-4.67)	8.28 (4.67-12.1)	608
Non-Hispanic Black	15-16	*	.292 (<LOD-.343)	.781 (.566-1.23)	3.89 (2.24-6.02)	9.27 (4.73-14.6)	609
Non-Hispanic White	13-14	0.611 (.515-.726)	.517 (.424-.612)	1.14 (.994-1.43)	3.89 (2.63-6.50)	10.8 (5.90-15.3)	986
Non-Hispanic White	15-16	*	<LOD	.792 (.645-1.13)	2.90 (1.82-5.00)	8.22 (5.45-13.8)	781
All Hispanic	13-14	*	.308 (.255-.395)	.698 (.526-.933)	2.02 (1.41-4.05)	5.56 (3.00-16.0)	690
All Hispanic	15-16	*	<LOD	.500 (.424-.588)	1.32 (1.08-1.54)	3.14 (1.95-5.32)	859
Non-Hispanic Asian	13-14	*	<LOD	.672 (.492-.843)	1.31 (.843-2.90)	2.00 (1.17-7.78)	286
Non-Hispanic Asian	15-16	*	<LOD	.500 (<LOD-.583)	.857 (.700-1.55)	1.74 (.857-5.88)	275

<LOD means less than the limit of detection for the urine levels not corrected for creatinine.

\* Not calculated: proportion of results below limit of detection was too high to provide a valid result.

† Participants are age 6+ in Survey 11-12 and 13-14, while participants are 3+ in Survey 15-16.