

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 ($\mu\text{g}/\text{kg}$ 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 |
|---|------|-------------|-----------------|---------------|

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 ($\mu\text{g}/\text{kg}$ 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 $\mu\text{g}/\text{kg}$ 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 |
|---|------|-------------|----------------------------------|

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 - 0.020 - 0.0046 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 - 0.019 - 0.0057 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.