A. Prevalence of lab confirmed dengue in hospital based studies

Chaturvedi et al, 1970 [44]	1968, 224	⊢ ⊷⊣	25.0 [1
Mohan et al, 2000 [85]	1996, 35	⊢ – – – – – – – – – – – – – – – – – – –	57.1 [4
Gomber et al, 2001 [53]	1996, 75		76.0 [6
Vajpayee et al, 1999 [127] Singh et al, 2000 [115]	1997, 180 1998, 20		27.8 [2 85.0 [6
Chakravarti et al, 2002* [37]	2000, 345	++4	9.9[
Chatterjee et al, 2013* [43]	2000, 6136	H H	27.3 [2
Kumaria et al, 2003* [75]	2001, 415	H=1	11.1 [
Vijayakumar et al, 2005* [130]	2001, 1426	H=1	29.7 [2
Karande et al, 2005 [68] Shivbalan et al, 2004* [113]	2002, 53 2002, 104		30.2 [1 80.8 [7
Bhattacharya et al, 2004* [33]	2003, 8993	H	43.8 [4
Faridi et al, 2008 [51]	2003, 29		65.5 [4
Gupta et al, 2005 [57]	2003, 874		52.2 [4
Gupta et al, 2006* [56] Kumaria et al, 2010* [76]	2004, 1820		44.6 [4
Chakravarti et al, 2012* [38]	2004, 320 2005, 7846		25.0 [2 30.2 [2
Hati et al, 2006 [60]	2005, 12059		44.8 [4
Lal et al, 2007 [77]	2005, 426	. ⊢+-I	39.4 [3
Priyadarshni et al, 2010 [98]	2005, 372	i <u>i i i i i i i i i i i i i i i i i i </u>	59.4 [5
Saxena et al, 2006 [107] Tripathi et al, 2008* [125]	2005, 174 2005, 563		27.6 [2 21.0 [1
Zaki et al, 2010 [133]	2005, 602		13.5 [1
Chandralekha et al, 2008 [41]	2006, 72		48.6 [3
Chhina et al, 2009 [45]	2006, 2205	H	12.0 [1
Hati et al, 2009* [61]	2006, 1668	H	18.1 [1
Kulkarni et al, 2010 [71]	2006, 948	H=H	70.3 [6
Kumar et al. 2008* [74]	2006, 298 2006, 131		18.8 [1 31.3 [2
Ukey et al, 2010* [126] Gunasekaran et al, 2011* [55]	2006, 131 2007, 1593	H-1	31.3 [2 43.1 [4
Agarwal et al, 2010 [23]	2008, 398	; ,-, ; ,++-	53.3 [4
Bhaskar et al, 2010* [32]	2008, 128	i ⊢i	46.1 [3
Chakravarti et al, 2010 [36]	2008, 1154	⊢ -1	21.1 [1
Chakravarti et al, 2013* [39]	2008, 477	H=1	8.4 [
Rashmi Kumar et al, 2008 [102] Chrispal et al, 2010* [46]	2008, 124 2008, 398		82.3 [7 7.0 [
Garg et al, 2011* [52]	2008, 1227	HH I	19.7 [1
Hati et al, 2012* [62]	2008, 2971		20.4 [1
Kanungo et al, 2009 [67]	2008, 1048	H=1	8.0 [
Kumar et al, 2012* [72]	2008, 1610	: 니버	14.8 [1
Taraphdar et al, 2012* [122] Sharma et al, 2012* [112]	2008, 2134 2008, 8128		9.3 [19.7 [1
Duthade et al, 2012 [112]	2009, 890		21.1 [1
Kumar et al, 2013* [73]	2009, 89		32.6 [2
Pandey et al, 2012* [93]	2009, 2599	H H	60.3 [5
Raut et al, 2012* [103] Tank Anun et al. 2012* [121]	2009, 289 2010, 1919		29.4 [2
Tank Arun et al, 2012* [121] Barde et al, 2012 [29]	2010, 1919 2010, 89		35.0 [3 20.2 [1
Dutta et al, 2012* [50]	2010, 430		33.3 [2
Kalappanvar et al, 2013* [66]	2010, 570	H+1	21.6 [1
Karoli et al, 2012 [69]	2010, 356		38.8 [3
Manakkadan et al, 2013* [80] Mehte et al. 2014* [81]	2010, 709		22.8 [1 28.0 [2
Mehta et al, 2014* [81] Shaikh et al, 2015 [109]	2010, 903 2010, 6554		48.9 [4
Sood et al, 2013* [119]	2010, 2169	H	19.0 [1
Taraphdar et al, 2012 [123]	2010, 550	. ⊢+-I	18.9 [1
Anand et al, 2016 [27]	2011, 112		83.9 [7
