

SUPPLEMENTARY MATERIAL AND RESULTS

Table S1: Percentage of coverage by the food sampling of the whole diet and of the theoretically contributing diet by mycotoxin and by age group

Mycotoxin	Age group (months)	% of the total diet	% of the theoretically contributing diet
Aflatoxins B&G	Total	42.5	85.5
	1-4	63.2	65.6
	5-6	57.9	70.0
	7-12	52.7	75.8
	13-36	23.1	92.6
Aflatoxin M1	Total	64.4	94.1
	1-4	96.1	100.0
	5-6	81.9	98.9
	7-12	69.4	98.1
	13-36	43.9	91.8
<i>Alternaria</i> toxins	Total	20.0	57.1
	1-4	3.6	44.5
	5-6	19.7	76.9
	7-12	28.8	72.4
	13-36	20.1	52.3
Deoxynivalenol and its acetylated compounds.	Total	15.9	86.6
	1-4	3.9	85.6
	5-6	15.1	72.8
	7-12	22.9	84.1
	13-36	15.8	88.2
Fumonisin	Total	14.6	88.4
	1-4	3.9	85.6
	5-6	15.0	72.8
	7-12	22.3	83.6
	13-36	13.1	90.8

Mycotoxin	Age group (months)	% of the total diet	% of the theoretically contributing diet
Nivalenol	Total	15.9	86.6
	1-4	3.9	85.6
	5-6	15.1	72.8
	7-12	22.9	84.1
	13-36	15.8	88.2
Ochratoxin A	Total	47.2	68.0
	1-4	63.2	65.9
	5-6	58.5	67.8
	7-12	54.0	71.2
	13-36	33.0	67.5
Patuline	Total	18.3	81.2
	1-4	3.5	83.6
	5-6	18.1	90.5
	7-12	26.4	89.9
	13-36	18.1	77.9
T2 and HT2 toxins	Total	65.0	94.5
	1-4	96.6	99.1
	5-6	84.3	94.7
	7-12	70.6	93.3
	13-36	43.3	94.0
Zearalenone	Total	21.2	88.8
	1-4	4.1	85.6
	5-6	15.6	72.8
	7-12	25.2	84.4
	13-36	26.5	91.1

Table S2: Analytical method, limit of detection (LOD) and limit of quantification (LOQ) for the mycotoxins analysed in the French infant total diet study

Mycotoxin		LOD (ng.g ⁻¹)	LOQ (ng.g ⁻¹)	Analytical method
Aflatoxins	B&G	0.01-0.04	0.03-0.12	liquid chromatography with fluorescence detection
	M1	0.002- 0.02	0.006-0.06	
Ochratoxin A		0.008-0.05	0.024-0.15	
<i>Alternaria</i> toxins		0.1-20.6	0.3-61.8	liquid chromatography with tandem mass spectrometry
Fumonisin		0.5	1.5	
Patulin		ND	0.4	
Trichothecenes	DON and acetylated compounds	2- 20	6-60	
	NIV	0.1-1.0	0.3-3	
	T2/HT2 toxins	0.05- 1.0	1.5-3.0	
Zearalenone		0.1-0.5	0.3-1.5	

ND: Not determined

Table S3: Concentrations of mycotoxins in food samples (ng.g⁻¹) from the French infant total diet study

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean ± std deviation LB	Min LB	Max LB	Mean ± std deviation UB	Min UB	Max UB
Deoxynivalenol	Infant specific food	Cereal-based food	17	6	1.18 ± 4.85	0	20.0	22.35 ± 9.7	20.0	60.0
		Fruit puree	11	9	12.27 ± 40.7	0	135	25.91 ± 36.18	15.0	135.0
		Meat/fish-based ready-to-eat meal	44	32	4.77 ± 9.38	0	54.0	20.05 ± 12.2	12.0	54.0
		Milk-based beverage	8	50	3.63 ± 5.72	0	15.1	5.63 ± 4.79	2.0	15.1
		Milk-based dessert	3	0	0 ± 0	0	0	8.33 ± 5.77	5.0	15.0
		Soup, puree	11	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Vegetable-based ready-to-eat meal	23	0	0 ± 0	0	0	15 ± 0	15.0	15.0
	Common food	Bread and dried bread products	2	100	13.33 ± 9.43	6.67	20.0	40 ± 28.28	20.0	60.0
		Croissant-like pastries	1	100	20 ± 0	20.0	20.0	60 ± 0	60.0	60.0
		Dairy-based desserts	2	0	0 ± 0	0	0	20 ± 0	20.0	20.0
		Pasta	1	100	6.67 ± 0	6.67	6.67	20 ± 0	20.0	20.0
		Rice and wheat products	2	0	0 ± 0	0	0	20 ± 0	20.0	20.0
Sum of acetylated compounds of deoxynivalenol	Infant specific food	Cereal-based food	17	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Fruit puree	11	0	0 ± 0	0	0	5 ± 0	5.0	5.0
		Meat/fish-based ready-to-eat meal	44	2	0.23 ± 1.51	0	10.0	10.45 ± 3.02	10.0	30.0
		Milk-based beverage	8	0	0 ± 0	0	0	5 ± 0	5.0	5.0
		Milk-based dessert	3	0	0 ± 0	0	0	5 ± 0	5.0	5.0
		Soup, puree	11	9	0.91 ± 3.02	0	10.0	11.82 ± 6.03	10.0	30.0
		Vegetable-based ready-to-eat meal	23	0	0 ± 0	0	0	5 ± 0	5.0	5.0
	Common food	Bread and dried bread products	2	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Croissant-like pastries	1	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Dairy-based desserts	2	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Pasta	1	0	0 ± 0	0	0	10 ± 0	10.0	10.0
		Rice and wheat products	2	0	0 ± 0	0	0	10 ± 0	10.0	10.0

