



Correction to: Magnitude and direction of the association between *Clostridium difficile* infection and proton pump inhibitors in adults and pediatric patients: a systematic review and meta-analysis

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In the original publication of the article, Table 1 and Figs. 2a, 2b, 3a were published with errors. The correct Table 1 and Figs. 2a, 2b, 3a are given in this correction.

The original article can be found online at <https://doi.org/10.1007/s00535-017-1369-3>.

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Table 1 Characteristics of the included studies

Author	Year	Country	Study type	Setting	Recurrence or not	Duration of PPI use
Shah et al. [40]	2000	UK	Case-control	Inpatient	New patient	< 16 weeks
Cunningham et al. [41]	2003	UK	Case-control	Inpatient	New patient	< 2 months
Dial et al. [42]	2004	Canada	Both	Inpatient	New patient	Not specified
Dial et al. [43]	2005	UK	Case-control	Community	New patient	< 90 day
Modena et al. [44]	2005	USA	Case-control	Inpatient	New patient	Not specified
Al-Tureihi et al. [45]	2005	USA	Case-control	Inpatient	New patient	Not specified
Loo et al. [35]	2005	Canada	Case-control	Inpatient	New patient	≤ 6 weeks
Muto et al. [46]	2005	USA	Case-control	Inpatient	New patient	Not specified
Kazakova et al. [47]	2006	USA	Case-control	Inpatient	New patient	Not specified
Yearsley et al. [36]	2006	UK	Case-control	Inpatient	New patient	< 90 Day
Lowe et al. [48]	2006	Canada	Case-control	Inpatient	New patient	Specified
Dial et al. [49]	2006	UK	Case-control	Community	New patient	< 90 Day
Akhtar et al. [50]	2007	UK	Case-control	Inpatient	New patient	Not specified
Jayatilaka et al. [51]	2007	USA	Case-control	Inpatient	New patient	Not specified
Dubberke et al. [52]	2007	USA	Cohort	Inpatient	New patient	Not specified
Cadle et al. [53]	2007	USA	Cohort	Inpatient	Recurrence	7 days or more
McFarland et al. [54]	2007	USA	Case-control	Inpatient	New patient	Not specified
Aseeri et al. [55]	2008	USA	Case-control	Inpatient	New patient	Not specified
Baxter et al. [56]	2008	USA	Case-control	Inpatient	New patient	Not specified
Debast et al. [57]	2009	The Netherlands	Case-control	Inpatient	New patient	Not specified
Dalton et al. [58]	2009	Canada	Cohort	Inpatient	New patient	18.7 ± 21.5
Kim et al. [59]	2010	South Korea	Case-control	Inpatient	Recurrence	Not specified
Howell et al. [37]	2010	USA	Cohort	Inpatient	New patient	Not specified
Linsky et al. [60]	2010	USA	Cohort	Both	Recurrence	Not specified
Turco et al. [61]	2010	Italy	Case-control	Inpatient	New patient	Not specified
Bajaj et al. [62]	2010	USA	Case-control	Inpatient	New patient	Not specified
Linney et al. [63]	2010	USA	Case-control	Inpatient	New patient	Not specified
Manges et al. [64]	2010	Canada	Case-control	Inpatient	New patient	Not specified
Jenkins et al. [65]	2010	UK	Case-control	Inpatient	New patient	Not specified
Stevens et al. [66]	2011	USA	Cohort	Inpatient	New patient	Not specified
Naggie et al. [67]	2011	USA	Case-control	Community	New patient	Not specified
Hensgens et al. [68]	2011	The Netherlands	Case-control	Inpatient	New patient	Not specified
Loo et al. [5]	2011	Canada	Cohort	Inpatient	New patient	< 8 weeks
Kim et al. [69]	2012	South Korea	Case-control	Inpatient	Recurrence	< 2 months
Leonard et al. [70]	2012	UK	Case-control	Inpatient	New patient	> 30 days
Vesteinsdottir et al. [38]	2012	Iceland	Case-control	Inpatient	New patient	Not specified
Lupse et al. [71]	2013	Romania	Case-control	Inpatient	Recurrence	Not specified
Samie et al. [72]	2013	Germany	Case-control	Inpatient	Recurrence	Not specified
Mizui et al. [73]	2013	Japan	Case-control	Inpatient	New patient	Not specified
Freedberg et al. [74]	2013	USA	Case-control	Inpatient	Recurrence	< 3 months
Campbell et al. [75]	2013	USA	Case-control	Inpatient	New patient	Not specified
Barletta et al. [76]	2013	USA	Case-control	Inpatient	New patient	5 days
Rodríguez-Pardo et al. [7]	2013	Spain	Case-control	Inpatient	Recurrence	Not specified
Hebert et al. [8]	2013	USA	Cohort	Inpatient	Recurrence	Not specified
Wang et al. [39]	2014	China	Cohort	Inpatient	New patient	Not specified
Pakyz et al. [77]	2014	USA	Case-control	Inpatient	New patient	Not specified
Novack et al. [15]	2014	USA	Case-control	Inpatient	New patient	Not specified
Barletta et al. [78]	2014	USA	Case-control	Inpatient	New patient	Not specified