Bandyopadhyay et al, 2013* [28]	2011, 3624 2011, 200		25.7 [2
Bhuvaneswari et al, 2011 [35] Gupta et al, 2012* [58]	2011, 200		38.0 [3 25.3 [1
Henna et al, 2014" [63]	2011, 7836	· · ·	35.8 [3
Lata et al, 2017 [79]	2011, 812	. ⊢+I	49.1 [4
Mishra et al, 2015* [82]	2011, 433		31.4 [2
Nujum et al, 2014 [89] Prasad et al, 2013 [97]	2011, 851 2011, 200		20.4 [1 28.0 [2
Padhi et al, 2014* [90]	2011, 5102		20.0 [2
Sushi et al, 2014 [120]	2011, 100	i 🛏 🕺	8.0 [
Venkatasubramani et al, 2015* [134]	2011, 331	⊢ +-	14.8 [1
Amudhan et al, 2015* [26]	2012, 4578	M	25.9 [2
Barde et al, 2014* [30]	2012, 138 2012, 175		15.2 [1
Neeraja et al, 2014* [86] Prakash et al, 2015* [96]	2012, 175 2012, 4019		62.3 [5 22.0 [2
Padmapriya et al, 2017* [91]	2012, 10099	Le la companya de la companya	19.1 [1
Patankar et al, 2014 [94]	2012, 4401	H	21.1 [1
Saraswathy et al, 2013* [105]	2012, 90		45.6 [3
Singla et al, 2015* [118]	2012, 300	i m	7.3 [
Rao et al, 2013 [101] Vinodkumar et al, 2014* [131]	2012, 1327 2012, 72		38.3 [3 58.3 [4
Yogeesha et al, 2014 [132]	2012, 200		40.0 [3
Abhilash et al, 2016* [21]	2013, 1258	H-H	30.7 [2
Ahmad et al, 2016* [25]	2013, 298	. ⊢	31.2 [2
Bhattacharya et al, 2017 [34] Chakravarti et al, 2014 [40]	2013, 218 2013, 700		77.1 [7 40.0 [3
Gopal et al, 2014 [40] Gopal et al, 2016 [54]	2013, 700 2013, 50		40.0 [3 50.0 [3
Henna et al, 2014* [63]	2013, 2228	H	23.7 [2
Mistry et al, 2015 [83]	2013, 4366	i=i	41.3 [3
Prudhivi et al, 2014 [99]	2013, 1180	F+1	24.1 [2
Singh et al, 2014 [117] Rec. et al. 2016 [100]	2013, 1141		71.2 [6
Rao et al, 2016 [100] Saini et al, 2013* [104]	2013, 1980 2013, 917		37.6 [3 27.9 [2
Saswat et al, 2015 [104]	2013, 204		35.8 [2
Pothapregada et al, 2016* [95]	2013, 398	· · · · · ·	65.6 [6
Sharma et al, 2014 [111]	2013, 659	H=1	21.4 [1
Afreen et al, 2015* [22] Barua et al, 2016 [31]	2014, 604 2014, 156		68.9 [6
Barua et al, 2016 [31] Deshkar et al, 2017* [47]	2014, 156 2014, 15606		64.7 [5 24.5 [2
Duthade et al, 2015 [49]	2014, 15606		24.5 [2 26.7 [2
Gusani et al, 2017 [59]	2014, 765	⊢	43.3 [3
Pai Jakribettu et al, 2015* [92]	2014, 163		36.8 [2
Kaup et al, 2014* [70] Nikam et al, 2015 [87]	2014, 278		22.3 [1
Nikam et al, 2015 [87] Tazeen et al, 2017 [124]	2014, 1090 2014, 60		27.5 [2 80.0 [6
Vakrani et al, 2017 [124]	2014, 139		72.7 [6
Ahir et al, 2016* [24]	2015, 1146	H I I I I I I I I I I I I I I I I I I I	12.9 [1
Changal et al, 2016 [42]	2015, 225	; ,⊢ ⊷⊣	50.7 [4
Islam et al, 2016 [64] Lall et al, 2016 [78]	2015, 62		29.0 [1
Lall et al, 2016 [78] Mital et al, 2016 [84]	2015, 3163 2015, 90		20.4 [1 67.8 [5
Shabnum et al, 2017 [108]	2015, 1054		43.3 [4
Siddiqui et al, 2016 [114]	2015, 7177	H	32.9 [3
Sharma et al, 2016 [110]	2015, 60		26.7 [1
Joshua et al, 2016* [65]	2015, 4952	별닚	49.3 [4 56.8 [5
		· •	51815
Singh et al, 2016* [116]	2016, 2709 2016, 90		
	2016, 2709 2016, 90 2016, 254		23.3 [1 25.6 [2

