

Table S2: Summary of Selected Studies

author/ year)	Sample size	Duration of study	Study type	year	Country of study	Age of participants	Health status (HIV/ Breastfeedin g)	Setting	Dose of co- trimoxazole	Loss to follow up	Outcome/ measuremen ts
Chintu 2004	541	19 months March 2001 – Jan 2003	Double blinded RCT	2004	Zambia	6 months to 5 years	HIV infected	Children Outpatient clinics and Other clinics	<5yrs – 240Mg >5yrs – 480Mg	Death 74	Mortality Pneumocyst is carinii (nasogastric aspirate) Adverse events
Bwakura- Dangarembi zi. 2014	758		Open- label randomized parallel-gap trial	2014	Uganda Zimbabwe	7- 17 years	HIV infected		5-14kg – 240Mg 15-30kg- 480Mg >30kg – 960Mg	9	Mortality Hospitalizati ons Adverse events
Riguad. 1994	48	March 1989 - March 1993	Retrospectiv e cohort	1994	New York USA	<12 Months	HIV infected	Paediatric infectious clinic	As per guideline		Mortality PCP incidence Adverse effects
Homsy. 2014	203	Aug 2007 – March 2012	Open- label RCT + 2 observatio nal cohorts	2014	Uganda	6 weeks – 9 months	HIV exposed	Toronto district/ rural Uganda	As per guideline		Mortality Hospital admissions Adverse reactions
Berkley. 2016	1778	2009 - 2013	Multicentre double- blinded randomised placebo- controlled trial	2016	Kenya	6 months – 5 years	NON HIV infected	2 rural/2 urban hospitals	<6 mo – 120Mg 6mo – 5 years- 240Mg	352	Mortality Hospital Admissions
Kourtis. 2013	2250	2004 - 2010	BAN RCT	2013	Malawi	6 – 46 Weeks	HEU	PMTCT programs at ANC	As per guideline		Mortality
Madhi 2002	216	March 2000 – Oct 2001	Prospective cohort study	2006	South Africa	6 weeks – 3.5 years	HIV- infected	Chris Hami- Baragwanat	5Mg/Kg TMP, 20Mg/Kg SMX		Mortality PCP incidence

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Chokephaib ulkit 2000	395	May 1996 – Dec 1997	Cohort	2000	Thailand	1 – 6 mo	HIV exposed (infected and uninfected)	Referral hospitals in Bangkok	As per guideline	10 (2.6%)	Mortality Incidence of PCP
Thea 1996	112	1986 - 1993	Retrospectiv e Cohort	1996	USA	<1yr	HIV infected	Six metropolita n hospitals and one outpatient clinic in New York	As per guideline	4	Mortality Pneumocyst is incidence
Walker 2008	534	2001 - 2003	CHAP randomized placebo- controlled trial	2008	Zambia	1 – 14 years	HIV infected		<5yrs – 240MG >5 Yrs – 480Mg	18 17 died 1 lost to follow up	Adherence