

Table 4

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Table 4: Chronic exposure

Chronic 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) (RPC) and processed wheat based on DNSYIC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call for evidence

(µg/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	0.0063-0.0083	0.039-0.051
Processed wheat grains	454	0 -2.00	0-0.0018	0-0.0062
Processed barley grains	25	0 -10.00	0-0.00010	0-0.00055
All grains sum NA		NA	0.0063-0.010	0.039-0.052

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	0.0060 – 0.0078	0.038 – 0.050
Processed wheat grains	454	0 -2.00	0-0.0032	0-0.0080
Processed barley grains	25	0 -10.00	0-0.00013	0-0.0011

All grains sum NA	NA	0.0060- 0.011	0.038- 0.053
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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	0.0038 - 0.0050	0.023 - 0.031
Processed wheat grains	454	0 -2.00	0-0.0031	0- 0.0073
Processed barley grains	25	0 -10.00	0- 0.00010	0- 0.00082
All grains sum NA	NA		0.0038- 0.0082	0.023- 0.035

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	0.0015 - 0.0019	0.010 - 0.013
Processed wheat grains	454	0 -2.00	0-0.0018	0-0.0043

Processed barley grains	25	0 -10.00	0- 0.00017	0- 0.00052
All grains sum	NA	NA	0.0015- 0.0039	0.010- 0.017

Adults (19-64 years) (n=5094)

		Count of T-2 HT-2 Median T-2/HT-2		
Food groups	data call samples (n)	concentration µg/kg LB-UB	Mean*	P97.5*
Oats combined ++	4526	22.95 - 30.00	0.0019 - 0.0024	0.013 - 0.017
Processed wheat grains	454	0 -2.00	0-0.0011	0-0.0029
Processed barley grains	25	0 -10.00	0-0.0039	0- 0.052
All grains sum	NA	NA	0.0019- 0.0075	0.013- 0.059

Elderly (65+ years) (n=1538)

		Count of T-2 HT-2 Median T-2/HT-2		
Food groups	data call samples (n)	concentration µg/kg LB-UB	Mean*	P97.5*
Oats combined ++	4526	22.95 - 30.00	0.0027 - 0.0035	0.014 - 0.018

Processed wheat grains	454	0 -2.00	0-0.00097	0-0.0024
Processed barley grains	25	0 -10.00	0-0.0054	0-0.071
All grains sum	NA	NA	0.0027-0.0099	0.014-0.075

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

Food groups	Count of data call samples (n)	T-2 HT-2 Median concentration µg/kg LB-UB	T-2/HT-2	
			Mean*	P97.5*
Oats combined ++	4526	22.95 – 30.00	0.0032 – 0.0042	0.019 – 0.025
Processed wheat grains	454	0 -2.00	0-0.0013	0-0.0031
Processed barley grains	25	0 -10.00	0-0.0036	0-0.035
All grains sum	NA	NA	0.0032-0.0091	0.019-0.047

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

Food groups	Count of data call samples (n)	T-2 HT-2 Median concentration µg/kg LB-UB	T-2/HT-2	
			Mean*	P97.5*

Oats combined ++	4526	22.95 - 30.00	0.0017 - 0.0022	0.011 - 0.014
Processed wheat grains	454	0 -2.00	0-0.0011	0-0.0028
Processed barley grains	25	0 -10.00	0- 0.00061	0-0.0010
All grains sum	NA	NA	0.0017- 0.0039	0.011- 0.019

*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 4 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.