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
Sum of DON and its acetylated compounds	Infant specific food	Cereal-based food	17	3	1.18 \pm 4.85	0	20.0	32.35 \pm 9.7	30.0	70.0
		Fruit puree	11	5	12.27 \pm 40.7	0	135.0	30.91 \pm 36.18	20.0	140
		Meat/fish-based ready-to-eat meal	44	17	5 \pm 9.39	0	54.0	30.5 \pm 12.27	22.0	64.0
		Milk-based beverage	8	25	3.63 \pm 5.72	0	15.1	10.63 \pm 4.79	7.0	20.1
		Milk-based dessert	3	0	0 \pm 0	0	0	13.33 \pm 5.77	10.0	20.0
		Soup, puree	11	5	0.91 \pm 3.02	0	10.0	21.82 \pm 6.03	20.0	40.0
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	20 \pm 0	20.0	20.0
	Common food	Bread and dried bread products	2	50	13.33 \pm 9.43	6.67	20.0	50 \pm 28.28	30.0	70.0
		Croissant-like pastries	1	50	20 \pm 0	20.0	20.0	70 \pm 0	70.0	70.0
		Dairy-based desserts	2	0	0 \pm 0	0	0	30 \pm 0	30.0	30.0
		Pasta	1	50	6.67 \pm 0	6.67	6.67	30 \pm 0	30.0	30.0
		Rice and wheat products	2	0	0 \pm 0	0	0	30 \pm 0	30.0	30.0
Fumonisin B1	Infant specific food	Cereal-based food	17	18	0.07 \pm 0.17	0	0.50	0.6 \pm 0.35	0.2	1.5
		Fruit puree	11	9	0.05 \pm 0.15	0	0.50	0.59 \pm 0.3	0.5	1.5
		Meat/fish-based ready-to-eat meal	44	7	0.03 \pm 0.13	0	0.50	0.57 \pm 0.25	0.5	1.5
		Milk-based beverage	8	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk-based dessert	3	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Soup, puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Vegetable-based ready-to-eat meal	23	13	0.07 \pm 0.17	0	0.50	0.63 \pm 0.34	0.5	1.5
Fumonisin B2	Infant specific food	Cereal-based food	17	12	0.04 \pm 0.12	0	0.50	0.54 \pm 0.27	0.1	1.5
		Fruit puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Meat/fish-based ready-to-eat meal	44	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk-based beverage	8	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk-based dessert	3	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Soup, puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Vegetable-based ready-to-eat meal	23	9	0.04 \pm 0.14	0	0.50	0.59 \pm 0.29	0.5	1.5

