

Supplementary table 1: Characteristics of the included studies to estimate the pooled success of TB treatment among patients living with HIV co-infection in Ethiopia

Author	Pub. Year	Region	Objectives	Study design	Study duration	Sampling technique	Sample size	Prevalence (%)	Effect measure	OR/RR/HR	JBI score
Melese A et al	2016	Amhara	To assess the treatment outcomes and its associated factors among TB patients	Retrospective Cohort	2008-2013	Consecutive	43	85.4	OR	1.4	5
Esmael A et al	2014	Amhara	To analyze the specific reasons for unsuccessful TB treatment outcome	Retrospective Cohort	2008-2013	Consecutive	321	57.3	OR	1.0	6
Beza MG et al	2013	Amhara	To investigate the outcome of tuberculosis treatment	Cross-sectional	2008-2013	Consecutive	180	37.2	OR	2.8	5
Malede A et al	2015	Amhara	To determine treatment outcome of TB patients and risk factors for poor treatment outcome	Retrospective cross-sectional	2010-2012	Consecutive	584	81.5	OR	2.7	5
Biruk M et al	2016	Amhara	To assess the outcome of tuberculosis treatment and to identify factors associated with tuberculosis treatment outcome	Cross-sectional	2008-2012	Consecutive	212	49.5	OR	2.2	5

Sinshaw Y et al	2017	Amhara	To assessed the successful TB treatment outcomes and its associated factors among TB/HIV co-infected patients	Cross-sectional	2010-2016	-	308	77.3	OR	--	5
Getie A et al	2020	Amhara	To assess tuberculosis treatment outcomes and associated factors	Cross-sectional	2015-2018	Consecutive	50	64	OR	3.0	6
Mekonnen D et al	2016	Amhara	To explore the profile and treatment outcomes of patients with tuberculosis	Cross-sectional	2011-2014	Consecutive	227	82.8	OR	2.5	5
Jemal M et al	2015	Amhara	To evaluate treatment outcomes and to determine predictors for unsuccessful treatment outcomes	Retrospective Cohort	2009-2012	Consecutive	598	61.2	OR	2.1	5
Gerbreegz iabher SB et al	2016	Amhara	To assess trends of TB case notifications, treatment success rate and factors associated with unsuccessful treatment outcome among TB patients	Retrospective Cohort	2007-2012	Consecutive	589	86.1	OR	--	5
Berihun YA et al	2018	Amhara	To assess the prevalence of tuberculosis and treatment outcomes of patients with tuberculosis	Cross-sectional	2010-2015	Consecutive	6	66.6	OR	0.2	6
Ejeta E et al	2015	Oromia	To assess the treatment outcome and its associated risk factors among TB cases attending DOTS clinics	Retrospective Cohort	2009-2013	Consecutive	201	60.7	OR	3.7	5
Abebe et al	2015	Oromia	To assess treatment outcome and associated factors among tuberculosis patients	Retrospective Cohort	2008-2012	Consecutive	161	55.9	OR	7.9	6

Tesema T et al	2020	Oromia	To identify the determinants of tuberculosis treatment outcome under directly observed treatment short courses	Cross-sectional	Mar 2016-Dec 2016.	Consecutive	35	31.4	OR	16.2	5
Ketema K et al	2014	Oromia	To investigate the effect of decentralised care on anti-tuberculosis treatment outcomes and identify factors affecting outcome among new smear-positive tuberculosis (TB) patients.	Retrospective Cohort	2010-2012	Consecutive	211	82.9	OR	4.4	5
Garedew Det al	2017	Oromia	To assess treatment outcome of tuberculosis and its associated factors	Cross-sectional	2011-2014	Consecutive	34	76.5	OR	14.3	5
Dedefo MG et al	2019	Oromia	To assess treatment outcomes of tuberculosis retreatment case and Its determinants	Cross-sectional	2014-2017	Consecutive	65	72.3	OR	1.18	6
Asres A et al	2016	Southern nation, nationality and people	To compare the treatment outcomes among those TB patients treated with the 4RH and 6EH continuation phase treatment regimens	Cross-sectional	2008-2014	Simple random	97	83.1	OR	1.8	6
Ayele B et al	2015	Southern nation, nationality and people	To assess trends in the expansion of DOTS and treatment outcomes for tuberculosis	Retrospective Cohort	2009-2014	Consecutive	499	61.5	RR	1.9	5
Fiseha T et al	2015	Southern nation, nationality and people	To assess the tuberculosis treatment outcome among HIV co-infected patients	Cross-sectional	2010-2013	Consecutive	397	28.9	--	--	7

Gbremariam G et al	2016	Southern nation, nationality and people	To investigate the impact of HIV status on treatment outcome of tuberculosis patients	Retrospective Cohort	2008-2014	Consecutive	156	87.3	OR	5.06	5
Teferi et al MY	2021	Southern nation, nationality and people	To assess TB treatment outcome and associated factors among TB patients	Retrospective Cohort	2014-2019	Consecutive	39	79.4	OR	1.5	5
Berhe G et al	2012	Tigray	To investigate tuberculosis treatment outcomes and predictors for unsuccessful treatment outcomes	Cross-sectional	2009-2011	Consecutive	35	80	OR	2.0	5
Belayneh M et al	2015	Tigray	To analyze the treatment outcome of human immunodeficiency virus and tuberculosis co-infected patients	Cross-sectional	2009-2011	Systematic	342	71	--	--	5
Mirutse G et al	2019	Tigray	To assess the treatment outcome of tuberculosis patients	Retrospective Cohort	2007-2016	Consecutive	596	89.9	--	--	6
Tola A et al	2019	Harari	To assess treatment outcome of tuberculosis and associated factors among TB-HIV Co-infected patients	Cross-sectional	2012-2017	Systematic	349	86.8		--	7
Weldegebreal F et al	2018	Harari	To assess treatment outcome of tuberculosis among Human Immunodeficiency Virus positive patients	Cross-sectional	2008-2014	Consecutive	627	78.3		--	6

Fentie AM et al	2020	Addis Ababa	To assess tuberculosis treatment outcomes among patients	Cross-sectional	2014-2018	Consecutive	42	73.8	OR	12.1	5
Ali SA et al	2016	Addis Ababa	To assess and explain the outcomes of TB treatment in TB patients with respect to their HIV status, and to identify its associated underlying factors	Cross-sectional	Jan 2013-Dec 2013	Random	169	88.2	OR	1.9	6
Tola HH et al	2019	Addis Ababa	To analyze intermittent treatment interruption and its effect on multidrug resistant tuberculosis treatment outcome	Retrospective Cohort	2010-2019	Simple random	84	57.1	RR	1.8	6
Asebe G et al	2015	Gambella	To assess the treatment outcome of tuberculosis patients	Cross-sectional	2011-2013	Consecutive	280	66	OR	1.4	6
Zenebe T et al	2016	Afar	To assess tuberculosis treatment outcome and associated factors among smear-positive pulmonary tuberculosis patients	Cross-sectional	2011-2013	Consecutive	61	63.9	OR	3.2	6
Meressa D et al	2015	Addis Ababa & Amhara	To report factors associated with successful multidrug-resistant TB (MDR TB) treatment outcomes in a highly resource constrained setting in Africa	Cohort	2012-2014	Consecutive	133	69.9	HR	1.8	6
Habte D et al	2020	Amhara and Oromia	To assess the childhood TB TSRs and associated factors in two major agrarian regions of Ethiopia	Retrospective Cohort	2012-2014	Consecutive	178	88.2	OR	2.7	5

