

Supplementary Tables

Table 1: Details of Risk of Bias Analysis

| Criteria | | | | | | | | | | |
|-----------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | 1, Was the sample representative of the target population? | | | | | | | | | |
| | 2, Were study participants recruited in an appropriate way? | | | | | | | | | |
| | 3, Was the sample size adequate? | | | | | | | | | |
| | 4, Were the study subjects and the setting described in detail? | | | | | | | | | |
| | 5, Was the data analysis conducted with sufficient coverage of the identified sample? | | | | | | | | | |
| | 6, Were objective, standard criteria used for the measurement of the condition? | | | | | | | | | |
| | 7, Was the condition measured reliably? | | | | | | | | | |
| | 8, Was there appropriate statistical analysis? | | | | | | | | | |
| | 9, Are all important confounding factors/subgroups/differences identified and accounted for? | | | | | | | | | |
| | 10, Were subpopulations identified using objective criteria? | | | | | | | | | |
| Publication | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Acharya et al., 2014 | yes | unclear | yes | yes | yes | yes | yes | yes | yes | NA |
| Anbumani et al., 2010 | unclear | unclear | no | yes | NA | yes | yes | NA | no | NA |
| Angrup, et al., 2016 | yes | unclear | no | yes | yes | yes | yes | yes | yes | NA |
| Bansal, et al., 2004 | yes | no | no | no | yes | yes | yes | yes | yes | NA |
| Dey, et al., 2000 | yes | unclear | no | yes | yes | yes | yes | yes | yes | NA |
| Dey, et al., 1997 | yes | unclear | no | yes | yes | yes | yes | yes | yes | yes |
| Dharmadhikari, et al., 2013 | yes | unclear | no | no | unclear | yes | yes | yes | no | NA |
| Dorairaj, et al., 2015 | yes | unclear | no | yes | yes | no | yes | no | no | NA |
| Jain, et al., 2014 | yes | unclear | no | yes | yes | no | yes | yes | no | yes |
| Kejriwal, et al., 2015 | yes | unclear | no | yes | yes | no | yes | no | no | NA |
| Khadanga, et al., 2014 | yes | unclear | no | no | yes | yes | yes | no | no | NA |
| Menon, et al., 2013 | yes | unclear | no | yes | yes | no | yes | NA | no | NA |
| Mythri, et al., 2013 | yes | unclear | no | yes | yes | yes | yes | yes | no | NA |
| Ravindranath, et al., 2016 | yes | unclear | no | yes | yes | no | yes | no | no | yes |
| Shah, et al., 2010 | yes | unclear | no | yes | no | no | yes | no | yes | NA |
| Shrikhande, et al., 2015 | yes | unclear | no | yes | no | no | yes | no | no | NA |
| Sreekanth and Reddy, 2015 | yes | unclear | no | yes | no | no | yes | yes | no | yes |

Table 2: Etiology Data of Studies for All Organisms

| Etiological Agent (EA) | No. of subjects with EA | Total No. of subjects with confirmed culture report | Total No. of subjects with CAP | Percentage of Occurrences | Reference First Author (Year) |
|------------------------|-------------------------|---|--------------------------------|----------------------------|------------------------------------|
| <i>S. pneumoniae</i> | 19 | 65 | 104 | 18.3% | Dharmadhikari <i>et al.</i> , 2013 |
| | 10 | 38 | 100 | 10.0% | Mythri <i>et al.</i> , 2013 |
| | 10 | 29 | 50 | 20.0% | Sreekanth and Reddy, 2015 |
| | 19 | 53 | 70 | 27.1% | Bansal <i>et al.</i> , 2003 |
| | 6 | 11 | 72 | 8.3% | Dey <i>et al.</i> , 1997 |
| | 68 | 149 | 464 | 14.7% | Khadanga <i>et al.</i> , 2014 |
| | 1 | 29 | 100 | 1.0% | Shah <i>et al.</i> , 2010 |
| | 20 | 55 | 120 | 16.7% | Jain <i>et al.</i> , 2014 |
| | 34 | 60 | 60 | 56.7% | Kejriwal <i>et al.</i> , 2015 |
| | 11 | 26 | 50 | 22.0% | Shrikhande <i>et al.</i> , 2015 |
| | 12 | 39 | 100 | 12.0% | Acharya <i>et al.</i> , 2014 |
| 47 | 145 | 145 | 32.4% | Menon <i>et al.</i> , 2013 | |
| Total | 257 | 699 | 1435 | Range= 1.0–56.7% | 19.0% |
| <i>K. pneumoniae</i> | 17 | 65 | 104 | 16.34% | Dharmadhikari <i>et al.</i> , 2013 |
| | 21 | 38 | 100 | 21.0% | Mythri <i>et al.</i> , 2013 |
| | 12 | 29 | 50 | 24.0% | Sreekanth and Reddy, 2015 |
| | 12 | 53 | 70 | 17.14% | Bansal <i>et al.</i> , 2003 |
| | 3 | 11 | 72 | 4.16% | Dey <i>et al.</i> , 1997 |
| | 29 | 149 | 464 | 6.25% | Khadanga <i>et al.</i> , 2014 |
| | 3 | 29 | 100 | 3.0% | Shah <i>et al.</i> , 2010 |
| 16 | 55 | 120 | 13.33% | Jain <i>et al.</i> , | |

