

Table 9

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Table 9: Chronic risk to sum of T-2 and HT-2 from some cereal grains based on DNSYIC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call, expressed as x-fold of estimated chronic exposure as a percentage of the TDI of 0.02 µg/kg bw/day.

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

Food groups

Mean* P97.5

| | | |
|---|---------|------|
| Unprocessed oats | 2 | 15 |
| Unprocessed oats with reduction factor+ | 0.3-0.4 | 2-3 |
| “Oats combined”++ | 0.3-0.4 | 2-3 |
| “All grains” sum (unprocessed) | 0-3 | 0-15 |
| “All grains” sum (processed) | 0.3-0.5 | 2-3 |

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

| Food groups | Mean* P97.5 | |
|---|--------------------|------|
| Unprocessed oats | 2 | 14 |
| Unprocessed oats with reduction factor+ | 0.3-0.4 | 2-3 |
| “Oats combined”++ | 0.3-0.4 | 2-3 |
| “All grains” sum (unprocessed) | 0-3 | 0-15 |
| “All grains” sum (processed) | 0.3-0.6 | 2-3 |

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

| Food groups | Mean* P97.5 | |
|--------------------|--------------------|---|
| Unprocessed oats | 1 | 9 |

Unprocessed oats with reduction factor+ 0.2-0.3 1-2

“Oats combined”++ 0.2-0.3 1-2

“All grains” sum (unprocessed) 0-2 0-10

“All grains” sum (processed) 0.2-0.4 1-2

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

| Food groups | Mean* P97.5 | |
|---|--------------------|---------|
| Unprocessed oats | 0.5 | 4 |
| Unprocessed oats with reduction factor+ | 0.1 | 0.5-0.7 |
| “Oats combined”++ | 0.1 | 0.5-0.7 |
| “All grains” sum (unprocessed) | 0-1 | 0-5 |
| “All grains” sum (processed) | 0.1-0.2 | 0.5-0.9 |

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

| Food groups | Mean* P97.5 | |
|---|--------------------|---------|
| Unprocessed oats | 0.7 | 5 |
| Unprocessed oats with reduction factor+ | 0.1 | 0.6-0.9 |

| | | |
|--------------------------------|---------|---------|
| “Oats combined”++ | 0.1 | 0.7-0.9 |
| “All grains” sum (unprocessed) | 0-1 | 0-6 |
| “All grains” sum (processed) | 0.1-0.4 | 0.7-3 |

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

| Food groups | Mean* P97.5 | |
|---|--------------------|---------|
| Unprocessed oats | 1 | 5 |
| Unprocessed oats with reduction factor+ | 0.1-0.2 | 0.9 |
| “Oats combined”++ | 0.1-0.2 | 0.7-0.9 |
| “All grains” sum (unprocessed) | 0-2 | 0-8 |
| “All grains” sum (processed) | 0.1-0.5 | 0.7-4 |

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

| Food groups | Mean* P97.5 | |
|---|--------------------|-------|
| Unprocessed oats | 1 | 7 |
| Unprocessed oats with reduction factor+ | 0.2 | 0.9-1 |

| | | |
|--------------------------------|---------|-----|
| “Oats combined”++ | 0.2 | 1 |
| “All grains” sum (unprocessed) | 0-2 | 0-8 |
| “All grains” sum (processed) | 0.2-0.5 | 1-2 |

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

| Food groups | Mean* P97.5 | |
|---|--------------------|---------|
| Unprocessed oats | 0.6 | 4 |
| Unprocessed oats with reduction factor+ | 0.1 | 0.6-0.7 |
| “Oats combined”++ | 0.1 | 0.6-0.7 |
| “All grains” sum (unprocessed) | 0-1 | 0-5 |
| “All grains” sum (processed) | 0.1-0.2 | 0.6-1 |

*Estimates have been rounded to 1 significant figure; except in cases where the exceedance was <1.

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

++ “Oats combined” - combination of processed oat grains and unprocessed oat grains with reduction factor (85%) applied.

If single value is shown, this indicates that the exposures were based on detected values above the LOQ or exceedances at the LB and UP value were the same.

“All grains sum” refers to oat grains, wheat grain, and barley grain.