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
Sum of fumonisins B1 and B2	Infant specific food	Cereal-based food	17	15	0.1 \pm 0.27	0	1.00	1.13 \pm 0.57	0.3	3.0
		Fruit puree	11	5	0.05 \pm 0.15	0	0.50	1.09 \pm 0.3	1.0	2.0
		Meat/fish-based ready-to-eat meal	44	3	0.03 \pm 0.13	0	0.50	1.07 \pm 0.25	1.0	2.0
		Milk-based beverage	8	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Milk-based dessert	3	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Soup, puree	11	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Vegetable-based ready-to-eat meal	23	11	0.11 \pm 0.3	0	1.00	1.22 \pm 0.6	1.0	3.0
Nivalenol	Infant specific food	Cereal-based food	17	6	0.19 \pm 0.79	0	3.24	1.13 \pm 0.54	1.0	3.2
		Fruit puree	11	9	5.91 \pm 19.6	0	65.0	6.82 \pm 19.3	1.0	65.0
		Meat/fish-based ready-to-eat meal	44	32	0.52 \pm 0.98	0	4.00	1.66 \pm 0.99	1.0	4.0
		Milk-based beverage	8	0	0 \pm 0	0	0	0.1 \pm 0	0.1	0.1
		Milk-based dessert	3	33	0.33 \pm 0.58	0	1.00	1.67 \pm 1.15	1.0	3.0
		Soup, puree	11	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
	Common food	Bread and dried bread products	2	100	0.67 \pm 0.47	0.33	1.00	2 \pm 1.41	1.0	3.0
		Croissant-like pastries	1	100	1 \pm 0	1.00	1.00	3 \pm 0	3.0	3.0
		Dairy-based desserts	2	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Pasta	1	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Rice and wheat products	2	50	0.17 \pm 0.24	0	0.33	1 \pm 0	1.0	1.0

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
Ochratoxin A	Infant specific food	Cereal-based food	17	65	0.02 \pm 0.03	0	0.06	0.08 \pm 0.07	0.0	0.2
		Follow-on formula	10	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Fruit puree	11	0	0 \pm 0	0	0	0.05 \pm 0.01	0.0	0.1
		Growing-up milk	9	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Infant formula	14	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Meat/fish-based ready-to-eat meal	44	0	0 \pm 0	0	0	0.02 \pm 0	0.0	0.0
		Milk-based beverage	8	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Milk-based dessert	3	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Soup, puree	11	0	0 \pm 0	0	0	0.01 \pm 0	0.0	0.0
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	0.05 \pm 0.01	0.0	0.1
Patulin	Infant specific food	Fruit juice	4	0	0 \pm 0	0	0	0.13 \pm 0	0.1	0.1
		Fruit puree	30	80	0.21 \pm 0.25	0	1.21	0.39 \pm 0.2	0.1	1.2
		Meat/fish-based ready-to-eat meal	45	16	0.02 \pm 0.05	0	0.13	0.17 \pm 0.1	0.1	0.4
		Milk-based beverage	4	50	1.42 \pm 1.89	0	4.00	1.49 \pm 1.83	0.1	4.0
		Milk-based dessert	3	0	0 \pm 0	0	0	0.13 \pm 0	0.1	0.1
		Soup, puree	11	36	0.05 \pm 0.07	0	0.13	0.23 \pm 0.13	0.1	0.4
		Vegetable-based ready-to-eat meal	27	22	0.03 \pm 0.06	0	0.13	0.19 \pm 0.11	0.1	0.4
	Common food	Non-alcoholic beverages	1	0	0 \pm 0	0	0	0.13 \pm 0	0.1	0.1
		Vegetables (excluding potatoes)	2	0	0 \pm 0	0	0	0.13 \pm 0	0.1	0.1

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
T2 toxin	Infant specific food	Cereal-based food	17	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Follow-on formula	28	0	0 \pm 0	0	0	0.48 \pm 0.09	0.0	0.5
		Fruit puree	12	17	0.63 \pm 1.55	0	4.90	1.47 \pm 1.19	1.0	4.9
		Growing-up milk	9	0	0 \pm 0	0	0	0.1 \pm 0.15	0.1	0.5
		Infant formula	34	6	0.29 \pm 1.63	0	9.50	0.71 \pm 1.57	0.0	9.5
		Meat/fish-based ready-to-eat meal	44	2	0.01 \pm 0.08	0	0.50	0.52 \pm 0.15	0.5	1.5
		Milk-based beverage	8	0	0 \pm 0	0	0	0.05 \pm 0	0.1	0.1
		Milk-based dessert	6	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Soup, puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
	Common food	Bread and dried bread products	2	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Croissant-like pastries	1	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Dairy-based desserts	2	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Eggs and egg products	2	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk	3	0	0 \pm 0	0	0	0.03 \pm 0	0.0	0.0
		Non-alcoholic beverages	1	0	0 \pm 0	0	0	0.05 \pm 0	0.1	0.1
		Pasta	1	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Rice and wheat products	2	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
Sweet and savoury biscuits and bars	1	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5		

