

**Table S1: Available and missing data for each variable collected in children admitted to hospital with pneumonia\***

Variable	Available data	Not done or missing data
<b>Gender</b>	4206	0
<b>Age</b>	4206	0
<b>Preadmission care</b>	4206	0
Referral from other hospital	4206	0
Diagnosis at referral	4206	0
Symptom duration	4116	90
Pre-admission antibiotic use	4116	90
Type of antibiotic use	4116	90
<b>Symptoms</b>		
Cough	4026	0
Fever	4206	0
Runny nose	4206	0
Poor feeding (classification inconsistent)	4206	0
Convulsions	4206	0
<b>Signs</b>		
Breath rate	4206	0
Temperature	4206	0
Weight	4206	0
Chest indrawing	4206	0
Peripheral oxygen saturation level	578	3628
Grunting	4206	0
Nasal flaring	4206	0
Audible wheezing	4206	0
Wheeze on auscultation	3168	1038
Stridor	4206	0
Lethargy	4206	0
<b>Investigation</b>		
Chest radiograph done	4106	100
Full blood count (FBC) done*	4102	104
C-Reactive protein (CRP) done*	4098	108
CRP level (in children with a positive CRP)	1253	0
<b>Outcome</b>	4206	0
<b>Hospital cost</b>	4206	0
<b>Breastfeeding</b>		
Any breastfeeding	4206	0
Months of exclusive breastfeeding**	3887	0
Duration of breastfeeding**	3887	0
<b>Pneumococcal vaccination***</b>	4094	0
<b>Cigarette smoke exposure</b>	4206	0
<b>Biomass fuel cooking</b>	4206	0
<b>Daycare attendance</b>	4206	0
Number of children in class (for children in daycare)	2109	952
Classmate sick (for children in daycare)	2109	952
<b>Sibling ill</b> (for children who had a sibling)	2189	3
<b>Acute respiratory infections</b>		
Over last 12 months	4206	0
Readmission last 12 months	4206	0
Readmission last 2 weeks	4206	0
<b>Tuberculosis contact</b>	4026	0

\*All patients had either a CRP and/or FBC recorded; \*\*Among children with 'any breastfeeding'; \*\*\*Among children with 'any vaccination'.