

# Annex 2 to TOX/2025/14

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**This is a paper for discussion. This does not represent the views of the Committee and should not be cited.**

## Annex 2 (Exposure to T-2 or HT-2, only, from RTE products)

**Table 2A:** Chronic exposure to T-2 from RTE products from DNSIYC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call.

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	91	0.00030	0.0010	0.0004
Biscuits, oatmeal	4	8.4	12.5	1441	0.0059	0.020	0.0088
Multigrain bread rolls	2	3.1	3.1	98	0.0027	0.0081	0.0027
Wheat bread rolls	2	3.1	3.1	435	0.0050	0.018	0.0050
Dried pasta	4	3.1	3.1	1140	0.0056	0.020	0.0056
Mixed breakfast cereals	3	5.0	8.9	1691	0.0095	0.036	0.017
Extruded breakfast cereals	4	5.0	10	338	0.0029	0.010	0.0057
Oat porridge	24	11.7	36.1	389	0.033	0.17	0.10

Plain cereal bars	2	5.9	8.7	5	0.0038	0.0056	0.0056
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Toddlers (1.5-3 years) (n=1157)

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	14	0.0043	0.0076	0.0062
Biscuits, oatmeal	4	8.4	12.5	566	0.0058	0.018	0.0086
Multigrain bread rolls	2	3.1	3.1	75	0.0053	0.019	0.0053
Wheat bread rolls	2	3.1	3.1	125	0.0063	0.021	0.0063
Dried pasta	4	3.1	3.1	602	0.0055	0.016	0.0055
Mixed breakfast cereals	3	5.0	8.9	983	0.0077	0.033	0.014

Extruded breakfast cereals	4	5.0	10	379	0.0032	0.010	0.0064
Oat porridge	24	11.7	36.1	70	0.038	0.14	0.12
Plain cereal bars	2	5.9	8.7	24	0.0032	0.0066	0.0046

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; *Max; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	211	0.0015	0.0049	0.0022
Biscuits, oatmeal	4	8.4	12.5	1472	0.0017	0.0059	0.0025
Multigrain bread rolls	2	3.1	3.1	530	0.0018	0.0051	0.0018
Wheat bread rolls	2	3.1	3.1	293	0.0017	0.0055	0.0017

Dried pasta	4	3.1	3.1	1677	0.0027	0.0075	0.0027
Mixed breakfast cereals	3	5.0	8.9	2935	0.0021	0.0078	0.0037
Extruded breakfast cereals	4	5.0	10	278	0.0011	0.0031	0.0022
Oat porridge	24	11.7	36.1	222	0.012	0.036	0.038
Plain cereal bars	2	5.9	8.7	135	0.00098	0.0031	0.0014

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration <math>\mu\text{g}/\text{kg}</math> (mean)</b>	<b>T-2 concentration <math>\mu\text{g}/\text{kg}</math> (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	11	0.0016	0.0032	0.0023
Biscuits, oatmeal	4	8.4	12.5	55	0.0018	0.0041	0.0026

Multigrain bread rolls	2	3.1	3.1	33	0.0020	0.0046	0.0020
Wheat bread rolls	2	3.1	3.1	10	0.0013	0.0033	0.0013
Dried pasta	4	3.1	3.1	64	0.0035	0.010	0.0035
Mixed breakfast cereals	3	5.0	8.9	98	0.0023	0.0058	0.0041
Extruded breakfast cereals	4	5.0	10	14	0.0010	0.0021	0.0020
Oat porridge	24	11.7	36.1	6	0.016	0.052	0.050
Plain cereal bars	2	5.9	8.7	2	0.0015	0.0016	0.0022

Exposure estimates have been rounded to 2 significant figures; concentrations have been rounded to one decimal place.

\*Mean/Max concentration.

**Table 2B:** Acute exposure to T-2 from RTE products from DNSIYC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call.