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
HT2 toxin	Infant specific food	Cereal-based food	17	6	0.02 \pm 0.09	0	0.39	0.96 \pm 0.15	0.4	1.0
		Follow-on formula	28	0	0 \pm 0	0	0	0.48 \pm 0.09	0.0	0.5
		Fruit puree	12	8	0.73 \pm 2.51	0	8.70	1.64 \pm 2.22	1.0	8.7
		Growing-up milk	9	0	0 \pm 0	0	0	0.1 \pm 0.15	0.1	0.5
		Infant formula	34	6	0.29 \pm 1.59	0	9.30	0.73 \pm 1.55	0.0	9.3
		Meat/fish-based ready-to-eat meal	44	2	0.02 \pm 0.15	0	1.00	1.05 \pm 0.3	1.0	3.0
		Milk-based beverage	8	13	0.03 \pm 0.07	0	0.20	0.07 \pm 0.05	0.1	0.2
		Milk-based dessert	6	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Soup, puree	11	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
	Common food	Bread and dried bread products	2	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Croissant-like pastries	1	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Dairy-based desserts	2	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Eggs and egg products	2	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk	3	0	0 \pm 0	0	0	0.03 \pm 0	0.0	0.0
		Non-alcoholic beverages	1	0	0 \pm 0	0	0	0.05 \pm 0	0.1	0.1
		Pasta	1	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Rice and wheat products	2	50	0.5 \pm 0.71	0	1.00	2 \pm 1.41	1.0	3.0
Sweet and savoury biscuits and bars	1	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0		

Mycotoxin	Type of food	Food category	Number of samples	% of detection*	Mean \pm std deviation LB	Min LB	Max LB	Mean \pm std deviation UB	Min UB	Max UB
Sum of T2 and HT2 toxins	Infant specific food	Cereal-based food	17	3	0.02 \pm 0.09	0	0.39	1.46 \pm 0.15	0.9	1.5
		Follow-on formula	28	0	0 \pm 0	0	0	0.97 \pm 0.18	0.1	1.0
		Fruit puree	12	13	1.36 \pm 3.93	0	13.6	3.11 \pm 3.34	2.0	13.6
		Growing-up milk	9	0	0 \pm 0	0	0	0.2 \pm 0.3	0.1	1.0
		Infant formula	34	6	0.58 \pm 3.22	0	18.8	1.45 \pm 3.12	0.1	18.8
		Meat/fish-based ready-to-eat meal	44	2	0.03 \pm 0.23	0	1.50	1.57 \pm 0.45	1.5	4.5
		Milk-based beverage	8	6	0.03 \pm 0.07	0	0.20	0.12 \pm 0.05	0.1	0.3
		Milk-based dessert	6	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Soup, puree	11	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
	Common food	Bread and dried bread products	2	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Croissant-like pastries	1	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Dairy-based desserts	2	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Eggs and egg products	2	0	0 \pm 0	0	0	1 \pm 0	1.0	1.0
		Milk	3	0	0 \pm 0	0	0	0.06 \pm 0	0.1	0.1
		Non-alcoholic beverages	1	0	0 \pm 0	0	0	0.1 \pm 0	0.1	0.1
		Pasta	1	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5
		Rice and wheat products	2	25	0.5 \pm 0.71	0	1.00	2.5 \pm 1.41	1.5	3.5
Sweet and savoury biscuits and bars	1	0	0 \pm 0	0	0	1.5 \pm 0	1.5	1.5		
Zearalenone	Infant specific food	Cereal-based food	17	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Fruit puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Meat/fish-based ready-to-eat meal	44	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Milk-based beverage	8	0	0 \pm 0	0	0	0.1 \pm 0	0.1	0.1
		Milk-based dessert	3	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Soup, puree	11	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5
		Vegetable-based ready-to-eat meal	23	0	0 \pm 0	0	0	0.5 \pm 0	0.5	0.5

LB: lower bound hypothesis; UB: upper bound hypothesis

*proportion of samples above the LOD value

Table S4: Dietary exposure to mycotoxins of children under 3 years (ng.kg bw-1.d-1) with no associated health risk

