

Table 6

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Table 6: Acute exposure to sum of T-2 and HT-2 from processed barley, “oats combined” (combination of processed oat grains and unprocessed oat grains with reduction factor), and processed wheat based on DNSYIC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call for evidence ($\mu\text{g}/\text{kg}$ bw/day; LB-UB).

Infants (4-18 months) (n=2683)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
"Oats combined"++	4526	22.95 - 30.00	0.014-0.018	0.078-0.10
Processed wheat	454	0 -2.00	0-0.0035	0-0.011
Processed barley grains	25	0 -10.00	0-0.00031	0-0.0016
"All grains"	NA	NA	0.014-0.021	0.078-0.10

Toddlers (1.5-3 years) (n=1157)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
"Oats combined"++	4526	22.95 - 30.00	0.013 - 0.017	0.072 - 0.094
Processed wheat	454	0 -2.00	0-0.0058	0-0.014
Processed barley grains	25	0 -10.00	0-0.00038	0-0.0036
"All grains"	NA	NA	0.013-0.022	0.072-0.097

Children (4-10 years) (n=2537)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
"Oats combined"++	4526	22.95 - 30.00	0.0084 - 0.011	0.045 - 0.059
Processed wheat	454	0 -2.00	0-0.0054	0- 0.012
Processed barley grains	25	0 -10.00	0- 0.00027	0- 0.0022
"All grains"	NA	NA	0.0084- 0.016	0.045- 0.062

Older Children (11-18 years) (n=2657)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
"Oats combined"++	4526	22.95 - 30.00	0.0034 - 0.0045	0.021 - 0.028
Processed wheat	454	0 -2.00	0-0.0033	0-0.0081
Processed barley grains	25	0 -10.00	0- 0.00058	0- 0.0013

“All grains”	NA	NA	0.0034- 0.0077	0.021- 0.032
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Adults (19-64 years) (n=5094)

Food groups	Count of T-2 HT- 2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
“Oats combined”++	4526	22.95 – 30.00	0.0035 – 0.0046	0.021 – 0.027
Processed wheat	454	0 -2.00	0-0.0022	0-0.0055
Processed barley grains	25	0 -10.00	0-0.011	0- 0.16
“All grains”	NA	NA	0.0035- 0.017	0.021- 0.16

Older Adults (65+ years) (n=1538)

Food groups	Count of T-2 HT- 2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
“Oats combined”++	4526	22.95 – 30.00	0.0043- 0.0057	0.020 – 0.026
Processed wheat	454	0 -2.00	0-0.0017	0-0.0040

Processed barley grains	25	0 -10.00	0-0.013	0-0.18
“All grains”	NA	NA	0.0043-0.020	0.020-0.19

Adult Vegetarians / Vegans (19-64 years) (n=170)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
“Oats combined”++	4526	22.95 – 30.00	0.0063 – 0.0082	0.032 – 0.042
Processed wheat	454	0 -2.00	0-0.0025	0-0.0053
Processed barley grains	25	0 -10.00	0-0.014	0-0.11
“All grains”	NA	NA	0.0063-0.024	0.032-0.12

Women of Childbearing age (16-49 years) (n=2556)

Food groups	Count of T-2 HT-2 data call samples (n)	Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
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“Oats combined” ++	4526	22.95 - 30.00	0.0033 - 0.020 - 0.0043 0.026
Processed wheat	454	0 -2.00	0-0.0022 0-0.0057
Processed barley grains	25	0 -10.00	0- 0.0021 0-0.0023
“All grains”	NA	NA	0.0033- 0.020- 0.0082 0.034

*Estimates have been rounded to 2 significant figures.

++ “Oats combined” - combination of processed oat grains and unprocessed oat grains with reduction factor (identical to “Oats combined” from Table 5 above).

LB - Lower bound: values below the limit of quantification (LOQ) are treated as zero; UB - Upper bound: values below the LOQ are treated as at the LOQ.