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	91	0.00073	0.0025	0.0011
Biscuits, oatmeal	4	8.4	12.5	1441	0.014	0.037	0.020
Multigrain bread rolls	2	3.1	3.1	98	0.0075	0.019	0.0075
Wheat bread rolls	2	3.1	3.1	435	0.011	0.032	0.011
Dried pasta	4	3.1	3.1	1140	0.018	0.056	0.018
Mixed breakfast cereals	3	5.0	8.9	1691	0.017	0.084	0.030
Extruded breakfast cereals	4	5.0	10	338	0.0069	0.022	0.014
Oat porridge	24	11.7	36.1	389	0.074	0.27	0.23

Plain cereal bars	2	5.9	8.7	5	0.011	0.021	0.017
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Toddlers (1.5-3 years) (n=1157)

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; *Mean P</b>
Plain muesli	3	4.0	5.9	14	0.0093	0.019	0.014 0
Biscuits, oatmeal	4	8.4	12.5	566	0.016	0.039	0.023 0
Multigrain bread rolls	2	3.1	3.1	75	0.012	0.032	0.012 0
Wheat bread rolls	2	3.1	3.1	125	0.014	0.035	0.014 0
Dried pasta	4	3.1	3.1	602	0.017	0.046	0.017 0
Mixed breakfast cereals	3	5.0	8.9	983	0.014	0.057	0.025 0

Extruded breakfast cereals	4	5.0	10	379	0.0072	0.020	0.014	0
Oat porridge	24	11.7	36.1	70	0.11	0.27	0.34	0
Plain cereal bars	2	5.9	8.7	24	0.011	0.023	0.016	0

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration µg/kg (mean)</b>	<b>T-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	211	0.0028	0.0070	0.0041	0
Biscuits, oatmeal	4	8.4	12.5	1472	0.0046	0.014	0.0068	0
Multigrain bread rolls	2	3.1	3.1	530	0.0040	0.010	0.0040	0
Wheat bread rolls	2	3.1	3.1	293	0.0040	0.0093	0.0040	0

Dried pasta	4	3.1	3.1	1677	0.0087	0.019	0.0087
Mixed breakfast cereals	3	5.0	8.9	2935	0.0038	0.013	0.0067
Extruded breakfast cereals	4	5.0	10	278	0.0025	0.0052	0.0051
Oat porridge	24	11.7	36.1	222	0.026	0.050	0.081
Plain cereal bars	2	5.9	8.7	135	0.0025	0.0080	0.0037

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

<b>Food groups</b>	<b>Count of T-2 data call samples (n)</b>	<b>T-2 concentration <math>\mu\text{g}/\text{kg}</math> (mean)</b>	<b>T-2 concentration <math>\mu\text{g}/\text{kg}</math> (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	4.0	5.9	11	0.0034	0.0057	0.0050
Biscuits, oatmeal	4	8.4	12.5	55	0.0052	0.011	0.0077

Multigrain bread rolls	2	3.1	3.1	33	0.0040	0.0068	0.0040
Wheat bread rolls	2	3.1	3.1	10	0.0039	0.0092	0.0039
Dried pasta	4	3.1	3.1	64	0.010	0.020	0.010
Mixed breakfast cereals	3	5.0	8.9	98	0.0045	0.015	0.0079
Extruded breakfast cereals	4	5.0	10	14	0.0025	0.0045	0.0050
Oat porridge	24	11.7	36.1	6	0.039	0.10	0.12
Plain cereal bars	2	5.9	8.7	2	0.0040	0.0053	0.0060

Exposure estimates have been rounded to 2 significant figures; concentrations have been rounded to one decimal place.

\*Mean/Max concentration.

**Table 2C:** Chronic exposure to HT-2 from RTE products from DNSIYC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call.