Mycotoxin	Age group (months)	Mean \pm standard deviation		Median		P90	
		LB	UB	LB	UB	LB	UB
Aflatoxin M1	1-4	0	1.92 \pm 1.56	0	1.94	0	3.97
	5-6	0	0.545 \pm 0.36	0	0.525	0	0.778
	7-12	0	0.427 \pm 0.15	0	0.412	0	0.624
	13-36	0	0.204 \pm 0.12	0	0.172	0	0.353
Alternariol (AOH)	1-4	0	17.0 \pm 56.1	0	0	0	41.1
	5-6	0	139 \pm 165	0	102	0	311
	7-12	0	192 \pm 144	0	146	0	385
	13-36	0	107 \pm 102	0	75.2	0	238
Alternariol monomethyl ether (AME)	1-4	0	1.30 \pm 3.82	0	0	0	4.04
	5-6	0	11.9 \pm 10.9	0	9.60	0	26.5
	7-12	0.046 \pm 0.33	16.8 \pm 11.3	0	14.1	0	34.2
	13-36	0.177 \pm 1.02	13.2 \pm 13.5	0	10.6	0	23.1
Tenuazonic acid (TA)	1-4	0.094 \pm 1.45	12.2 \pm 36.9	0	0	0	42.4
	5-6	1.34 \pm 10.4	123 \pm 110	0	97.8	0	280
	7-12	4.99 \pm 37.4	170 \pm 111	0	152	0	302
	13-36	22.8 \pm 64.6	92.4 \pm 90.2	0	67.4	78.5	193
Fumonisin B1	1-4	0.073 \pm 0.45	1.89 \pm 6.14	0	0	0	4.79
	5-6	0.242 \pm 0.83	10.6 \pm 10.7	0	7.70	0.633	23.6
	7-12	1.26 \pm 2.46	18.3 \pm 13.8	0	15.7	4.01	37.0
	13-36	12.6 \pm 34.6	38.4 \pm 49.2	3.30	23.0	30.1	86.8
Fumonisin B2	1-4	0.053 \pm 0.36	1.85 \pm 6.06	0	0	0	4.79
	5-6	0.022 \pm 0.11	10.1 \pm 10.4	0	7.65	0	22.1
	7-12	0.543 \pm 2.15	16.7 \pm 14.2	0	13.7	0.862	34.8
	13-36	4.93 \pm 17.3	30.8 \pm 39.5	0	17.0	12.0	69.0
Sum of fumonisins B1+B2	1-4	0.126 \pm 0.81	3.74 \pm 12.2	0	0	0	9.59
	5-6	0.264 \pm 0.85	20.7 \pm 21.0	0	15.3	0.822	45.7
	7-12	1.80 \pm 4.31	35.1 \pm 27.2	0	29.0	6.33	70.8
	13-36	17.5 \pm 50.3	69.2 \pm 83.1	4.34	45.4	38.6	140
Nivalenol	1-4	0.386 \pm 5.57	2.76 \pm 9.27	0	0	0	8.79
	5-6	36.6 \pm 140	54.1 \pm 143	0	14.8	32.9	73.9
	7-12	22.3 \pm 65.0	50.8 \pm 71.2	1.28	33.4	34.1	84.4
	13-36	9.61 \pm 26.2	36.2 \pm 31.9	2.72	30.9	23.4	61.7
Ochratoxin A (OTA)	1-4	0.005 \pm 0.3	1.12 \pm 0.84	0	1.44	0	2.04
	5-6	0.017 \pm 0.05	1.24 \pm 0.74	0	1.24	0.057	2.15
	7-12	0.053 \pm 0.10	1.61 \pm 1.06	0.014	1.39	0.151	3.04
	13-36	0.144 \pm 0.19	3.07 \pm 1.43	0.079	2.87	0.407	5.01
Patulin	1-4	1.83 \pm 9.37	4.21 \pm 22.5	0.00	0.00	0.721	2.67
	5-6	3.47 \pm 9.46	12.0 \pm 20.8	1.37	6.32	4.86	21.5
	7-12	5.83 \pm 10.2	28.3 \pm 43.3	1.93	10.3	15.3	74.4
	13-36	5.68 \pm 7.80	58.2 \pm 46.2	2.2	52.8	17.1	125
Zearalenone	1-4	0.289 \pm 2.37	2.21 \pm 8.91	0	0	0	5.02
	5-6	0.256 \pm 1.56	10.2 \pm 9.91	0	0.70	0	21.1
	7-12	3.54 \pm 7.18	26.5 \pm 24.7	0	19.8	12.5	48.7
	13-36	13.4 \pm 8.54	57.6 \pm 28.4	12.1	53.7	25.3	98.2

LB: lower bound hypothesis; UB: upper bound hypothesis

Table S5: Dietary exposure to mycotoxins of children under 3 years (ng.kg bw-1.d-1): “exposed” only

