

Table 1

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Table 1: Chronic exposures

Chronic exposures to sum of T-2 and HT-2 from unprocessed oat grains and unprocessed oat grains with a reduction factor applied ($\mu\text{g/kg bw/day}$; LB-UB). Consumption data was based on DNSYIC and NDNS years 1-11, occurrence data was collected from the FSA's call for evidence.

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*
Unprocessed oats**	4083	170.44	0.047	0.29
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0061- 0.0083	0.038- 0.051

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*
Unprocessed oats**	4083	170.44	0.044	0.28
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0058 - 0.0078	0.037 - 0.050

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*
Unprocessed oats**	4083	170.44	0.028	0.17

Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0037 – 0.0050	0.023 – 0.031
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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*
Unprocessed oats**	4083	170.44	0.011	0.076
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0014 – 0.0019	0.0098 – 0.013

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*
Unprocessed oats**	4083	170.44	0.014	0.095
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0018 – 0.0024	0.012 – 0.017

Elderly (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*
Unprocessed oats**	4083	170.44	0.020	0.10
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0026 – 0.0035	0.013 – 0.018

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*
Unprocessed oats**	4083	170.44	0.024	0.14
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0031 – 0.0042	0.018 – 0.025

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*
Unprocessed oats**	4083	170.44	0.012	0.081
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0016 – 0.0022	0.011 – 0.014

*Estimates have been rounded to 2 significant figures.

**Unprocessed oat grains- oat grains without processing (raw primary commodity (RPC)).

+ Oat grains with reduction factor - unprocessed oat grains with reduction factor (85%) applied.

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.

** If single value is shown, it indicates that the exposures are based on detected values above the LOQ.

Table 1: Acute exposure

Acute exposure to the sum of T-2 and HT-2 from unprocessed oat grains and unprocessed oat grains with applied reduction factor based on DNSYIC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call for evidence ($\mu\text{g/kg bw/day}$; 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 $\mu\text{g/kg}$ LB-UB	Mean*	P97.5*
Unprocessed oats**	4083	170.44	0.10	0.58
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.013- 0.018	0.075- 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*
Unprocessed oats**	4083	170.44	0.096	0.54
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.013 – 0.017	0.070 – 0.094

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*
Unprocessed oats**	4083	170.44	0.063	0.33
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0081 – 0.011	0.043 – 0.059

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*
Unprocessed oats**	4083	170.44	0.025	0.16

Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0033 – 0.021 – 0.0045 0.028
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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*
Unprocessed oats**	4083	170.44	0.026	0.15
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0034 – 0.0046	0.020 – 0.027

Elderly (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*
Unprocessed oats**	4083	170.44	0.032	0.15
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0042 – 0.0057	0.019 – 0.026

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*
Unprocessed oats**	4083	170.44	0.047	0.24
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0061 – 0.0082	0.031 – 0.042

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*
Unprocessed oats**	4083	170.44	0.024	0.15
Unprocessed oats with reduction factor+	4083	22.20-30.00	0.0032 – 0.0043	0.019 – 0.026

*Estimates have been rounded to 2 significant figures.

**Unprocessed oat grains- oat grains without processing (raw primary commodity (RPC)).

+ Oat grains with reduction factor - unprocessed oat grains with reduction factor (85%) applied.

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.

** If single value is shown, it indicates that the exposures are based on detected values above the LOQ.