Table 1 continued

Author	Year	Country	Study type	Setting	Recurrence or not	Duration of PPI use
Samady et al. [79]	2014	USA	Case-control	Inpatient	New patient	Not specified
Zhu et al. [80]	2014	China	Case-control	Inpatient	New patient	Not specified
Sathyendran et al. [81]	2014	New Zealand	Case-control	Inpatient	New patient	Not specified
Brown et al. [16]	2015	USA	Case-control	Inpatient	New patient	Not specified
Freedberg et al. [82]	2015	USA	Case-control	Inpatient	New patient	Not specified
Abdelfatah et al. [83]	2015	USA	Case-control	Both	Recurrence	Not specified
McDonald et al. [84]	2015	Canada	Cohort	Inpatient	Recurrence	< 3 months
Jimenez et al. [85]	2015	USA	Case-control	Both	New patient	Not specified
Ticinesi et al. [86]	2015	Italy	Cohort	Inpatient	New patient	Not specified
Hikone et al. [87]	2015	Japan	Cohort	Both	Recurrence	Not specified
Ramos-Martínez et al. [88]	2016	Spain	Case-control	Inpatient	New patient	Not specified
Depoorter et al. [89]	2016	Belgium	Case-control	Inpatient	New patient	Not specified
Faleck et al. [22]	2016	USA	Cohort	Inpatient	New patient	Not specified
Gordon et al. [90]	2016	USA	Cohort	Both	New patient	Not specified
Imlay et al. [91]	2016	USA	Case-control	Both	New patient	Not specified
Lewis et al. [92]	2016	USA	Cohort	Both	New patient	Not specified
Ramos et al. [93]	2016	Spain	Case-control	Inpatient	New patient	< 3 months
Ro et al. [94]	2016	South Korea	Cohort	Inpatient	New patient	Not specified
Rogala et al. [95]	2016	USA	Case-control	Inpatient	New patient	< 3 months

