

Appendix 1 (as supplied by the authors): Incidence of CDI based on location of acquisition and onset (2005 to 2014)

Characteristic	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Overall										
# of hospitalized CDI cases	3030	3068	3354	3481	2816	3161	3836	3919	3687	3557
CDI cases/100,000 PYs (CI)	31.41 (30.29 - 32.53)	31.36 (30.25 - 32.47)	33.89 (32.74 - 35.04)	34.70 (33.55 - 35.86)	27.67 (26.64 - 28.69)	30.62 (29.55 - 31.68)	36.67 (35.51 - 37.83)	36.97 (35.81 - 38.13)	34.34 (33.23 - 35.45)	32.80 (31.73 - 33.88)
CDI cases/1000 hospital-days (CI)	0.52 (0.50 - 0.54)	0.55 (0.53 - 0.57)	0.58 (0.56 - 0.60)	0.59 (0.57 - 0.61)	0.49 (0.47 - 0.50)	0.55 (0.53 - 0.57)	0.66 (0.64 - 0.68)	0.68 (0.65 - 0.70)	0.63 (0.61 - 0.66)	0.61 (0.59 - 0.63)
ACH-acquired/ACH-onset										
# of hospitalized CDI cases	1522	1591	1768	1868	1473	1680	1966	1902	1865	1637
CDI cases/100,000 PYs (95% CI)	15.78 (14.99 - 16.57)	16.26 (15.46 - 17.06)	17.86 (17.03 - 18.70)	18.62 (17.78 - 19.47)	14.47 (13.73 - 15.21)	16.27 (15.49 - 17.05)	18.79 (17.96 - 19.62)	17.94 (17.14 - 18.75)	17.37 (16.58 - 18.16)	15.10 (14.37 - 15.83)
CDI cases/1000 hospital-days (95% CI)	0.26 (0.25 - 0.27)	0.28 (0.27 - 0.30)	0.31 (0.29 - 0.32)	0.32 (0.30 - 0.33)	0.25 (0.24 - 0.27)	0.29 (0.28 - 0.31)	0.34 (0.32 - 0.35)	0.33 (0.31 - 0.34)	0.32 (0.31 - 0.34)	0.28 (0.27 - 0.29)
ACH- or LTCF-acquired/ACH-onset										
# of hospitalized CDI cases	125	125	128	128	82	50	54	60	47	43
CDI cases/100,000 PYs (95% CI)	1.30 (1.07 - 1.52)	1.28 (1.05 - 1.50)	1.29 (1.07 - 1.52)	1.28 (1.06 - 1.50)	0.81 (0.63 - 0.98)	0.48 (0.35 - 0.62)	0.52 (0.38 - 0.65)	0.57 (0.42 - 0.71)	0.44 (0.31 - 0.56)	0.40 (0.28 - 0.52)
LTCF-acquired/LTCF-onset										
# of hospitalized CDI cases	66	96	119	115	67	14	27	15	11	14
CDI cases/100,000 PYs (95% CI)	0.68 (0.52 - 0.85)	0.98 (0.79 - 1.18)	1.20 (0.99 - 1.42)	1.15 (0.94 - 1.36)	0.66 (0.50 - 0.82)	0.14 (0.06 - 0.21)	0.26 (0.16 - 0.36)	0.14 (0.07 - 0.21)	0.10 (0.04 - 0.16)	0.13 (0.06 - 0.20)
LTCF- or ACH-acquired/LTCF-onset										
# of hospitalized CDI cases	75	108	106	107	83	86	106	105	72	89
CDI cases/100,000 PYs (95% CI)	0.78 (0.60 - 0.95)	1.10 (0.90 - 1.31)	1.07 (0.87 - 1.27)	1.07 (0.86 - 1.27)	0.82 (0.64 - 0.99)	0.83 (0.66 - 1.01)	1.01 (0.82 - 1.21)	0.99 (0.80 - 1.18)	0.67 (0.52 - 0.83)	0.82 (0.65 - 0.99)
CDI cases/1000 hospital-days (95% CI)	0.01 (0.01 - 0.02)	0.02 (0.02 - 0.02)	0.02 (0.01 - 0.02)	0.02 (0.01 - 0.02)	0.01 (0.01 - 0.02)	0.02 (0.01 - 0.02)	0.02 (0.01 - 0.02)	0.02 (0.01 - 0.02)	0.01 (0.01 - 0.02)	0.02 (0.01 - 0.02)
Community-acquired/community-onset										
# of hospitalized CDI cases	587	514	534	573	535	669	876	990	901	1037
CDI cases/100,000 PYs (95% CI)	6.09 (5.59 - 6.58)	5.25 (4.80 - 5.71)	5.40 (4.94 - 5.85)	5.71 (5.24 - 6.18)	5.26 (4.81 - 5.70)	6.48 (5.99 - 6.97)	8.37 (7.82 - 8.93)	9.34 (8.76 - 9.92)	8.39 (7.84 - 8.94)	9.56 (8.98 - 10.15)
ACH-acquired/community-onset										
# of hospitalized CDI cases	655	634	699	690	576	662	807	847	791	737
CDI cases/100,000 PYs (95% CI)	6.79 (6.27 - 7.31)	6.48 (5.98 - 6.99)	7.06 (6.54 - 7.59)	6.88 (6.37 - 7.39)	5.66 (5.20 - 6.12)	6.41 (5.92 - 6.90)	7.71 (7.18 - 8.25)	7.99 (7.45 - 8.53)	7.37 (6.85 - 7.88)	6.80 (6.31 - 7.29)
CDI cases/1000 hospital-days (95% CI)	0.11 (0.10 - 0.12)	0.11 (0.10 - 0.12)	0.12 (0.11 - 0.13)	0.12 (0.11 - 0.13)	0.10 (0.09 - 0.11)	0.12 (0.11 - 0.12)	0.14 (0.13 - 0.15)	0.15 (0.14 - 0.16)	0.14 (0.13 - 0.15)	0.13 (0.12 - 0.13)

ACH-onset CDI was calculated using patient-days at hospital as the denominator. The denominator of LTCF-onset CDI was the number of PYs living in LTCF for residents. The denominator for community-onset CDI was the number of PYs for individuals living in the community (not in LTCFs).