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration µg/kg (mean)</b>	<b>HT-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	17.3	39	91	0.0013	0.0044	0.0029
Biscuits, oatmeal	4	14.6	24.3	1441	0.010	0.034	0.017
Multigrain bread rolls	2	6.9	7	98	0.0059	0.018	0.0060
Wheat bread rolls	2	6.3	6.3	435	0.010	0.036	0.010
Dried pasta	4	6.3	6.3	1140	0.011	0.040	0.011
Mixed breakfast cereals	3	8.6	11.2	1691	0.016	0.062	0.021
Oat porridge	23	20.1	95.7	389	0.057	0.28	0.27
Infants' cereals	2	217.5	219	1128	0.70	2.9	0.71

Plain cereal bars	2	14.5	18.2	5	0.0093	0.014	0.012
Puffs/ curls type extruded snack	1	5.2	5.2	630	0.0023	0.0072	0.0023

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration <math>\mu\text{g}/\text{kg}</math> (mean)</b>	<b>HT-2 concentration <math>\mu\text{g}/\text{kg}</math> (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	17.3	39	14	0.018	0.033	0.041
Biscuits, oatmeal	4	14.6	24.3	566	0.010	0.032	0.017
Multigrain bread rolls	2	6.9	7	75	0.012	0.041	0.012
Wheat bread rolls	2	6.3	6.3	125	0.013	0.044	0.013
Dried pasta	4	6.3	6.3	602	0.011	0.033	0.011

Mixed breakfast cereals	3	8.6	11.2	983	0.013	0.056	0.017
Oat porridge	23	20.1	95.7	70	0.065	0.24	0.31
Infants' cereals	2	217.5	219	34	0.44	1.4	0.44
Plain cereal bars	2	14.5	18.2	24	0.0077	0.016	0.0097
Puffs/ curls type extruded snack	1	5.2	5.2	387	0.0023	0.0057	0.0023

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration µg/kg (mean)</b>	<b>HT-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; *Max; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	17.3	39	211	0.0065	0.021	0.015
Biscuits, oatmeal	4	14.6	24.3	1472	0.0030	0.010	0.0049

Multigrain bread rolls	2	6.9	7	530	0.0041	0.011	0.0041
Wheat bread rolls	2	6.3	6.3	293	0.0034	0.011	0.0034
Dried pasta	4	6.3	6.3	1677	0.0055	0.015	0.0055
Mixed breakfast cereals	3	8.6	11.2	2935	0.0036	0.013	0.0047
Oat porridge	23	20.1	95.7	222	0.021	0.061	0.10
Infants' cereals	2	217.5	219	2	0.032	0.042	0.032
Plain cereal bars	2	14.5	18.2	135	0.0024	0.0077	0.0030
Puffs/ curls type extruded snack	1	5.2	5.2	673	0.00064	0.0020	0.00064

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration µg/kg (mean)</b>	<b>HT-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	17.3	39	11	0.0067	0.014	0.015
Biscuits, oatmeal	4	14.6	24.3	55	0.0030	0.0070	0.0051
Multigrain bread rolls	2	6.9	7	33	0.0044	0.010	0.0045
Wheat bread rolls	2	6.3	6.3	10	0.0026	0.0067	0.0026
Dried pasta	4	6.3	6.3	64	0.0071	0.021	0.0071
Mixed breakfast cereals	3	8.6	11.2	98	0.0039	0.010	0.0051
Oat porridge	23	20.1	95.7	6	0.028	0.090	0.13
Infants' cereals	2	217.5	219	0	0	0	0

Plain cereal bars	2	14.5	18.2	2	0.0037	0.0039	0.0047
Puffs/ curls type extruded snack	1	5.2	5.2	22	0.00073	0.0011	0.00073

Exposure estimates have been rounded to 2 significant figures, concentrations have been rounded to one decimal place.

\*Mean/Max concentration.

**Table 2D:** Acute exposure to HT-2 from RTE products from DNSIYC and NDNS years 1-11 consumption data and occurrence data collected from the FSA call.

