Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.0013	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.6E-6	0	0	0	0	0
Total	0.0013	0	0	0	0	0

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Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

</div>

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0012	0	0	0	0	0
Total	1.1	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.21	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.8E-8	0	0	0	0	0
AMR	0.00014	0	0	0	0	0
Beef on Bone	6.3E-7	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00027	0	0	0	0	0
Total	0.21	0	0	0	0	0

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Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

</div>

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0069	0	0	0	0	0
Spinal Cord	0.0058	0	0	0	0	0
Blood	4.7E-6	0	0	0	0	0
Distal Ileum	71	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.3E-8	0	0	0	0	0
Contaminated Muscle Meat	0.000067	0	0	0	0	8.6E-7
AMR	0.016	0	0	0	0	0.00084
Beef on Bone	0.03	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.082	0	0	0	0.016	0.51
Total	71	0	0	8	16	270

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	4.9E-6	0	0	0	0	0
Spinal Cord	5.7E-7	0	0	0	0	0
Blood	4.3E-6	0	0	0	0	0
Distal Ileum	0.5	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.000044	0	0	0	0	0
AMR	0.0066	0	0	0	0	0
Beef on Bone	0.011	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00064	0	0	0	0	0
Total	0.52	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.12	0	0	0	0	0
Spinal Cord	0.069	0	0	0	0	0
Blood	0.00041	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00002	0	0	0	0	0
Contaminated Muscle Meat	0.0017	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.34	0	0	0	0.003	0.12
Beef on Bone	0.39	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.56
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	4.2	0	0	0	0	0
Blood	0.023	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00028	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	29
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.013	0	0	0	0	0
Total	54	0	0	0	0.32	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000074	0.02	0.29	1.7	8
Distal Ileum	210	0	0.11	260	270	600
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.7	7.1	9.8	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,200	3,000	4,200	8,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	4.2	0	0	0	0	0
Blood	0.023	0	0	0	0	0
Distal Ileum	1.6	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00028	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	29
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.014	0	0	0	0	0
Total	54	0	0	0	0.42	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Base Case - 500 Animals Imported
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000077	0.02	0.29	1.7	8
Distal Ileum	370	0	83	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.7	7.1	9.8	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	3,700	1,600	2,400	3,100	4,400	8,600

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.7E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0014	0	0	0	0	0
Total	1.3	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0078	0	0	0	0	0
Spinal Cord	0.00077	0	0	0	0	0
Blood	5.3E-6	0	0	0	0	0
Distal Ileum	72	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.1E-7	0	0	0	0	0
Contaminated Muscle Meat	0.000046	0	0	0	0	8.6E-7
AMR	0.0081	0	0	0	0	0.00047
Beef on Bone	0.015	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.083	0	0	0	0.016	0.51
Total	72	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.14	0	0	0	0	0
Spinal Cord	0.084	0	0	0	0	0
Blood	0.00069	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	3.7E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0018	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.35	0	0	0	0.003	0.12
Beef on Bone	0.39	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.19	0	0	0	0.51	1
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000063	0.019	0.29	1.7	7.9
Distal Ileum	210	0	0.14	260	270	630
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.04	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7	9.7	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	180	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,200	3,000	4,200	8,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA A: Ban on Non-ambulatory cattle to Human food
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000065	0.019	0.29	1.7	7.9
Distal Ileum	370	0	150	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.04	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7	9.7	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	180	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	3,700	1,600	2,400	3,100	4,400	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.4E-9	0	0	0	0	0
AMR	0.000016	0	0	0	0	0
Beef on Bone	0.000015	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.000031	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.062	0	0	0	0	0
Spinal Cord	0.00064	0	0	0	0	0
Blood	3E-6	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.2E-9	0	0	0	0	0
Contaminated Muscle Meat	0.000065	0	0	0	0	8.6E-7
AMR	0.013	0	0	0	0	0.00047
Beef on Bone	0.025	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.099	0	0	0	0	0.0027

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	9E-7	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	8.3E-7	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.00006	0	0	0	0	0
AMR	0.00064	0	0	0	0	0
Beef on Bone	0.018	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.019	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.26	0	0	0	0	0
Spinal Cord	0.074	0	0	0	0	0
Blood	0.00033	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.4E-6	0	0	0	0	0
Contaminated Muscle Meat	0.002	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.45	0	0	0	0.003	0.12
Beef on Bone	0.51	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	1.3	0	0	0.00078	0.0091	0.52

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.13	0	0	0	0.00067	0.16
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.15	0	0	0	0.00084	0.32

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	1.6E-6	0	0	0	0	0
Blood	1.6	0.000068	0.02	0.3	1.7	7.8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	9.1	2.6	5.6	8.3	12	18

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	9E-7	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.13	0	0	0	0.00067	0.16
AMR	0.00064	0	0	0	0	0
Beef on Bone	0.018	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.17	0	0	0	0.00084	0.32

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA B: 30 Month Comprehensive SRM (Food Only)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.26	0	0	0	0	0
Spinal Cord	0.074	0	0	0	0	0
Blood	1.6	0.00007	0.02	0.3	1.7	7.8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.4E-6	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.8	14
AMR	0.45	0	0	0	0.003	0.12
Beef on Bone	0.51	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	10	2.7	5.7	8.4	12	20

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.00096	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000011	0	0	0	0	0
Total	0.00097	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	3.9E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0013	0	0	0	0	0
Total	1.3	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	1.8E-8	0	0	0	0	0
Distal Ileum	0.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.3E-8	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	4.9E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00028	0	0	0	0	0
Total	0.2	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.00056	0	0	0	0	0
Spinal Cord	0.00066	0	0	0	0	0
Blood	0.000017	0	0	0	0	0
Distal Ileum	72	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.3E-7	0	0	0	0	0
Contaminated Muscle Meat	0.000094	0	0	0	0	8.6E-7
AMR	0	0	0	0	0	0
Beef on Bone	0.027	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.081	0	0	0	0.016	0.51
Total	72	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	1.5E-7	0	0	0	0	0
Distal Ileum	0.5	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.00002	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0.0089	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00068	0	0	0	0	0
Total	0.51	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.24	0	0	0	0	0
Spinal Cord	0.077	0	0	0	0	0
Blood	0.00049	0	0	0	0	0
Distal Ileum	160	0	0	8.4	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.000019	0	0	0	0	0
Contaminated Muscle Meat	0.0021	0	0	1.9E-7	8.9E-6	0.0004
AMR	0	0	0	0	0	0
Beef on Bone	0.49	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.55
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 30^{+} Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	9.9	0	0	0	0	0
Spinal Cord	3.6	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	0.92	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00067	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.1
AMR	0	0	0	0	0	0
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.019	0	0	0	0	0
Total	27	0	0	0	0.0094	96

