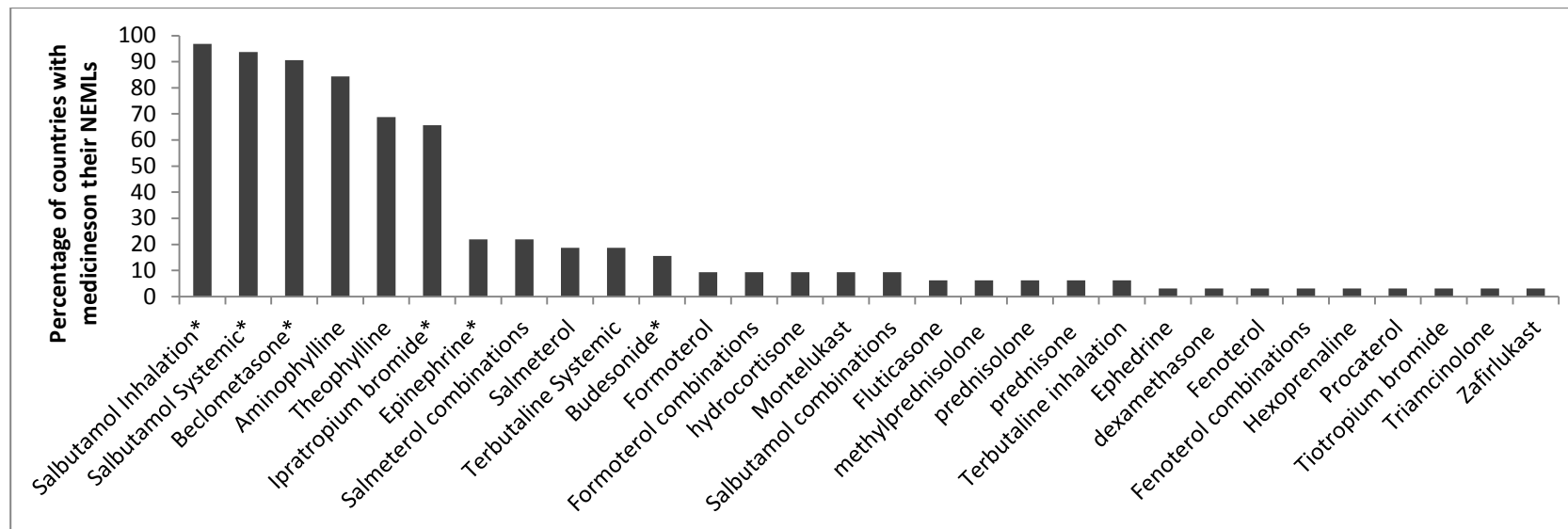


## Online materials:

Online Figure) Inclusion of COPD and asthma medicines in the NEMs of low and middle income countries (n=32)



\*: Medicines included in the current WHO model list of essential medicines (18<sup>th</sup> edition, 2013)

**Annex 1) Overview of LMICs included in the study (WHO region, world bank income level, year of NEML publication and rank of CRD burden)**

country	WHO region	WB Income level	NEML publication year	Rank of COPD*	Rank of asthma*
Armenia	Europe	lower middle income	2010	6	39
Argentina	America	upper middle income	2005	7	26
Bolivia	America	lower middle income	2011	16	23
Cameroon	Africa	lower middle income	2009	23	28
Central African Republic	Africa	low income	2009	18	26
Chad	Africa	low income	2007	24	28
China	Western Pacific	upper middle income	2009	3	54
Ecuador	America	upper middle income	2009	16	32
Egypt	Eastern Mediterranean	lower middle income	2006	12	25
El Salvador	America	lower middle income	2009	21	12
Eritrea	Africa	low income	2010	20	28
India	South-East Asia	lower middle income	2011	5	24
Jamaica	America	upper middle income	2008	22	11
Jordan	Eastern Mediterranean	upper middle income	2011	14	12
Malaysia	Western Pacific	upper middle income	2008	6	16
Maldives	South-East Asia	upper middle income	2011	7	17
Mali	Africa	low income	2008	18	22
Morocco	Eastern Mediterranean	lower middle income	2008	16	17
Namibia	Africa	upper middle income	2008	9	21
Nicaragua	America	lower middle income	2011	24	20
Pakistan	Eastern Mediterranean	lower middle income	2007	8	33
Palau	Western Pacific	upper middle income	2006		
Peru	America	upper middle income	2010	16	11
Solomon Islands	Western Pacific	lower middle income	2010	11	8
Sri Lanka	South-East Asia	lower middle income	2009	5	11
Sudan	Eastern Mediterranean	lower middle income	2007	18	24
Suriname	America	upper middle income	2004	27	16
Thailand	South-East Asia	upper middle income	2008	10	23
Tonga	Western Pacific	lower middle income	2007	13	8
Tuvalu	Western Pacific	upper middle income	2008		
Uganda	Africa	low income	2007	22	27
Uruguay	America	upper middle income	2011	5	20

\* Diseases were ranked in each country based on their burden calculated as “years lost due to disability” (LYD) among 176 main disease burdens for the year 2010 according to Institute for Health Metrics and Evaluation (IHME) 2010 data.