0.0

20.0

40.0

Dengue Proportion (%)

60.0

80.0

100.0

		[95%	
2	25.0 [19.8,	31.1]
5	7.1 [6 0 0	40.6,	72.3] 84.3]
2	7.8	21.7	34.8]
8	5.0 [62.4,	95.1]
2	9.9 7.3 [26.2	13.5] 28.4]
	11.1	[8.4 ,	14.5]
3	9.7 [0.2 [19.4	32.1] 43.7]
8	0.8	72.1	87.2 j
4	3.8	42.8,	44.9] 80.3]
5	2.2	48.9	55.5]
4	4.6 [42.3,	46.9] 30.0]
3	0.2	29.1	31.2]
4	4.8	43.9,	45.7]
5	9.4 [54.3	44.2] 64.3] 34.7]
2	7.6	21.5,	34.7]
1	3.5 [11.0	34.7] 24.5] 16.4] 60.0]
4	8.6	37.3 ,	60.0]
1	8.1 [16.3	13.4] 20.0]
7	0.3	67.3 ,	73.1]
3	0.0 [23.9	23.6 J 39.7]
4	3.1	40.7	39.7] 45.5]
4	6.1	37.7	58.1] 54.8]
2	1.1	18.9 ,	23.6]
8	0.4 2.3 [74.5	11.2] 88.0]
	7.0	[4.9	10.0]
2	9.7 [17.6, 19.0	22.0] 21.8]
-	8.0	19.8. 40.6. 51. 21.7. 21.7. 21.7. 21.7. 21.7. 21.7. 21.7. 21.7. 21.2.2. 21.2.2	9.8]
1	4.8 [13.2,	16.7]
1	9.7 [18.8	20.6]
2 0	1.1	18.6,	23.9 j
6	0.3 [58.4	43.0] 62.2]
2	9.4 [24.4	62.2] 34.9]
2	20.2 [13.1	37.1] 29.8]
3	3.3	29.0	37.8]
3	1.6 [8.8 [18.4 . 33.8 .	25.1] 43.9]
2	2.8	19.9	26.1]
4	0.8 9 0 1 0 .8	25.2 , 47.6 .	31.0] 50.1]
1	9.0	17.4	20.7]
1	8.9 [3 9 [15.9,	22.4] 89.6]
2	5.7	24.3	27.1]
3 0	8.0	31.5,	44.9] 36.3]
3	5.8 [34.8	36.9]
4	9.1	45.7	52.6] 35.9]
2	0.4	17.9	23.3]
2	8.0	22.2 ,	34.6]
4	8.0	[4.1 ,	22.2] 15.2]
1	4.8 [11.4 ,	19.1]
1	5.9	10.1	27.2]
6	2.3	54.9	69.2]
2	2.0 [20.8, 18.3.	69.2] 23.4] 19.9]
2	1.1	19.9	22.3 j
4	5.6 [7.3	35.6, [4.9,	55.9] 10.9]
	0.01	05.7	10.01
5	8.3 [0.0 [46.7,	69.1] 46.9]
3	0.7 [28.2	33.3]
3 7	1.2	26.2 ,	36.7] 82.2]
4	0.0	36.4	43.7]
5	0.0	36.5,	63.5] 25.5]
4	1.3	39.8	42.7]
2	4.1	21.7,	26.6]
3	7.6	35.5	73.7] 39.8]