Mycotoxin	Age group (months)	Number of consumers	Mean \pm standard deviation		Median	
			LB	UB	LB	UB
Alternariol	1-4	13	0	104 \pm 102	0	79.6
	5-6	35	0	159 \pm 167	0	114
	7-12	115	0	196 \pm 143	0	155
	13-36	462	0	108 \pm 101	0	76.3
Alternariol monomethyl ether	1-4	13	0	7.98 \pm 6.03	0	7.39
	5-6	35	0	13.6 \pm 10.7	0	11
	7-12	115	0.047	17.1 \pm 11.2	0	14.2
	13-36	462	0.18	13.4 \pm 13.5	0	10.7
Tenuazonic acid	1-4	13	0.573 \pm 3.59	74.9 \pm 60.7	0	51.5
	5-6	35	1.54 \pm 11.2	141 \pm 107	0	115
	7-12	115	5.08 \pm 37.7	173 \pm 109	0	153
	13-36	462	23.2 \pm 65.1	93.8 \pm 90	0	69.7
Fumonisin B1	1-4	18	0.321 \pm 0.90	8.32 \pm 10.7	0	4.31
	5-6	33	0.29 \pm 0.90	12.6 \pm 10.5	0	10.3
	7-12	114	1.29 \pm 2.49	18.8 \pm 13.6	0	16.1
	13-36	460	12.8 \pm 34.9	39.2 \pm 49.4	3.46	24.8
Fumonisin B2	1-4	18	0.234 \pm 0.74	8.15 \pm 10.6	0	4.02
	5-6	33	0.027 \pm 0.12	12.1 \pm 10.3	0	9.94
	7-12	114	0.556 \pm 2.18	17.1 \pm 14.2	0	13.7
	13-36	460	5.03 \pm 17.4	31.4 \pm 39.6	0	17.3
Sum of fumonisins B1+B2	1-4	18	0.555 \pm 1.64	16.5 \pm 21.3	0	8.04
	5-6	33	0.316 \pm 0.92	24.8 \pm 20.7	0	20.5
	7-12	114	1.85 \pm 4.35	35.9 \pm 26.9	0	29.4
	13-36	460	17.8 \pm 50.7	70.6 \pm 83.3	4.82	46.6
Patulin	1-4	13	11.2 \pm 21.1	25.8 \pm 51.1	1.09	5.19
	5-6	34	4.01 \pm 10.1	13.8 \pm 21.8	1.69	7.82
	7-12	115	5.94 \pm 10.2	28.8 \pm 43.6	2.00	10.6
	13-36	455	5.86 \pm 7.86	60.0 \pm 45.8	2.37	53.7
Zearalenone	1-4	18	1.25 \pm 4.86	9.56 \pm 16.7	0	4.02
	5-6	34	0.299 \pm 1.68	11.8 \pm 9.73	0	10.3
	7-12	115	3.59 \pm 7.22	26.8 \pm 24.6	0	20.1
	13-36	469	13.4 \pm 8.54	57.6 \pm 28.4	12.1	53.7

LB: lower bound hypothesis; UB: upper bound hypothesis

Table S6: Contribution (%) of the different food categories to the mean exposure to mycotoxins regarding age group, for mycotoxins with a global detection rate higher than 60%

Mycotoxin	Food		1-4		5-6		7-12		13-36		
	Type of food	Food category	LB	UB	LB	UB	LB	UB	LB	UB	
Sum of DON and its acetylated compounds	Infant specific food	Milk-based beverage	100	19.6	8.5	9	7.5	5.8	0.4	1.4	
		Cereal-based food	0	31.2	0	7.4	1	4.9	0.5	2.6	
		Milk-based dessert	0	4.2	0	6.1	0	7.6	0	1	
		Fruit juice	.	.	.	.	.	.	.	.
		Growing-up milk	.	.	.	.	.	.	.	.
		Soup, puree	0	14.4	0	8.2	0	9	0.1	4.3	
		Fruit puree	0	10.1	66.8	24.8	27.7	11.5	0.9	2.5	
		Vegetable-based ready-to-eat meal	0	20.3	0	18.4	0	10.8	0	3.5	
		Meat/fish-based ready-to-eat meal	.	.	24.6	25.2	33.6	39.6	5.8	12.1	
		Follow-on formula	.	.	.	.	.	.	.	.
		Infant formula	.	.	.	.	.	.	.	.
	Total for Infant specific food			100	99.7	99.9	99.1	69.8	89.2	7.7	27.3
	Common food	Offal	.	.	.	.	.	.	0	0.1
		Other hot beverages	.	.	.	.	.	.	.	.
		Butter	.	.	.	.	.	.	.	.
		Sweet and savoury biscuits and bars	.	.	.	.	10.2	1.8	22.1	10.2
		Non-alcoholic beverages	.	.	.	.	.	.	.	.
		Delicatessen meats	0	0.3	0	0.1	0	0.4	0	1.7	
		Chocolate	.	.	.	.	.	.	.	.
		Compotes and cooked fruit	.	.	.	.	.	.	.	.
		Breakfast cereals	.	.	.	.	0	0	1.3	1.1
		Dairy-based desserts	.	.	0	0.7	0.1	1.9	0.8	9.6	
		Cheese	.	.	.	.	.	.	.	.
		Fruit	.	.	.	.	.	.	.	.
		Dried fruits, nuts and seeds	.	.	.	.	0	0	0	0
		Milk	.	.	.	.	.	.	.	.
		Vegetables (excluding potatoes)	.	.	.	.	.	.	0	0.2
		Eggs and egg products	.	.	.	.	.	.	.	.
		Bread and dried bread products	.	.	0.1	0	6.3	2	15.1	11	
		Pizzas, quiches and savoury pastries	.	.	.	.	0.3	0.1	10.4	4.4
Mixed dishes		.	.	.	.	2.3	0.4	10.5	5	
Pasta	.	.	.	.	2.7	1.8	7.1	10.6		
Pastries and cakes	.	.	.	.	4.9	0.8	14.2	6		
Rice and wheat products	.	.	.	.	2.6	1.3	1.6	6.2		
Soups and broths	.	.	.	.	.	.	.	.
Ultra-fresh dairy products	.	.	.	.	.	.	.	.
Croissant-like pastries	.	.	.	.	1	0.2	9.2	6.7		
Poultry and game	.	.	.	.	.	.	.	.
Total for common food			0	0.3	0.1	0.9	30.1	10.8	92.3	72.7	

