

Table 5

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This is a draft statement for discussion. It does not reflect the final views of the Committee and should not be cited.

Table 5: 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 (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	0.014-0.018	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			

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 data call (n)	T-2 HT-2 samples concentration µg/kg LB-UB	Median T-2/HT-2	
			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 data call (n)	T-2 HT-2 samples concentration µg/kg LB-UB	Median T-2/HT-2	
			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

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

Food groups	Count of T-2 data call samples (n)	HT-2 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

Elderly (65+ years) (n=1538)

Food groups	Count of T-2 data call samples (n)	HT-2 Median T-2/HT-2 concentration µg/kg LB-UB	Mean*	P97.5*
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Oats combined ++	4526	22.95 – 30.00	0.0043– 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*
Oats combined ++	4526	22.95 – 30.00	0.0033 – 0.0043	0.020 – 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- 0.0082	0.020- 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