2	7.9	25.1,	30.9]
6	5.6 [29.5	42.6] 70.1]
2	1.4	18.4	24.7]
6	8.9 [4.7 [65.1 , 56.9 .	72.4]
2	4.5	23.8	25.2]
2	6.7 [23.9 , 39.8	29.8] 46.8]
3	6.8	29.8	44.5]
24 02	2.3	17.8,	27.6] 30.3]
8	0.0	68.0	88.3]
7	2.7	64.7	79.4] 15.0]
5	0.7	44.2	15.0 J 57.2 J
		19.1,	41.4]
2	9.0	10.4	
2 2 2	9.0 [0.4 [7.8 [19.1 , 57.5 .	21.9] 76.6]
200040	9.0 [0.4 [7.8 [3.3 [19.1, 57.5, 40.3,	21.9 J 76.6 J 46.3 J
N N D Y D N	9.0 [0.4 [7.8 [3.3 [2.9 [6.7]	19.1, 57.5, 40.3, 31.8, 17.0,	21.9] 76.6] 46.3] 34.0] 39.2]
NNOVON	9.0 [0.4 [7.8 [3.3 [2.9 [6.7 [9.3 [19.1, 57.5, 40.3, 31.8, 17.0, 47.9,	21.9] 76.6] 46.3] 34.0] 39.2] 50.7]
226432452	29.0 [20.4 [37.8 [3.3 [2.9 [26.7 [9.3 [3.3]	19.1, 57.5, 40.3, 31.8, 17.0, 47.9, 54.9, 15.7	21.9] 76.6] 46.3] 34.0] 39.2] 50.7] 58.6] 33.2]
2264324522	9.0 [0.4 [7.8] 2.9 [2.9] 9.3 [9.3] 6.8 [3.3] 5.6 [19.1 57.5 40.3 31.8 17.0 47.9 54.9 15.7 20.6	21.9] 76.6] 46.3] 34.0] 39.2] 50.7] 58.6] 33.2] 31.3]
2 2 0 4 0 2 4 0 2 2 3	9.0 [0.4 [7.8 [3.3] 2.9 [6.7 [9.3 [9.3 [3.3] 5.6 [3.6 [35.7 33.4, 28.2 26.2 71.0 36.5 21.9 36.5 21.9 39.8 21.7 25.1 35.5 25.1 35.5 25.1 35.5 25.1 35.5 25.1 35.5 25.1 35.5 25.1 39.8 23.9 39.8 23.9 39.8 23.9 39.8 23.9 25.0 68.5 60.8 23.9 39.8 23.9 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	21.9] 76.6] 46.3] 34.0] 39.2] 50.7] 58.6] 33.2] 31.3] 37.5]
2 2 0 4 3 2 4 5 2 2 2 3	29.0 [20.4 [37.8 [3.3 [2.9 [2.9] 2.9 [2.9] 2.9] 2.9 [2.9] 2.9] 2.9 [2.9] 2.9] 2.9 [2.9] 2.9	19.1, 57.5, 40.3, 31.8, 17.0, 47.9, 54.9, 15.7, 20.6, 29.9,	21.9] 76.6] 46.3] 34.0] 39.2] 50.7] 58.6] 33.2] 31.3] 37.5]

