Appendix A. Distribution of MICs and Occurrence of Resistance to Ciprofloxacin, by Year and Animal Source, 1997-2010

Isolate Source	Year (# of Isolates)	%I[1]	%R[2]	95% CI[3]	Distribution (%) of MICs (µg/ml)[4] 0.015	0.03	0.06	0.125	0.25	0.50	1	2	4	8
Chickens	1997 (214)	0.0	0.0	0.0-2.2	92.1	7.9								
	1998 (561)	0.0	0.2	0-1.2	67.6	31.7	0.5				0.2			
	1999 (1438)	0.2	0.1	0-0.5	63.7	35.0	1.0		0.2		0.1			
	2000 (1173)	0.6	0.0	0.0-0.4	94.9	4.1	0.4	0.4	0.2					
	2001 (1307)	0.0	0.0	0.0-0.4	93.6	6.3	0.1							
	2002 (1500)	0.7	0.1	0-0.5	95.6	3.5	0.1	0.3	0.4	0.1	0.1			
	2003 (1158)	0.3	0.1	0-0.6	98.1	1.6		0.1		0.2				0.1
	2004 (1280)	0.4	0.0	0.0-0.4	98.2	1.4		0.3	0.1					
	2005 (1989)	0.3	0.0	0.0-0.2	96.2	3.5	0.1	0.2	0.1					
	2006 (1380)	0.1	0.0	0.0-0.3	95.7	3.5	0.7	0.1						
	2007 (994)	0.1	0.0	0.0-0.5	79.6	18.3	2.0	0.1						
	2008 (624)	0.0	0.0	0.0-0.8	93.4	6.4	0.2							
	2009 (551)	0.0	0.0	0.0-0.9	90.4	9.6								
	2010 (564)	0.0	0.0	0.0-0.8	84.0	16.0								
Turkeys	1997 (107)	2.8	0.0	0.0-4.3	77.6	15.9	3.7		2.8					
	1998 (240)	1.7	0.4	0-2.6	60.4	35.4	2.1		1.2	0.4	0.4			
	1999 (713)	5.3	0.0	0.0-0.7	58.2	35.3	1.1	0.4	3.8	1.1				
	2000 (518)	5.0	0.4	0.1-1.6	86.3	7.3	1.0	0.4	3.3	1.4	0.4			
	2001 (550)	4.9	0.2	0-1.2	83.3	11.1	0.5	0.9	2.2	1.8	0.2			
	2002 (244)	4.9	0.4	0-2.6	89.3	5.3		0.4	2.9	1.6	0.4			
	2003 (262)	3.1	0.0	0.0-1.8	92.7	3.4	0.8	1.9	1.1					
	2004 (236)	2.1	0.0	0.0-2.0	94.1	3.4	0.4		1.7	0.4				
	2005 (227)	2.2	0.0	0.0-2.1	91.2	6.6			1.8	0.4				
	2006 (304)	0.7	0.0	0.0-1.6	95.7	3.6		0.7						
	2007 (271)	1.1	0.0	0.0-1.7	74.5	21.8	2.6		0.7	0.4				
	2008 (148)	0.7	0.0	0.0-3.2	95.3	4.1		0.7						
	2009 (121)	0.8	0.0	0.0-3.8	97.5	1.7			0.8					
	2010 (151)	0.7	0.0	0.0-3.1	96.7	1.3	1.3		0.7					
Cattle	1997 (24)	0.0	0.0	0.0-17.2	83.3	16.7								
	1998 (284)	0.0	0.0	0.0-1.7	71.5	27.1	1.4							
	1999 (1610)	0.1	0.0	0.0-0.3	58.4	40.7	0.7		0.1	0.1				
	2000 (1388)	0.4	0.0	0.0-0.3	95.0	4.3	0.2		0.4	0.1				
	2001 (893)	0.3	0.0	0.0-0.5	95.1	4.0	0.6		0.3					
	2002 (1008)	0.3	0.0	0.0-0.5	93.2	5.8	0.8	0.1	0.1	0.1				
	2003 (670)	0.6	0.0	0.0-0.7	96.1	3.3		0.1	0.4					
	2004 (607)	1.8	0.0	0.0-0.8	96.7	1.3	0.2	0.3	0.8	0.7				
	2005 (329)	1.5	0.0	0.0-1.4	92.1	6.4		0.3	0.9	0.3				
	2006 (389)	0.3	0.3	0-1.7	96.4	2.8	0.3	0.3			0.3			
	2007 (439)	0.7	0.0	0.0-1.1	79.0	18.7	1.6	0.2		0.5				
	2008 (443)	0.7	0.0	0.0-1.1	91.9	7.0	0.5		0.7					
	2009 (200)	1.0	0.0	0.0-2.3	95.5	3.0	0.5		0.5	0.5				
	2010 (247)	2.8	0.0	0.0-1.9	87.0	10.1			2.4	0.4				
Swine	1997 (111)	0.0	0.0	0.0-4.2	78.4	18.9	2.7							
	1998 (793)	0.0	0.0	0.0-0.6	64.1	34.8	1.1							
	1999 (876)	0.0	0.0	0.0-0.5	61.2	37.6	1.3							
	2000 (451)	0.0	0.0	0.0-1.1	93.3	5.8	0.9							
	2001 (418)	0.0	0.0	0.0-1.1	88.3	11.7								
	2002 (379)	0.3	0.0	0.0-1.3	93.7	5.5	0.5	0.3						
	2003 (211)	0.0	0.0	0.0-2.2	94.8	5.2								
	2004 (308)	0.0	0.0	0.0-1.5	96.1	3.9								
	2005 (301)	0.3	0.0	0.0-1.6	92.0	7.6			0.3					
	2006 (304)	0.0	0.0	0.0-1.6	95.1	4.3	0.7							
	2007 (211)	0.0	0.0	0.0-2.2	81.5	17.5	0.9							
	2008 (111)	0.0	0.0	0.0-4.2	95.5	4.5								
	2009 (120)	0.0	0.0	0.0-3.9	92.5	7.5								
	2010 (111)	0.0	0.0	0.0-4.2	95.5	2.7	1.8							

[1] Percent of isolates with intermediate susceptibility according to the new breakpoints to be applied in the 2011 Report, Intermediate (I): MIC=0.12-0.5 µg/ml

[2] Percent of isolates that were resistant according to the new breakpoints to be applied in the 2011 Report, Resistant (R): MIC $\geq$1 µg/ml

[3] 95% confidence intervals for percent resistant (%R) were calculated using the Wilson interval with continuity correction method

[4] The unshaded areas indicate the range of dilutions tested for each antimicrobial. Single vertical bars indicate the breakpoints for susceptibility, while double vertical bars indicate the breakpoints for resistance. Numbers in the shaded area indicate the percentages of isolates with MICs greater than the highest tested concentrations. Numbers listed for the lowest tested concentrations represent the percentages of isolates with MICs equal to or less than the lowest tested concentration.