| Etiological Agent (EA) | No. of subjects with EA | Total No. of subjects with confirmed culture report | Total No. of subjects with CAP | Percentage of Occurrences | Reference First Author (Year) |
|------------------------|-------------------------|---|--------------------------------|---------------------------|------------------------------------|
| | | | | | 2014 |
| | 1 | 60 | 60 | 1.6% | Kejriwal <i>et al.</i> , 2015 |
| | 3 | 26 | 50 | 6.0% | Shrikhande <i>et al.</i> , 2015 |
| | 5 | 39 | 100 | 5.0% | Acharya <i>et al.</i> , 2014 |
| | 29 | 145 | 145 | 20.0% | Menon <i>et al.</i> , 2013 |
| Total | 151 | 699 | 1435 | Range= 1.6–24.0% | 10.52% |
| M. pneumoniae | 8 | 53 | 70 | 1.14% | Bansal <i>et al.</i> , 2003 |
| | 22 | 62 | 62 | 35.48% | Dey <i>et al.</i> , 2000 |
| | 7 | 13 | 107 | 6.54% | Dorairaj <i>et al.</i> , 2015 |
| Total | 37 | 128 | 239 | Range=1.14–35.48% | 15.48% |
| P. aeruginosa | 8 | 65 | 104 | 7.69% | Dharmadhikari <i>et al.</i> , 2013 |
| | 4 | 38 | 100 | 4.0% | Mythri <i>et al.</i> , 2013 |
| | 2 | 29 | 50 | 4.0% | Sreekanth and Reddy, 2015 |
| | 2 | 53 | 70 | 2.85% | Bansal <i>et al.</i> , 2003 |
| | 1 | 11 | 72 | 1.38% | Dey <i>et al.</i> , 1997 |
| | 31 | 149 | 464 | 6.68% | Khadanga <i>et al.</i> , 2014 |
| | 10 | 29 | 100 | 10.0% | Shah <i>et al.</i> , 2010 |
| | 1 | 55 | 120 | 0.83% | Jain <i>et al.</i> , 2014 |
| | 7 | 60 | 60 | 11.6% | Kejriwal <i>et al.</i> , 2015 |
| | 4 | 26 | 50 | 8.0% | Shrikhande <i>et al.</i> , 2015 |
| | 6 | 39 | 100 | 6.0% | Acharya <i>et al.</i> , 2014 |
| | 13 | 145 | 145 | 8.96% | Menon <i>et al.</i> , 2013 |
| Total | 89 | 699 | 1435 | Range= 0.83–11.6% | 6.20% |
| S. aureus | 13 | 65 | 104 | 12.5% | Dharmadhikari <i>et al.</i> , 2013 |