B. Prevalence of lab confirmed dengue in hospital based studies during outbreak or outbreaks

Author(s) and Year	Study Year, # participants		Dengue Proportion (%) [95% CI]
Mathew et al, 1977 [185] Rao et al, 1985 [167]	1974, 46 1982, 36		80.4 [66.5 , 89.5] 55.6 [39.3 , 70.7]
Mehendale et al, 1991 [186]	1988, 117		56.4 [47.3 , 65.1]
Pushpa et al. 1998* [164]	1989, 58	· · · ·	84.5 [72.8 , 91.7]
Mahadev et al, 1997 [184]	1992, 25		52.0 [33.1 , 70.4]
Baruah et al, 1996 [177]	1994, 14	·	64.3 [37.6 , 84.3]
Aggarwal et al, 1998 [135]	1996, 39	►	79.5 [64.0 , 89.4]
Anuradha et al, 1998 [139]	1996, 143	→	63.6 [55.5 , 71.1]
Dar et al, 1999 [147]	1996, 149		18.1 [12.7 , 25.1] 89.7 [78.8 , 95.3]
Kabra et al, 1999 [156] Gill et al, 1997 [179]	1996, 58 1996, 9		89.7 [78.8 , 95.3] 77.8 [42.1 , 94.4]
Katval et al. 2000 [182]	1997, 30		26.7 [13.9 , 45.0]
Katyal et al, 2000 [182] Ratho et al, 2006* [194]	1999, 338		46.7 [41.5] 52.1]
Rajendran et al, 2006 [192]	2000, 16	·	81.2 [55.3 , 93.8]
Narayanan et al, 2002 [161]	2001, 89	,i	66.3 [55.9 , 75.3]
Parida et al, 2002 [163]	2001, 312		42.6 [37.3 , 48.2]
Paramasivan et al, 2006 [190]	2002, 57		15.8 [8.4 , 27.6]
Ratho et al, 2005 [193]	2002, 218		34.9 [28.8 , 41.4]
Sarkar et al, 2010 [197] Chakravarti et al, 2005 [146]	2002, 781 2003, 1550		57.1 [53.6 , 60.5] 37.4 [35.0 , 39.9]
Dar et al. 2006 [146]	2003, 1550		
Dar et al, 2006 [148] Itha et al, 2005 [154]	2003, 42	· · · ·	80.0 [65.8 , 89.3]
Shah et al. 2004 [169]	2003, 51		76.5 [63.0 , 86.1]
Singh et al. 2005 [170]	2003, 171		70.2 [62.9 , 76.6]
Paramasivan et al, 2006 [188] Samuel et al, 2007 [195]	2003, 76		19.7 [12.3 , 30.2]
Samuel et al, 2007 [195]	2003, 90		14.4 [8.6 , 23.3]
Hoti et al, 2006* [153] Neeraja et al, 2006 [174]	2004, 92		43.5 [33.7 , 53.7] 81.2 [75.9 , 85.5]
Neeraja et al, 2006 [174]	2004, 260 2005, 23		81.2 [75.9 , 85.5] 8.7 [2.2 , 28.9]
Batra et al. 2007 [141]	2005, 23		5.0 [3.4 , 7.3]
Banerjee et al. 2007 [141] Batra et al. 2007* [142] Dutta et al. 2008 [151]	2005, 308		28.2 [23.5 , 33.5]
Paramasivan et al, 2010 [191]	2005, 77		39.0 [28.8 , 50.2]
Bharaj et al. 2008 [143]	2006, 69	⊢	69.6 [57.8 , 79.2]
Chahar et al, 2009 [145]	2006, 69	→	69.6 [57.8 , 79.2]
Gill et al, 2008 [152] Rai et al, 2008 [165]	2006, 701	H -	36.5 [33.0 , 40.2]
Rai et al, 2008 [165]	2006, 399	⊢ ∎⊣	84.7 [80.8 , 87.9]