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

Food groups	Count of HT-2 data call samples (n)	HT-2 concentration $\mu\text{g}/\text{kg}$ (mean)	HT-2 concentration $\mu\text{g}/\text{kg}$ (max)	Consumers (n)	*Mean; Mean	*Mean; P97.5	*Max; Mean
Plain muesli	3	17.3	39	91	0.0031	0.011	0.0070
Biscuits, oatmeal	4	14.6	24.3	1441	0.023	0.064	0.039
Multigrain bread rolls	2	6.9	7	98	0.017	0.041	0.017

Wheat bread rolls	2	6.3	6.3	435	0.023	0.066	0.023
Dried pasta	4	6.3	6.3	1140	0.036	0.11	0.036
Mixed breakfast cereals	3	8.6	11.2	1691	0.029	0.14	0.038
Oat porridge	23	20.1	95.7	389	0.13	0.46	0.61
Infants' cereals	2	217.5	219	1128	1.4	5.2	1.4
Plain cereal bars	2	14.5	18.2	5	0.028	0.052	0.035
Puffs/ curls type extruded snack	1	5.2	5.2	630	0.0060	0.015	0.0060

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration µg/kg (mean)</b>	<b>HT-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
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Plain muesli	3	17.3	39	14	0.040	0.082	0.090
Biscuits, oatmeal	4	14.6	24.3	566	0.027	0.067	0.045
Multigrain bread rolls	2	6.9	7	75	0.027	0.071	0.028
Wheat bread rolls	2	6.3	6.3	125	0.029	0.071	0.029
Dried pasta	4	6.3	6.3	602	0.035	0.094	0.035
Mixed breakfast cereals	3	8.6	11.2	983	0.024	0.098	0.031
Oat porridge	23	20.1	95.7	70	0.19	0.47	0.91
Infants' cereals	2	217.5	219	34	1.0	2.6	1.0
Plain cereal bars	2	14.5	18.2	24	0.026	0.057	0.033

Puffs/ curls type extruded snack	1	5.2	5.2	387	0.0061	0.014	0.0061
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Adults (19-64 years) (n=5094)

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration µg/kg (mean)</b>	<b>HT-2 concentration µg/kg (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; *Mean</b>
Plain muesli	3	17.3	39	211	0.012	0.030	0.027
Biscuits, oatmeal	4	14.6	24.3	1472	0.0079	0.024	0.013
Multigrain bread rolls	2	6.9	7	530	0.0088	0.022	0.0090
Wheat bread rolls	2	6.3	6.3	293	0.0081	0.019	0.0081
Dried pasta	4	6.3	6.3	1677	0.018	0.038	0.018
Mixed breakfast cereals	3	8.6	11.2	2935	0.0065	0.023	0.0085

Oat porridge	23	20.1	95.7	222	0.045	0.087	0.21	0
Infants' cereals	2	217.5	219	2	0.13	0.17	0.13	0
Plain cereal bars	2	14.5	18.2	135	0.0062	0.020	0.0078	0
Puffs/ curls type extruded snack	1	5.2	5.2	673	0.0018	0.0050	0.0018	0

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

<b>Food groups</b>	<b>Count of HT-2 data call samples (n)</b>	<b>HT-2 concentration <math>\mu\text{g}/\text{kg}</math> (mean)</b>	<b>HT-2 concentration <math>\mu\text{g}/\text{kg}</math> (max)</b>	<b>Consumers (n)</b>	<b>*Mean; Mean</b>	<b>*Mean; P97.5</b>	<b>*Max; Mean</b>
Plain muesli	3	17.3	39	11	0.015	0.024	0.033
Biscuits, oatmeal	4	14.6	24.3	55	0.0089	0.019	0.014
Multigrain bread rolls	2	6.9	7	33	0.0087	0.015	0.0089

Wheat bread rolls	2	6.3	6.3	10	0.0079	0.019	0.0079
Dried pasta	4	6.3	6.3	64	0.020	0.042	0.020
Mixed breakfast cereals	3	8.6	11.2	98	0.0077	0.026	0.010
Oat porridge	23	20.1	95.7	6	0.067	0.18	0.32
Infants' cereals	2	217.5	219	0	0	0	0
Plain cereal bars	2	14.5	18.2	2	0.0099	0.013	0.012
Puffs/ curls type extruded snack	1	5.2	5.2	22	0.0021	0.0040	0.0021

Exposure estimates have been rounded to 2 significant figures; concentrations have been rounded to one decimal place.

\*Mean/Max concentration.