| Etiological Agent (EA) | No. of subjects with EA | Total No. of subjects with confirmed culture report | Total No. of subjects with CAP | Percentage of Occurrences | Reference First Author (Year) |
|------------------------|-------------------------|---|--------------------------------|---------------------------|------------------------------------|
| | 1 | 38 | 100 | 1.0% | Mythri <i>et al.</i> , 2013 |
| | 1 | 29 | 50 | 2.0% | Sreekanth and Reddy, 2015 |
| | 9 | 53 | 70 | 12.85% | Bansal <i>et al.</i> , 2003 |
| | 12 | 149 | 464 | 2.58% | Khadanga <i>et al.</i> , 2014 |
| | 7 | 29 | 100 | 7.0% | Shah <i>et al.</i> , 2010 |
| | 15 | 27 | 150 | 10.0% | Ravidranath and Raju, 2016 |
| | 11 | 55 | 120 | 9.16% | Jain <i>et al.</i> , 2014 |
| | 2 | 60 | 60 | 3.33% | Kejriwal <i>et al.</i> , 2015 |
| | 5 | 26 | 50 | 10.0% | Shrikhande <i>et al.</i> , 2015 |
| | 3 | 39 | 100 | 3.0% | Acharya <i>et al.</i> , 2014 |
| Total | 79 | 570 | 1468 | Range= 1.0–12.8% | 5.38% |
| <i>Acinetobacter</i> | 3 | 65 | 104 | 2.88% | Dharmadhikari <i>et al.</i> , 2013 |
| | 2 | 29 | 50 | 4.0% | Sreekanth and Reddy, 2015 |
| | 1 | 53 | 70 | 1.4% | Bansal <i>et al.</i> , 2003 |
| | 1 | 29 | 100 | 1.0% | Shah <i>et al.</i> , 2010 |
| | 1 | 55 | 120 | 0.83% | Jain <i>et al.</i> , 2014 |
| | 3 | 60 | 60 | 5.0% | Kejriwal <i>et al.</i> , 2015 |
| | 3 | 39 | 100 | 3.0% | Acharya <i>et al.</i> , 2014 |
| Total | 14 | 330 | 604 | Range= 0.83–5.0% | 2.31% |
| <i>Enterobacter</i> | 2 | 29 | 50 | 4.0% | Sreekanth and Reddy, 2015 |
| | 1 | 53 | 70 | 1.42% | Bansal <i>et al.</i> , 2003 |
| | 1 | 55 | 120 | 0.83% | Jain <i>et al.</i> , 2014 |

| Etiological Agent (EA) | No. of subjects with EA | Total No. of subjects with confirmed culture report | Total No. of subjects with CAP | Percentage of Occurrences | Reference First Author (Year) |
|------------------------------|-------------------------|---|--------------------------------|----------------------------|------------------------------------|
| | 1 | 39 | 100 | 1.0% | Acharya <i>et al.</i> , 2014 |
| Total | 5 | 176 | 340 | Range= 0.83–4.0% | 1.47% |
| <i>E. coli</i> | 4 | 65 | 104 | 3.84% | Dharmadhikari <i>et al.</i> , 2013 |
| | 1 | 38 | 100 | 1.0% | Mythri <i>et al.</i> , 2013 |
| | 2 | 29 | 50 | 4.0% | Sreekanth and Reddy, 2015 |
| | 6 | 53 | 70 | 8.57% | Bansal <i>et al.</i> , 2003 |
| | 6 | 29 | 100 | 6.0% | Shah <i>et al.</i> , 2010 |
| | 1 | 55 | 120 | 0.83% | Jain <i>et al.</i> , 2014 |
| | 3 | 60 | 60 | 5.0% | Kejriwal <i>et al.</i> , 2015 |
| | 3 | 26 | 50 | 6.0% | Shrikhande <i>et al.</i> , 2015 |
| | 3 | 39 | 100 | 3.0% | Acharya <i>et al.</i> , 2014 |
| 9 | 145 | 145 | 6.20% | Menon <i>et al.</i> , 2013 | |
| Total | 38 | 539 | 899 | Range= 0.83–8.57% | 4.22% |
| <i>L. pneumophila</i> | 12 | 470 | 470 | 2.5% | Anbumani <i>et al.</i> , 2010 |
| | 32 | 134 | 134 | 23.88% | Angrup <i>et al.</i> , 2016 |
| Total | 44 | 604 | 604 | Range= 2.5–23.8% | 7.28% |