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	260	0	0	1.6	130	1,800
Blood	1.6	0.00007	0.019	0.29	1.7	7.9
Distal Ileum	210	0	0.14	260	270	590
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.7	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	2,000	350	800	1,400	2,400	6,800

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	9.9	0	0	0	0	0
Spinal Cord	3.6	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	1.4	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00067	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.1
AMR	0	0	0	0	0	0
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.02	0	0	0	0	0
Total	28	0	0	0	0.013	120

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA C: 30 Month Ban on AMR
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	260	0	0	1.6	130	1,800
Blood	1.6	0.000073	0.019	0.29	1.7	7.9
Distal Ileum	370	0	94	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.7	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.013	0.51	1	9.5
Total	2,200	440	950	1,600	2,600	6,900

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.7E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	1.7E-12	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.001	0	0	0	0	0
Spinal Cord	0.0012	0	0	0	0	0
Blood	3.1E-6	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	5.9E-8	0	0	0	0	0
Contaminated Muscle Meat	0.00007	0	0	0	0	8.6E-7
AMR	0.014	0	0	0	0	0.00047
Beef on Bone	0.029	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.045	0	0	0	0	0.0027

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.14	0	0	0	0	0
Spinal Cord	0.05	0	0	0	0	0
Blood	0.00033	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.000018	0	0	0	0	0
Contaminated Muscle Meat	0.0016	0	0	1.9E-7	8.7E-6	0.0004
AMR	0.36	0	0	0	0.003	0.13
Beef on Bone	0.35	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.9	0	0	0.00079	0.009	0.53

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	1.6	0.000067	0.019	0.29	1.7	8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	9.1	2.6	5.6	8.3	12	18

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and B
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.14	0	0	0	0	0
Spinal Cord	0.05	0	0	0	0	0
Blood	1.6	0.00007	0.019	0.29	1.7	8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.000018	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.8	14
AMR	0.36	0	0	0	0.003	0.13
Beef on Bone	0.35	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	10	2.7	5.7	8.4	12	20

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.7E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0011	0	0	0	0	0
Total	1.2	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.062	0	0	0	0	0
Spinal Cord	0.024	0	0	0	0	0
Blood	1E-5	0	0	0	0	0
Distal Ileum	73	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	2.3E-8	0	0	0	0	0
Contaminated Muscle Meat	0.000057	0	0	0	0	8.6E-7
AMR	0	0	0	0	0	0
Beef on Bone	0.022	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.082	0	0	0	0.016	0.51
Total	73	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.19	0	0	0	0	0
Spinal Cord	0.053	0	0	0	0	0
Blood	0.00047	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	4.1E-7	0	0	0	0	0
Contaminated Muscle Meat	0.002	0	0	1.9E-7	8.8E-6	0.0004
AMR	0	0	0	0	0	0
Beef on Bone	0.46	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.56
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000064	0.019	0.29	1.7	7.9
Distal Ileum	210	0	0.14	260	270	600
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.005
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	2,000	350	800	1,400	2,400	6,900

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios A and C
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000066	0.019	0.29	1.7	7.9
Distal Ileum	370	0	91	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.005
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	2,200	450	950	1,600	2,600	7,100

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	3.9E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	3.9E-12	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	9.9E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	9.9E-12	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	7.7E-7	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2E-9	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	1E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	1.8E-6	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0059	0	0	0	0	0
Spinal Cord	0.0011	0	0	0	0	0
Blood	0.000017	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	9.4E-7	0	0	0	0	0
Contaminated Muscle Meat	0.000062	0	0	0	0	4.1E-7
AMR	0	0	0	0	0	0
Beef on Bone	0.03	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.037	0	0	0	0	0.00084

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.13	0	0	0	0	0
Spinal Cord	0.000065	0	0	0	0	0
Blood	0.000025	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.00018	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0.00095	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.13	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.21	0	0	0	0	0
Spinal Cord	0.092	0	0	0	0	0
Blood	0.00063	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1E-5	0	0	0	0	0
Contaminated Muscle Meat	0.0019	0	0	1.9E-7	8.9E-6	0.0004
AMR	0	0	0	0	0	0
Beef on Bone	0.4	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.7	0	0	3.7E-6	0.0026	0.15

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 30^{+} Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.14	0	0	0	0.00067	0.32

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: 30^{+} Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	1.6	0.000066	0.019	0.3	1.7	7.8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	9.1	2.6	5.6	8.3	12	18

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.13	0	0	0	0	0
Spinal Cord	0.000065	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	0	0	0	0	0	0
Beef on Bone	0.00095	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.27	0	0	0	0.00071	0.32

Potential Human Exposure (Cattle Oral ID$_{50}$s)
USDA Scenarios B and C
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.21	0	0	0	0	0
Spinal Cord	0.092	0	0	0	0	0
Blood	1.6	0.00007	0.019	0.3	1.7	7.8
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1E-5	0	0	0	0	0
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.8	14
AMR	0	0	0	0	0	0
Beef on Bone	0.4	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	9.8	2.7	5.6	8.4	12	19