Mycotoxin	Food		1-4		5-6		7-12		13-36		
	Type of food	Food category	LB	UB	LB	UB	LB	UB	LB	UB	
Nivalenol	Infant specific food	Milk-based beverage	0	4.7	0	0.9	0	0.8	0	0.2	
		Cereal-based food	93.2	35.1	5.2	5.5	16	8.8	12.3	4.3	
		Milk-based dessert	6.8	10.1	1.7	6.3	3.9	11.3	1.1	1.8	
		Fruit juice	.	.	.	.	.	.	.	.
		Growing-up milk	.	.	.	.	.	.	.	.
		Soup, puree	0	15.5	0	3.4	0	5.7	0	3.2	
		Fruit puree	0	10.9	88.9	64.1	58.9	30.3	9.6	4.2	
		Vegetable-based ready-to-eat meal	0	21.9	0	7.7	0	6.9	0	2.6	
		Meat/fish-based ready-to-eat meal	.	.	4.2	11.4	17.5	28	13.5	10.6	
		Follow-on formula	.	.	.	.	.	.	.	.
		Infant formula	.	.	.	.	.	.	.	.
	Total for Infant specific food			100	98.2	100	99.4	96.3	91.9	36.5	26.9
	Common food	Offal	.	.	.	.	.	.	0	0.6
		Other hot beverages	.	.	.	.	.	.	.	.
		Butter	.	.	.	.	.	.	.	.
		Sweet and savoury biscuits and bars	.	.	.	.	0	1.1	1.8	8.2
		Non-alcoholic beverages	.	.	.	.	.	.	.	.
		Delicatessen meats	0	1.8	0	0.4	0	1.5	0	8.4	
		Chocolate	.	.	.	.	.	.	.	.
		Compotes and cooked fruit	.	.	.	.	.	.	.	.
		Breakfast cereals	.	.	.	.	0	0	5.1	5.9
		Dairy-based desserts	.	.	0	0.2	0	1.1	0.5	6.4	
		Cheese	.	.	.	.	.	.	.	.
		Fruit	.	.	.	.	.	.	.	.
		Dried fruits, nuts and seeds	.	.	.	.	0.1	0.1	0.1	0.2
		Milk	.	.	.	.	.	.	.	.
		Vegetables (excluding potatoes)	.	.	.	.	.	.	0	0.7
		Eggs and egg products	.	.	.	.	.	.	.	.
		Bread and dried bread products	.	.	0	0	0.7	1.1	9.1	6.9	
		Pizzas, quiches and savoury pastries	.	.	.	.	0	0.1	0	2.2
Mixed dishes		.	.	.	.	0	0.3	31.4	14.2	
Pasta		.	.	.	.	0	0.8	3.5	6.5	
Pastries and cakes	.	.	.	.	0	0.4	0	3.5		
Rice and wheat products	.	.	.	.	2.8	1.5	8.6	4.9		
Soups and broths	.	.	.	.	.	.	.	.
Ultra-fresh dairy products	.	.	.	.	.	.	.	.
Croissant-like pastries	.	.	.	.	0	0.1	3.3	4.4		
Poultry and game	.	.	.	.	.	.	.	.
Total for common food			0	1.8	0	0.6	3.7	8.1	63.5	73.1	