Figure 2

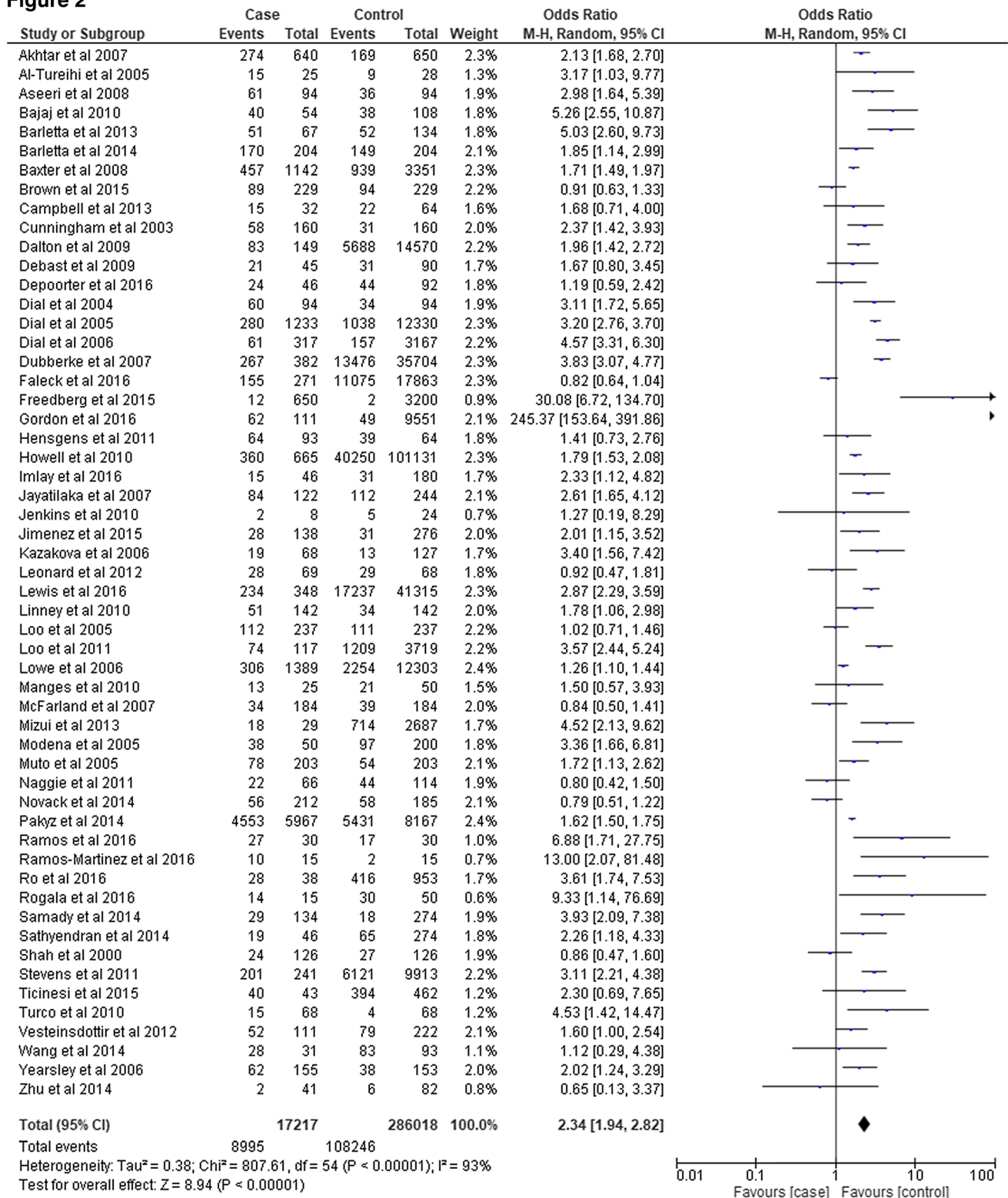


Figure 2

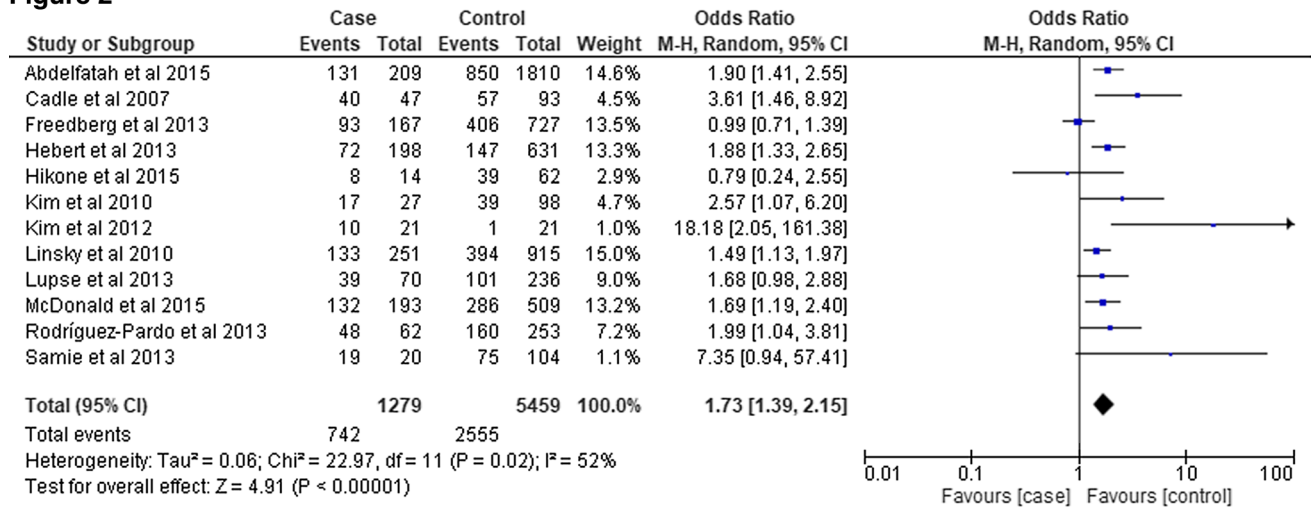


Figure 3