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.00096	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3E-6	0	0	0	0	0
Total	0.00096	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.2E-11	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0013	0	0	0	0	0
Total	1	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.7E-10	0	0	0	0	0
AMR	5.1E-7	0	0	0	0	0
Beef on Bone	7.6E-7	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00022	0	0	0	0	0
Total	0.2	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.00036	0	0	0	0	0
Spinal Cord	0.00089	0	0	0	0	0
Blood	0.000013	0	0	0	0	0
Distal Ileum	72	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.5E-8	0	0	0	0	0
Contaminated Muscle Meat	0.00014	0	0	0	0	4.6E-7
AMR	0.016	0	0	0	0	0.00047
Beef on Bone	0.036	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.083	0	0	0	0.016	0.51
Total	72	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0.000045	0	0	0	0	0
Blood	6.2E-7	0	0	0	0	0
Distal Ileum	0.44	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	7.4E-6	0	0	0	0	0
AMR	0.00098	0	0	0	0	0
Beef on Bone	0.00062	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00054	0	0	0	0	0
Total	0.44	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.084	0	0	0	0	0
Spinal Cord	0.047	0	0	0	0	0
Blood	0.00018	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.000018	0	0	0	0	0
Contaminated Muscle Meat	0.0019	0	0	1.9E-7	8.2E-6	0.0004
AMR	0.37	0	0	0	0.003	0.12
Beef on Bone	0.44	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.58
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 30$^+$ Months or Older
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	12	0	0	0	0	0
Spinal Cord	4	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0009	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.017	0	0	0	0	0
Total	56	0	0	0	0.32	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: 30$^+$ Months or Older
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	680	0	0	3.9	330	6,100
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000072	0.02	0.29	1.7	7.8
Distal Ileum	210	0	0.1	260	270	590
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.9	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,200	3,000	4,200	8,300

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	12	0	0	0	0	0
Spinal Cord	4	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	1.6	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0009	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.017	0	0	0	0	0
Total	57	0	0	0	0.41	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 1: No Blood Recycling
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	680	0	0	3.9	330	6,100
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000077	0.02	0.3	1.7	7.8
Distal Ileum	370	0	83	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.2	4.8	7.1	9.9	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	3,700	1,600	2,300	3,100	4,400	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.00048	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000011	0	0	0	0	0
Total	0.00049	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0013	0	0	0	0	0
Total	1.1	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	1.1E-7	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.22	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.000028	0	0	0	0	0
AMR	1.9E-6	0	0	0	0	0
Beef on Bone	0.0084	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00022	0	0	0	0	0
Total	0.23	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.00077	0	0	0	0	0
Spinal Cord	0.0013	0	0	0	0	0
Blood	9.4E-6	0	0	0	0	0
Distal Ileum	72	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	4.5E-9	0	0	0	0	0
Contaminated Muscle Meat	0.00013	0	0	0	0	8.6E-7
AMR	0.014	0	0	0	0	0.00084
Beef on Bone	0.043	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.082	0	0	0	0.016	0.51
Total	72	0	0	8	16	270

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.00013	0	0	0	0	0
Spinal Cord	5.2E-10	0	0	0	0	0
Blood	0.46	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00003	0	0	0	0	0
Contaminated Muscle Meat	0.0054	0	0	0	0	0
AMR	0.011	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0.00044	0	0	0	0	0
Tonsils	0.48	0	0	0	0	0
Total						

Potential Human Exposure (Cattle Oral ID_{50S})
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.094	0	0	0	0	0
Spinal Cord	0.028	0	0	0	0	0
Blood	0.00017	0	0	0	0	0
Distal Ileum	160	0	0	8	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	5.3E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0021	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.37	0	0	0	0.003	0.12
Beef on Bone	0.56	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.56
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	10	0	0	0	0	0
Spinal Cord	4	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00036	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	24	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.014	0	0	0	0	0
Total	52	0	0	0	0.31	220

Potential Human Exposure (Cattle Oral $ID_{50}s$)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000066	0.018	0.29	1.7	8
Distal Ileum	210	0	0.14	260	270	640
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.8	7.1	9.8	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,200	3,000	4,200	8,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	10	0	0	0	0	0
Spinal Cord	4	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	1.6	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00036	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	24	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.015	0	0	0	0	0
Total	53	0	0	0	0.4	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
FDA 2: No Contamination (Rendering and Feed Production)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000069	0.019	0.29	1.7	8
Distal Ileum	370	0	110	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.8	7.1	9.8	14
AMR	1,600	770	1,100	1,500	1,900	2,800
Beef on Bone	830	170	380	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	3,700	1,600	2,400	3,200	4,400	8,600

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	9.6E-7	0	0	0	0	0
Total	9.6E-7	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	9.9E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0012	0	0	0	0	0
Total	0.0012	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.1E-9	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000078	0	0	0	0	0
Total	0.000078	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	2.2E-6	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.6E-8	0	0	0	0	0
Contaminated Muscle Meat	0.000068	0	0	0	0	1.9E-7
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.037	0	0	0	0	0.51
Total	0.037	0	0	0	0	0.51

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	1.1E-8	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.5E-6	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00036	0	0	0	0	0
Total	0.00036	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0.0002	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.2E-7	0	0	0	0	0
Contaminated Muscle Meat	0.0016	0	0	8.3E-8	1.8E-6	0.00019
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.13	0	0	0	0.016	0.51
Total	0.13	0	0	1.2E-6	0.016	0.52

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00058	0	0	0	0	0
Contaminated Muscle Meat	0.11	0	0	0	0.0002	0.059
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.016	0	0	0	0	0
Total	0.15	0	0	0	0.00032	0.15

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	1.5	0.000028	0.012	0.22	1.4	7.5
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.035	0	0	0	0	0.005
Contaminated Muscle Meat	6.8	1.8	4.2	6.4	9	13
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.1	0	0	0.0058	0.51	7.2
Total	9.5	2.5	5.5	8.2	12	21

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0.025	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00058	0	0	0	0	0
Contaminated Muscle Meat	0.11	0	0	0	0.0002	0.06
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.016	0	0	0	0	0
Total	0.15	0	0	0	0.00032	0.15

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 1: 12 Month Comprehensive SRM (Feed and Food)
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	1.5	0.000029	0.012	0.22	1.4	7.5
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.035	0	0	0	0	0.005
Contaminated Muscle Meat	6.8	1.8	4.2	6.4	9	13
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.51	0.74	7.2
Total	9.6	2.7	5.6	8.4	12	21

