





























Exc	ample a	of Moc	lel out	outs	
TABLE 4. Sa	lmonellosis ris	k per serving	for consump	tion of almond	ds in the U.S. population ^a
Only show data for out of	for out of hand boked by consumer		Almonds consumed as core product not cooked at home		
almonds not cooked by c				Quantiles of	of variability
Treatment (log)		Mean	SD	50%	97.5%
0	Estimate	9.3E-07	1.3E-05	1.2E-08	4.9E-06
	95% CI ^b	6.4E-07	5.4E-06	3.8E-09	3.3E-06
		1.9E-06	8.0E-05	2.4E-08	6.7E-06
1	Estimate	9.3E-08	1.2E-06	1.1E-09	5.0E-07
	95% CI	6.5E-08	5.5E-07	3.7E-10	3.4E-07
		1.9E-07	9.2E-06	2.3E-09	6.6E-07
2	Estimate	9.5E-09	1.3E-07	1.2E - 10	4.8E-08
	95% CI	6.4E-09	5.7E-08	3.9E-11	3.1E-08
		2.0E - 08	9.8E-07	2.4E-10	6.5E-08
3	Estimate	9.4E-10	1.3E-08	1.2E-11	4.6E-09
	95% CI	6.4E-10	5.9E-09	4.0E - 12	3.0E-09
		2.0E - 09	1.1E-07	2.5E-11	6.2E-09
4	Estimate	9.5E-11	1.5E-09	1.2E - 12	4.9E-10
	95% CI	6.2E-11	5.7E-10	4.0E-13	3.3E-10
		2.1E - 10	1.1E-08	2.5E-12	6.5E-10
5	Estimate	9.5E-12	1.3E-10	1.2E-13	4.9E-11
	95% CI	6.4E-12	5.4E-11	4.0E - 14	3.3E-11
		2.1E-11	1.1E-09	2.5E-13	6.7E-11
			S	antillana	Farakos et al., 201



	per billion servings (95% CI - variability)	No. cases per year (95% CI - variability)
Lambertini et al., 2012		

Almond Treatment	Mean No. cases per billion servings (95% CI - variability)	Mean No. cases per year (95% CI - variability)
Lambertini et al., 2012		
Baseline: all commercially processed	0.0084 (Not done)	0.037 (Not done)
FDA Baseline 0 log (all raw)	930 (12 to 13,000)	1,697 (1,162 to 3,501)

	Mean No. cases per year (95% CI - <mark>variability</mark>)	
0.0084 (Not done)	0.037 (Not done)	
930 (12 to 13,000)	1,697 (1,162 to 3,501)	
0.94 (0.012 to 13)	2 (1 to 4)	
.095 (0.0012 to 1.5)	<1 (<1 to <1)	
= ~1 log (10-fold) cha	ange in outcome	
)	0.0084 (Not done) 930 (12 to 13,000) 0.94 (0.012 to 13) 0.095 (0.0012 to 1.5) = ~1 log (10-fold) cha	

Almond Treatment		Mean No. cases per billion servings (95% CI - variability)	Mean No. cases per year (95% CI - variability)	
Lá	ambertini et al., 2012			
Baseline	all commercially processed	0.0084 (Not done)	0.037 (Not done)	
FDA	Baseline 0 log (all raw)	930 (12 to 13,000)	1,697 (1,162 to 3,501)	
	FDA 3 log	0.94 (0.012 to 13)	2 (1 to 4)	
	FDA 4 log	0.095 (0.0012 to 1.5)	<1 (<1 to <1)	
Incortaintu	FDA 4 log 2.5th	0.062 (0.0004 to 0.57)	N/A	
Uncertainty	FDA 4 log 97.5th	0.21 (0.0025 to 11)	N/A	



































So what's next?

- ABC petition FDA for recognition of 4-log treatment as "pasteurized"
- An FDA risk management decision