Mycotoxin	Food		1-4		5-6		7-12		13-36	
	Type of food	Food category	LB	UB	LB	UB	LB	UB	LB	UB
Patulin	Infant specific food	Milk-based beverage	55.5	25	42.6	13.9	16.3	3.7	2.6	0.3
		Milk-based dessert	0	0.2	0	1.7	0	1.3	0	0.1
		Fruit juice	0	0.2	0	0.6	0	0.3	0	0.1
		Soup, puree	1.7	2.8	1.9	3.2	1.6	2	1.4	0.5
		Fruit puree	10.6	9.3	39.1	24.3	28.8	11.3	7.1	1.1
		Vegetable-based ready-to-eat meal	0.5	2.9	2.2	8.3	1.9	2.8	0.4	0.3
		Meat/fish-based ready-to-eat meal	.	.	2.9	5.7	3.9	5.9	1.1	0.7
	Total for Infant specific food		68.3	40.4	88.7	57.8	52.4	27.4	12.6	3.1
	Common food	Non-alcoholic beverages	.	.	.	.	0	5.8	7.8	30.4
		Compotes and cooked fruit	31.7	59.5	1.7	6.2	41.6	44.7	64.2	36.9
		Fruit	.	.	9.6	35.4	6	19.6	15.4	24.2
		Vegetables (excluding potatoes)	0	0.1	0	0.1	0	0.7	0	0.3
		Pizzas, quiches and savoury pastries	.	.	.	.	0	0.2	0	0.5
		Pastries and cakes	.	.	.	.	0	1.4	0	4.4
		Soups and broths	.	.	0	0.5	0	0.2	0	0.2
Total for common food		31.7	59.6	11.3	42.2	47.6	72.6	87.4	96.9	
Zearalenone	Infant specific	Milk-based beverage	0	5.9	0	4.6	0	1.6	0	0.2
		Cereal-based food	0	14	0	5.6	0	1.9	0	0.4
		Milk-based dessert	0	5.1	0	10.6	0	7.6	0	0.4
		Soup, puree	0	9.7	0	9.2	0	5.5	0	1
		Fruit puree	0	6.8	0	13	0	4.7	0	0.5
		Vegetable-based ready-to-eat meal	0	13.7	0	20.6	0	6.6	0	0.8
		Meat/fish-based ready-to-eat meal	.	.	0	17.2	0	16.9	0	1.9
	Total for Infant specific food		0	55.2	0	80.8	0	44.9	0	5.1
	Common food	Other hot beverages	.	.	0.2	0	0.5	0.2	0.3	0.3
		Sweet and savoury biscuits and bars	.	.	.	.	7.5	3.4	11.1	8.1
		Non-alcoholic beverages	.	.	.	.	0	0.3	0.5	1.6
		Delicatessen meats	0	1.2	0	1.1	0	1.4	0	2.6
		Chocolate	.	.	0.2	0	0.2	0.1	1.5	1.4
		Compotes and cooked fruit	100	43.6	35	3.5	41.8	19.6	18.7	15.8
		Breakfast cereals	.	.	.	.	0.1	0	2.9	2.4
		Dairy-based desserts	.	.	64.1	5.4	17.7	8	18	14.6
		Fruit	.	.	0	8.5	0	4.5	0	5.2
		Vegetables (excluding potatoes)	.	.	.	.	.	.	0.3	0.4
		Eggs and egg products	.	.	.	.	0	0.2	0	0.9
		Bread and dried bread products	.	.	0.5	0	6.9	3.1	8.7	6.8
		Pizzas, quiches and savoury pastries	.	.	.	.	0.2	0.1	2.7	2.2
		Mixed dishes	.	.	.	.	0	0.3	2.1	2.9
		Pasta	.	.	.	.	16.9	7.5	21	16.4
Pastries and cakes		.	.	.	.	2.5	1.1	4.5	3.6	
Rice and wheat products	.	.	.	.	4.9	2.9	1.6	3.7		
Croissant-like pastries	.	.	.	.	0.9	0.4	6	4.6		
Poultry and game	.	.	0	0.6	0	1.9	0	1.4		
Total for common food		100	44.8	100	19.2	100	55.1	100	94.9	

LB: lower bound hypothesis; UB: upper bound hypothesis

A point means that the category of food is not consumed by the children of this age group