Potential Human Exposure (Cattle Oral ID$_{50}$s)
International Committee 2: Prohibition of All Meat and Bone Meal in Ruminant Feed
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.0057	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	9.6E-7	0	0	0	0	0
Total	0.0057	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	3.9E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0013	0	0	0	0	0
Total	1.3	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	3.9E-7	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.24	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	5.1E-8	0	0	0	0	0
AMR	1.8E-6	0	0	0	0	0
Beef on Bone	5.4E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00024	0	0	0	0	0
Total	0.24	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0022	0	0	0	0	0
Spinal Cord	0.00039	0	0	0	0	0
Blood	0.000015	0	0	0	0	0
Distal Ileum	70	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	9.1E-9	0	0	0	0	0
Contaminated Muscle Meat	0.00009	0	0	0	0	4.1E-7
AMR	0.019	0	0	0	0	0.00047
Beef on Bone	0.032	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.08	0	0	0	0.016	0.51
Total	70	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	8.6E-6	0	0	0	0	0
Spinal Cord	6.9E-6	0	0	0	0	0
Blood	9.9E-9	0	0	0	0	0
Distal Ileum	0.42	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.3E-6	0	0	0	0	0
AMR	0.0054	0	0	0	0	0
Beef on Bone	0.0054	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00057	0	0	0	0	0
Total	0.43	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.23	0	0	0	0	0
Spinal Cord	0.016	0	0	0	0	0
Blood	0.00045	0	0	0	0	0
Distal Ileum	160	0	0	8	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	5.5E-7	0	0	0	0	0
Contaminated Muscle Meat	0.0019	0	0	1.9E-7	7.9E-6	0.0004
AMR	0.36	0	0	0	0.003	0.12
Beef on Bone	0.42	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.54
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	8.8	0	0	0	0	0
Spinal Cord	4.2	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00077	0	0	0	0	0
Contaminated Muscle Meat	0.11	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.02	0	0	0	0	0
Total	52	0	0	0	0.28	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000064	0.018	0.28	1.6	7.8
Distal Ileum	210	0	0.096	260	270	600
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7	9.8	14
AMR	1,600	770	1,100	1,500	1,800	2,800
Beef on Bone	820	170	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,500	1,500	2,200	3,000	4,200	8,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	8.8	0	0	0	0	0
Spinal Cord	4.2	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	1.4	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00077	0	0	0	0	0
Contaminated Muscle Meat	0.11	0	0	0	0.00067	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	13	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.02	0	0	0	0	0
Total	53	0	0	0	0.32	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
<SCENARIO>
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.8	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000066	0.018	0.28	1.6	7.8
Distal Ileum	370	0	83	270	520	960
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7	9.8	14
AMR	1,600	770	1,100	1,500	1,800	2,800
Beef on Bone	820	170	380	660	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.012	0.51	1	9.5
Total	3,700	1,600	2,300	3,100	4,300	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.0069	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	6.4E-7	0	0	0	0	0
Total	0.0069	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0012	0	0	0	0	0
Total	1.3	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	2.3E-6	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	2.8E-10	0	0	0	0	0
Distal Ileum	0.27	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.1E-9	0	0	0	0	0
AMR	3.5E-6	0	0	0	0	0
Beef on Bone	3.4E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00024	0	0	0	0	0
Total	0.27	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0048	0	0	0	0	0
Spinal Cord	0.0013	0	0	0	0	0
Blood	6.5E-6	0	0	0	0	0
Distal Ileum	78	0	0	8	24	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	8.4E-9	0	0	0	0	0
Contaminated Muscle Meat	0.000063	0	0	0	0	8.6E-7
AMR	0.012	0	0	0	0	0.00098
Beef on Bone	0.013	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.091	0	0	0	0.016	0.53
Total	78	0	0	8	24	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	2.3E-6	0	0	0	0	0
Spinal Cord	0.000033	0	0	0	0	0
Blood	5.1E-8	0	0	0	0	0
Distal Ileum	0.56	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.000064	0	0	0	0	0
AMR	0.002	0	0	0	0	0
Beef on Bone	0.019	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00057	0	0	0	0	0
Total	0.59	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.21	0	0	0	0	0
Spinal Cord	0.051	0	0	0	0	0
Blood	0.00029	0	0	0	0	0
Distal Ileum	170	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.4E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0018	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.41	0	0	0	0.003	0.13
Beef on Bone	0.38	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.19	0	0	0	0.51	1
Total	170	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	13	0	0	0	0	0
Spinal Cord	3.8	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00094	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00084	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	14	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.019	0	0	0	0	0
Total	56	0	0	0	0.4	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	4.3	330	6,400
Spinal Cord	270	0	0	1.6	130	1,800
Blood	1.6	0.000076	0.021	0.31	1.7	7.9
Distal Ileum	210	0	0.2	260	290	660
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.6	2.2	4.8	7.2	9.9	15
AMR	1,600	780	1,200	1,500	1,900	2,800
Beef on Bone	840	180	390	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,300	3,000	4,300	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	13	0	0	0	0	0
Spinal Cord	3.8	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	1.7	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00094	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00084	0.15
AMR	25	0	0	0	0.0062	200
Beef on Bone	14	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.02	0	0	0	0	0
Total	57	0	0	0	0.52	240

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 1: Pessimistic - Mislabeling and Contamination
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	4.4	330	6,400
Spinal Cord	270	0	0	1.6	130	1,800
Blood	1.6	0.000079	0.021	0.31	1.7	7.9
Distal Ileum	380	0	160	270	530	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.038	0	0	0	0	0.01
Contaminated Muscle Meat	7.6	2.2	4.8	7.2	9.9	15
AMR	1,600	780	1,200	1,500	1,900	2,800
Beef on Bone	840	180	390	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.016	0.51	1	9.5
Total	3,800	1,600	2,400	3,200	4,500	8,600

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.013	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000016	0	0	0	0	0
Total	0.013	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	2.8	0	0	0	0	8
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	3.3E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.003	0	0	0	0	0.016
Total	2.8	0	0	0	0	8

