

For rotavirus vaccine, we updated the previous review and ran a search after the last search date and found five new efficacy studies [48-52] which were included and no new effectiveness studies were found. We identified new studies reporting on outcomes of rotavirus hospitalizations (n=2); diarrhea hospitalizations (n=2); severe rotavirus gastroenteritis (n=5); severe diarrhea (n=4); and rotavirus gastroenteritis of any severity (n=3). All the new data was entered with the previous estimates and reanalyzed. There was no change in the effectiveness outcomes as no new study was identified while the new estimates for the efficacy outcomes are reported in table 4. Results from two new large studies from Bangladesh and India are expected within 2013 and should provide much needed information on the effectiveness of rotavirus vaccines in South Asia. In the interval surveillance data from several countries in Latin America, notably from Mexico [54] does show a significant impact of childhood diarrhea

Table 1 Quality assessment of vaccine trials for immunization against – cholera

Study	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
<i>Effectiveness against morbidity Cholera Infection: -outcome-specific quality</i>																																																																																																				
<i>Efficacy against morbidity Cholera Infection: High-outcome-specific quality</i>																																																																																																				
<i>Vibriocidal antibody: Low outcome-specific quality</i>																																																																																																				
<i>One or more Adverse effect: Low outcome-specific quality</i>																																																																																																				

For rotavirus vaccine we estimated that currently marketed rotavirus vaccines could prevent 74% (35–90%) of rotavirus deaths and 47–57% of rotavirus hospitalizations bu0hs and 47

of oral cholera vaccines as an adjunct to the control of cholera in endemic areas and during outbreaks is unclear. The reformulation of a bivalent WC oral vaccine is an affordable and safe for use in cholera endemic areas and can be an exciting development. Our meta-analysis of children under 5 years of age shows a significant 52% reduc-

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. *Vaccine* ()

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. *Bulletin of the Pan American Health Organization* ()

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. *Pediatr Infect Dis J* 1 ()

. *Vaccine* (1)