Vedpathak et al, 2011 [200]	2006, 36 2007, 275		8.3 [2.7 , 22.9] 44.0 [38.2 , 49.9]
Dash et al, 2011 [150] Neeraja et al, 2013 [162]	2007, 275		37.0 [33.6 , 40.6]
Goel et al. 2009 [180]	2007, 36		13.9 [5.9 , 29.3]
Paramacivan et al. 2010 [180]	2007.25		52.0 [33.1 , 70.4]
Anoop et al, 2010 [138] Sankari et al, 2012* [196] Anita et al, 2012* [137] Vijayachari et al, 2011 [173]	2008, 75	⊢	49.3 [38.2 , 60.5]
Sankari et al, 2012* [196]	2008, 58		46.6 [34.2 , 59.3]
Anita et al, 2012* [137]	2009, 107		59.8 [50.3 , 68.7]
Vijayachari et al, 2011 [173]	2009, 101	————————— —	25.7 [18.2 , 35.1]
Anmed et al, 2015 [136]	2010, 4370 2010, 1886	•	38.9 [37.5 40.4] 45.0 [42.7 , 47.2]
Chaaithanva et al. 2012 [144]	2010, 1888		15.5 [12.6 , 18.9]
Mittal et al. 2012 [159]	2010, 219		61.6 [55.0 , 67.8]
Vijavačian et al. 2015 [175] Ahmed et al. 2015 [136] Arya et al. 2011 [140] Chaaithanya et al. 2012 [144] Mittal et al. 2012 [159] Ramachandran et al. 2016 [166]	6] 2010, 1666 :	H = -1	55.8 53.4 58.2
Singh et al, 2012 [172] Das et al, 2013* [149] Jindal et al, 2014 [155] Mohapatra et al, 2012 [160]	2010, 432	H B -1	12.5 [9.7 , 16.0]
Das et al, 2013* [149]	2011, 185	→− −1	71.9 [65.0 , 77.9]
Jindal et al, 2014 [155]	2011, 1787	H H 1	32.8 [30.7 , 35.0]
Mohapatra et al, 2012 [160]	2011, 469	⊢ ∎-1	78.3 [74.3 , 81.8]
Sana et al. 2012 [168] Khap et al. 2014 [157]	2011, 480		30.6 [26.7 , 34.9] 65.2 [57.6 , 72.1]
Saha et al, 2012 [166] Saha et al, 2012 [168] Khan et al, 2014 [157] Barde et al, 2015 [175] Biswas et al, 2014 [178]	2012, 164 2012, 247		65.2 [57.6 , 72.1] 46.6 [40.4 , 52.8]
Biswas et al. 2014 [178]	2012, 247		79.0 [69.9 . 85.9]
Saravanan et al. 2016 1198	2012, 600		43.3 [39.4 , 47.3]
Barde et al, 2015 [176] Khan et al, 2013 [183]	2013, 648	HH -1	49.5 [45.7 , 53.4]
Khan et al, 2013 [183]	2013, 282	⊢ ∎1	32.3 [27.1 , 37.9]
Muruganandham et al, 2014 [1	87] 2013, 23		56.5 [36.3 , 74.8]
Muruganandham et al, 2014 [1 Shobha et al, 2014 [199] Kartick et al, 2017 [181]	2013, 68		19.1 [11.4 , 30.2]
Kartick et al. 2017 [181]	2014, 62		43.5 [31.8 , 56.0]
Laul et al, 2016 [158] Singh et al, 2016 [171]	2015, 192 2015, 1100		59.9 [52.8 , 66.6] 36.4 [33.6 , 39.3]
	2013, 1100	—	
Random Effects Model		-	47.3 [40.9 , 53.8]

0.0 20.0 40.0 60.0 80.0 100.0

Dengue Proportion (%)