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.000077	0	0	0	0	0
Spinal Cord	0.000047	0	0	0	0	0
Blood	2E-8	0	0	0	0	0
Distal Ileum	2.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.5E-7	0	0	0	0	0
AMR	0.0032	0	0	0	0	0
Beef on Bone	0.0024	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0026	0	0	0	0	0
Total	2.2	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.064	0	0	0	0	0
Spinal Cord	0.0051	0	0	0	0	0
Blood	0.000097	0	0	0	0	0
Distal Ileum	740	32	310	600	1,100	1,600
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.3E-7	0	0	0	0	0
Contaminated Muscle Meat	0.00027	0	0	0	4.1E-7	0.000045
AMR	0.055	0	0	0	0.00042	0.011
Beef on Bone	0.095	0	0	0	0.00084	0.027
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.86	0.016	0.51	0.59	1.1	2.1
Total	740	32	310	600	1,100	1,600

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0003	0	0	0	0	0
Spinal Cord	0.00005	0	0	0	0	0
Blood	0.000066	0	0	0	0	0
Distal Ileum	2.9	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.000019	0	0	0	0	0
AMR	0.023	0	0	0	0	0
Beef on Bone	0.01	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0032	0	0	0	0	0
Total	2.9	0	0	0	0	0.00096

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.51	0	0	0	0	0
Spinal Cord	0.21	0	0	0	0	0
Blood	0.0018	0	0	0	0	0.000051
Distal Ileum	980	260	550	840	1,300	2,100
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.000025	0	0	0	0	0
Contaminated Muscle Meat	0.0076	1.7E-7	4.3E-6	0.000039	0.00027	0.0079
AMR	1.5	0	0.0021	0.013	0.09	2.6
Beef on Bone	1.7	0	0.0012	0.0089	0.072	2.6
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.1	0.032	0.54	1.1	1.6	2.6
Total	990	260	550	850	1,300	2,100

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	25	0	0	0	0	0
Spinal Cord	8.2	0	0	0	0	0
Blood	0.057	0	0	0	0	0
Distal Ileum	2.8	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0017	0	0	0	0	0
Contaminated Muscle Meat	0.25	0	0	0.00019	0.028	3
AMR	52	0	0	0.0016	13	210
Beef on Bone	28	0	0	0	0.0027	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.038	0	0	0	0	0
Total	120	0	0	0.12	95	400

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	1,500	0	8.2	230	1,600	6,800
Spinal Cord	560	0	3.2	79	630	2,600
Blood	3.5	0.019	0.42	1.7	4.7	14
Distal Ileum	590	3.8	260	520	800	1,300
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.088	0	0	0	0	0.2
Contaminated Muscle Meat	16	7	12	16	20	28
AMR	3,400	1,800	2,600	3,300	4,100	5,500
Beef on Bone	1,800	570	1,100	1,700	2,400	3,600
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	3	0	0.51	1	2.2	20
Total	7,900	3,600	5,400	7,200	9,600	15,000

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	25	0	0	0	0	0
Spinal Cord	8.2	0	0	0	0	0
Blood	0.057	0	0	0	0	0
Distal Ileum	5.7	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0017	0	0	0	0	0
Contaminated Muscle Meat	0.25	0	0	0.00019	0.028	3
AMR	52	0	0	0.0022	14	210
Beef on Bone	28	0	0	0	0.0037	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.041	0	0	0	0	0
Total	120	0	0	0.2	96	420

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 2: Pessimistic - Misfeeding
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	1,500	0	8.2	230	1,600	6,800
Spinal Cord	560	0	3.2	80	630	2,600
Blood	3.5	0.019	0.42	1.7	4.7	14
Distal Ileum	1,600	530	1,000	1,500	2,100	3,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.088	0	0	0	0	0.2
Contaminated Muscle Meat	16	7	12	16	20	28
AMR	3,400	1,800	2,600	3,300	4,100	5,500
Beef on Bone	1,800	570	1,100	1,700	2,400	3,600
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	4.2	0.53	1.1	2.1	3.8	21
Total	8,900	4,200	6,300	8,200	11,000	16,000

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.012	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3E-6	0	0	0	0	0
Total	0.012	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	8.3E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0015	0	0	0	0	0
Total	1.2	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.23	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.5E-8	0	0	0	0	0
AMR	0.000074	0	0	0	0	0
Beef on Bone	3.9E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00027	0	0	0	0	0
Total	0.23	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.064	0	0	0	0	0
Spinal Cord	0.00049	0	0	0	0	0
Blood	0.000016	0	0	0	0	0
Distal Ileum	89	0	0	8	260	280
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	4.4E-9	0	0	0	0	0
Contaminated Muscle Meat	0.00007	0	0	0	0	8.6E-7
AMR	0.018	0	0	0	0	0.00098
Beef on Bone	0.029	0	0	0	0	0.0018
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.1	0	0	0	0.016	0.53
Total	89	0	0.00078	8	260	290

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.00034	0	0	0	0	0
Spinal Cord	0.00003	0	0	0	0	0
Blood	1.8E-7	0	0	0	0	0
Distal Ileum	0.5	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.000091	0	0	0	0	0
AMR	0.0085	0	0	0	0	0
Beef on Bone	0.013	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00057	0	0	0	0	0
Total	0.52	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.18	0	0	0	0	0
Spinal Cord	0.062	0	0	0	0	0
Blood	0.00062	0	0	0	0	0
Distal Ileum	180	0	0	24	260	530
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	3E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0018	0	0	1.9E-7	8.9E-6	0.00041
AMR	0.4	0	0	0	0.003	0.24
Beef on Bone	0.47	0	0	0	0.0022	0.15
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.21	0	0	0.016	0.51	1
Total	180	0	0.54	26	260	530

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	12	0	0	0	0	0
Spinal Cord	4.1	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	0.96	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00064	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00084	0.15
AMR	26	0	0	0	0.013	200
Beef on Bone	13	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.019	0	0	0	0	0
Total	56	0	0	0	0.52	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	720	0	0	7.7	330	6,400
Spinal Cord	270	0	0	2.2	130	1,800
Blood	1.7	0.00011	0.025	0.33	1.8	8.1
Distal Ileum	220	0	0.21	260	290	680
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.039	0	0	0	0	0.01
Contaminated Muscle Meat	7.8	2.3	5	7.4	10	15
AMR	1,600	800	1,200	1,500	1,900	2,800
Beef on Bone	870	180	410	710	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.4	0	0	0.11	0.54	9.5
Total	3,700	1,500	2,300	3,100	4,400	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	12	0	0	0	0	0
Spinal Cord	4.1	0	0	0	0	0
Blood	0.026	0	0	0	0	0
Distal Ileum	1.5	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00064	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00084	0.15
AMR	26	0	0	0	0.013	200
Beef on Bone	13	0	0	0	0	45
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.019	0	0	0	0	0
Total	57	0	0	0	0.52	240

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 3: Pessimistic - Render Reduction Factor
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	720	0	0	7.7	330	6,400
Spinal Cord	270	0	0.0054	2.2	130	1,800
Blood	1.7	0.00011	0.025	0.33	1.8	8.1
Distal Ileum	400	0.0049	260	280	540	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.039	0	0	0	0	0.01
Contaminated Muscle Meat	7.8	2.3	5	7.4	10	15
AMR	1,600	800	1,200	1,500	1,900	2,800
Beef on Bone	870	180	410	710	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.6	0	0.016	0.51	1	9.5
Total	3,900	1,700	2,500	3,300	4,600	8,700

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.00032	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.00032	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	1.1	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.19	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	2.3E-8	0	0	0	0	0
AMR	0.000034	0	0	0	0	0
Beef on Bone	0.000034	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.19	0	0	0	0	0

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Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0032	0	0	0	0	0
Spinal Cord	0.0004	0	0	0	0	0
Blood	7.8E-6	0	0	0	0	0
Distal Ileum	71	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	8E-10	0	0	0	0	0
Contaminated Muscle Meat	0.000087	0	0	0	0	4.1E-7
AMR	0.021	0	0	0	0	0.00042
Beef on Bone	0.046	0	0	0	0	0.0018
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	71	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	7.3E-8	0	0	0	0	0
Distal Ileum	0.4	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	5.2E-6	0	0	0	0	0
AMR	0.00029	0	0	0	0	0
Beef on Bone	0.004	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0.4	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.16	0	0	0	0	0
Spinal Cord	0.062	0	0	0	0	0
Blood	0.00029	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.6E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0021	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.34	0	0	0	0.003	0.12
Beef on Bone	0.75	0	0	0.00072	0.0077	0.33
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	160	0	0.0099	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	3.7	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	0.89	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0012	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	24	0	0	0	0.0062	200
Beef on Bone	24	0	0	0	0	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	64	0	0	0	0.64	320

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000084	0.021	0.3	1.7	8
Distal Ileum	210	0	0.2	260	270	660
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.035	0	0	0	0	0.005
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.8	14
AMR	1,600	760	1,100	1,500	1,900	2,800
Beef on Bone	1,500	470	880	1,400	1,900	3,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	4,200	1,900	2,800	3,700	5,000	9,100

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	3.7	0	0	0	0	0
Blood	0.024	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0012	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00067	0.15
AMR	24	0	0	0	0.0062	200
Beef on Bone	24	0	0	0	0	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	64	0	0	0	0.68	320

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 4: Increased Consumption of Bone in Beef Cuts
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	700	0	0	4	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000087	0.021	0.3	1.7	8
Distal Ileum	370	0	120	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.035	0	0	0	0	0.0051
Contaminated Muscle Meat	7.5	2.1	4.8	7.1	9.8	14
AMR	1,600	760	1,100	1,500	1,900	2,800
Beef on Bone	1,500	480	880	1,400	1,900	3,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	4,400	2,000	2,900	3,800	5,200	9,300

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.0065	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.6E-6	0	0	0	0	0
Total	0.0065	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0013	0	0	0	0	0
Total	1.1	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.19	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.5E-6	0	0	0	0	0
AMR	3.3E-7	0	0	0	0	0
Beef on Bone	0.00044	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00022	0	0	0	0	0
Total	0.19	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0084	0	0	0	0	0
Spinal Cord	0.002	0	0	0	0	0
Blood	0.000018	0	0	0	0	0
Distal Ileum	75	0	0	8	24	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	2.3E-8	0	0	0	0	0
Contaminated Muscle Meat	0.000071	0	0	0	0	8.6E-7
AMR	0.025	0	0	0	0	0.00098
Beef on Bone	0.041	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.086	0	0	0	0.016	0.53
Total	75	0	0	8	24	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.000038	0	0	0	0	0
Spinal Cord	1.5E-7	0	0	0	0	0
Blood	0.00032	0	0	0	0	0
Distal Ileum	0.45	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0.00024	0	0	0	0	0
AMR	0.016	0	0	0	0	0
Beef on Bone	0.061	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00047	0	0	0	0	0
Total	0.52	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.38	0	0	0	0	0
Spinal Cord	0.029	0	0	0	0	0
Blood	0.00058	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	9.6E-7	0	0	0	0	0
Contaminated Muscle Meat	0.0025	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.6	0	0	0	0.003	0.14
Beef on Bone	0.6	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.19	0	0	0	0.51	1
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	51	0	0	0	0	0
Spinal Cord	18	0	0	0	0	0
Blood	0.11	0	0	0	0	0
Distal Ileum	2.8	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0026	0	0	0	0	0
Contaminated Muscle Meat	0.52	0	0	0.028	0.055	3
AMR	110	0	0	0.0014	200	400
Beef on Bone	55	0	0	0	0.0018	240
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.079	0	0	0	0	0
Total	230	0	0	3	200	890

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	1,200	0	0.019	8.5	690	6,500
Spinal Cord	460	0	0.0054	3.4	280	2,600
Blood	2.8	0.00015	0.048	0.76	3.6	13
Distal Ileum	240	0	0.41	260	330	770
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.069	0	0	0	0	0.022
Contaminated Muscle Meat	13	4.9	9.2	13	17	23
AMR	2,800	1,500	2,100	2,600	3,300	4,500
Beef on Bone	1,500	360	760	1,400	2,000	3,100
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	2.1	0	0	0.11	0.62	20
Total	6,200	2,700	4,000	5,300	7,400	12,000

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	51	0	0	0	0	0
Spinal Cord	18	0	0	0	0	0
Blood	0.11	0	0	0	0	0
Distal Ileum	3.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.0026	0	0	0	0	0
Contaminated Muscle Meat	0.52	0	0	0.028	0.055	3
AMR	110	0	0	0.0014	200	400
Beef on Bone	55	0	0	0	0.0018	240
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.08	0	0	0	0	0
Total	240	0	0	3	200	890

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 5: Less Effective AM Inspection
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	1,200	0	0.019	8.5	690	6,500
Spinal Cord	460	0	0.0077	3.5	280	2,600
Blood	2.8	0.00015	0.048	0.76	3.6	13
Distal Ileum	400	0.00099	260	290	550	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.069	0	0	0	0	0.022
Contaminated Muscle Meat	13	4.9	9.2	13	17	23
AMR	2,800	1,500	2,100	2,600	3,300	4,500
Beef on Bone	1,500	360	760	1,400	2,000	3,100
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	2.3	0	0.016	0.51	1	20
Total	6,300	2,900	4,200	5,500	7,500	13,000

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.037	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000048	0	0	0	0	0
Total	0.037	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.01	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	9.6E-6	0	0	0	0	0
Total	0.01	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	4	0	0	0	8	16
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0045	0	0	0	0	0.016
Total	4	0	0	0	8	16

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.098	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000099	0	0	0	0	0
Total	0.098	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	3.6E-7	0	0	0	0	0
Blood	2.7E-9	0	0	0	0	0
Distal Ileum	25	0	0	0	8	260
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	3.2E-9	0	0	0	0	0
AMR	1.9E-6	0	0	0	0	0
Beef on Bone	1.4E-6	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.029	0	0	0	0.016	0.032
Total	25	0	0	0.51	8	260

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	2.7	0	0	0	0	0
Spinal Cord	0.75	0	0	0	0	0
Blood	0.005	0	0	0	0	0
Distal Ileum	1.4	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00013	0	0	0	0	0
Contaminated Muscle Meat	0.03	0	0	0	8.6E-7	0.028
AMR	6.8	0	0	0	0	4.9
Beef on Bone	3.3	0	0	0	0	0.034
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0063	0	0	0	0	0
Total	15	0	0	0	0.0011	24

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: 30^+ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	300	0	0	0.2	17	1,500
Spinal Cord	110	0	0	0.079	6.7	580
Blood	0.68	0	0.00089	0.022	0.33	3.8
Distal Ileum	420	0	260	330	530	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.015	0	0	0	0	0.00026
Contaminated Muscle Meat	3.2	0.36	1.3	2.8	4.6	7.8
AMR	670	210	420	600	830	1,400
Beef on Bone	360	28	110	220	470	1,100
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.95	0	0.0006	0.51	1	2.5
Total	1,900	620	1,100	1,500	2,100	4,300

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	2.7	0	0	0	0	0
Spinal Cord	0.75	0	0	0	0	0
Blood	0.005	0	0	0	0	0
Distal Ileum	1.5	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00013	0	0	0	0	0
Contaminated Muscle Meat	0.03	0	0	0	8.6E-7	0.028
AMR	6.8	0	0	0	0	4.9
Beef on Bone	3.3	0	0	0	0	0.034
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0064	0	0	0	0	0
Total	15	0	0	0	0.0014	27

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 6: Longer Incubation Period
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	300	0	0	0.2	17	1,500
Spinal Cord	110	0	0	0.079	6.7	580
Blood	0.68	0	0.00089	0.022	0.33	3.8
Distal Ileum	450	0.021	260	510	590	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.015	0	0	0	0	0.00026
Contaminated Muscle Meat	3.2	0.36	1.3	2.8	4.6	7.8
AMR	670	210	420	600	830	1,400
Beef on Bone	360	28	110	220	470	1,100
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.98	0	0.016	0.51	1	2.6
Total	1,900	640	1,100	1,500	2,200	4,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0	0	0	0	0	0
Total	0	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.1	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0014	0	0	0	0	0
Total	1.1	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.069	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.7E-12	0	0	0	0	0
AMR	8.4E-9	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.000086	0	0	0	0	0
Total	0.069	0	0	0	0	0

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0023	0	0	0	0	0
Spinal Cord	0.00032	0	0	0	0	0
Blood	0.000029	0	0	0	0	0
Distal Ileum	71	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1E-8	0	0	0	0	0
Contaminated Muscle Meat	0.000045	0	0	0	0	4.1E-7
AMR	0.015	0	0	0	0	0.00042
Beef on Bone	0.018	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.083	0	0	0	0.016	0.51
Total	71	0	0	8	16	270

Potential Human Exposure (Cattle Oral $ID_{50}s$)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	9E-7	0	0	0	0	0
Spinal Cord	3.1E-7	0	0	0	0	0
Blood	1.6E-10	0	0	0	0	0
Distal Ileum	0.31	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.1E-6	0	0	0	0	0
AMR	0.004	0	0	0	0	0
Beef on Bone	0.0024	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00035	0	0	0	0	0
Total	0.32	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.1	0	0	0	0	0
Spinal Cord	0.056	0	0	0	0	0
Blood	0.00027	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	1.2E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0016	0	0	1.9E-7	8.7E-6	0.0004
AMR	0.36	0	0	0	0.003	0.12
Beef on Bone	0.37	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	1
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	3.6	0	0	0	0	0
Blood	0.023	0	0	0	0	0
Distal Ileum	0.99	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00042	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00032	0.073
AMR	24	0	0	0	0.0014	200
Beef on Bone	12	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.018	0	0	0	0	0
Total	52	0	0	0	0.15	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000068	0.02	0.3	1.7	8
Distal Ileum	210	0	0.19	260	270	620
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.9	14
AMR	1,600	770	1,100	1,500	1,800	2,800
Beef on Bone	830	170	390	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3	0	0	0.053	0.52	9.5
Total	3,600	1,500	2,200	3,000	4,200	8,400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	11	0	0	0	0	0
Spinal Cord	3.6	0	0	0	0	0
Blood	0.023	0	0	0	0	0
Distal Ileum	1.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00042	0	0	0	0	0
Contaminated Muscle Meat	0.12	0	0	0	0.00032	0.073
AMR	24	0	0	0	0.0014	200
Beef on Bone	12	0	0	0	0	27
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.018	0	0	0	0	0
Total	52	0	0	0	0.16	220

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 7: Low Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	3.9	330	6,400
Spinal Cord	260	0	0	1.5	130	1,800
Blood	1.6	0.000072	0.02	0.3	1.7	8
Distal Ileum	370	0	120	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.037	0	0	0	0	0.01
Contaminated Muscle Meat	7.5	2.1	4.7	7.1	9.9	14
AMR	1,600	770	1,100	1,500	1,800	2,800
Beef on Bone	830	170	390	670	1,200	2,000
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.015	0.51	1	9.5
Total	3,700	1,600	2,400	3,100	4,400	8,500

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 11 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.0067	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	0	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.3E-6	0	0	0	0	0
Total	0.0067	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to11 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	1.2	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.7E-12	0	0	0	0	0
AMR	0	0	0	0	0	0
Beef on Bone	0	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.0015	0	0	0	0	0
Total	1.2	0	0	0	0	0.016

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0	0	0	0	0	0
Spinal Cord	0	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.16	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0	0	0	0	0	0
Contaminated Muscle Meat	1.2E-9	0	0	0	0	0
AMR	4.1E-6	0	0	0	0	0
Beef on Bone	4.9E-7	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00024	0	0	0	0	0
Total	0.16	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 23 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.0074	0	0	0	0	0
Spinal Cord	0.0014	0	0	0	0	0
Blood	0.00004	0	0	0	0	0
Distal Ileum	71	0	0	8	16	270
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	3.4E-7	0	0	0	0	0
Contaminated Muscle Meat	0.000037	0	0	0	0	8.6E-7
AMR	0.014	0	0	0	0	0.00047
Beef on Bone	0.016	0	0	0	0	0.00084
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.083	0	0	0	0.016	0.51
Total	71	0	0	8	16	270

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	5.9E-6	0	0	0	0	0
Spinal Cord	1.6E-6	0	0	0	0	0
Blood	0	0	0	0	0	0
Distal Ileum	0.45	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	2.3E-8	0	0	0	0	0
Contaminated Muscle Meat	0.00025	0	0	0	0	0
AMR	0.049	0	0	0	0	0
Beef on Bone	0.073	0	0	0	0	0
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.00052	0	0	0	0	0
Total	0.58	0	0	0	0	0

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 0 to 29 Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	0.15	0	0	0	0	0
Spinal Cord	0.06	0	0	0	0	0
Blood	0.00042	0	0	0	0	0
Distal Ileum	160	0	0	16	260	520
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	2.8E-6	0	0	0	0	0
Contaminated Muscle Meat	0.0016	0	0	1.9E-7	8.9E-6	0.0004
AMR	0.37	0	0	0	0.003	0.12
Beef on Bone	0.37	0	0	0	0.0018	0.12
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.18	0	0	0	0.51	0.56
Total	160	0	0.51	16	260	520

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	22	0	0	0	0	0
Spinal Cord	8.6	0	0	0	0	0
Blood	0.054	0	0	0	0	0
Distal Ileum	1.8	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00069	0	0	0	0	0
Contaminated Muscle Meat	0.27	0	0	1.8E-6	0.028	3
AMR	54	0	0	0	2.3	200
Beef on Bone	29	0	0	0	0	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.039	0	0	0	0	0
Total	120	0	0	0.0018	57	400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: 30$^+$ Months
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	4	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000069	0.019	0.29	1.7	7.9
Distal Ileum	210	0	0.12	260	270	620
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.039	0	0	0	0	0.01
Contaminated Muscle Meat	7.4	2.1	4.7	7	9.8	14
AMR	1,600	760	1,100	1,500	1,800	2,700
Beef on Bone	820	170	380	650	1,200	1,900
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.4	0	0	0.053	0.52	9.5
Total	3,500	1,500	2,200	3,000	4,100	8,300

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Non-Ambulatory

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	22	0	0	0	0	0
Spinal Cord	8.6	0	0	0	0	0
Blood	0.054	0	0	0	0	0
Distal Ileum	2.3	0	0	0	0	0
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.00069	0	0	0	0	0
Contaminated Muscle Meat	0.27	0	0	1.8E-6	0.028	3
AMR	54	0	0	0	2.3	200
Beef on Bone	29	0	0	0	0	120
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	0.039	0	0	0	0	0
Total	120	0	0	0.0024	72	400

Potential Human Exposure (Cattle Oral ID$_{50}$s)
Sensitivity 8: High Value for Probability of Non-clinical Animals Becoming Non-ambulatory
50,000 Simulation Runs
Age Range: All
Ambulatory Status: Normal

Label	Mean	5th	25th	50th	75th	95th
Human Exposure						
Brain	690	0	0	4	330	6,400
Spinal Cord	250	0	0	1.5	130	1,800
Blood	1.6	0.000072	0.019	0.29	1.7	7.9
Distal Ileum	370	0	92	270	520	1,000
Contaminated Organ Meat	0	0	0	0	0	0
Eyes	0.039	0	0	0	0	0.01
Contaminated Muscle Meat	7.4	2.1	4.7	7	9.8	14
AMR	1,600	760	1,100	1,500	1,800	2,700
Beef on Bone	820	170	380	660	1,200	1,900
Trigeminal Ganglia	0	0	0	0	0	0
Tonsils	1.5	0	0.015	0.51	1	9.5
Total	3,700	1,600	2,300	3,100	4,300	8,500