

# TOP 3 FINDINGS

## IN LATEST PAPER ON RESPIRATORY SYNCYTIAL VIRUS (RSV) & ACUTE LOWER RESPIRATORY INFECTIONS (ALRI)

Discover below the most important results to come from RESCEU's paper in The Lancet "Global disease burden of and risk factors for acute lower respiratory infections due to respiratory syncytial virus in preterm-born children in 2019: a systematic analysis of aggregated and individual participant data"



### 1 Preterm-born infants account for 25% of RSV-associated hospitalisations in all infants

GLOBALLY, IN 2019...

**1,650,000**

RSV-ALRI episodes in preterm infants (accounting for 13% of RSV-ALRI episodes in all infants)

**533,000**

RSV-associated hospitalisations in preterm infants (accounting for 25% of RSV-associated hospitalisations in all infants)

**3,050**

RSV-associated, in-hospital deaths in preterm infants (accounting for 15% of RSV-associated in-hospital deaths in all infants)

**26,760**

RSV-attributable deaths overall in preterm infants (accounting for 40% of RSV-attributable deaths in all infants)

### 2 Early-preterm-born children (<32 weeks gestational age) have higher risks for RSV-associated hospitalisation, persisting to the second year of life

Compared to the general infant population (irrespective of gestational age):

- 74% and 69% higher risks for RSV-ALRI episode in early-preterm-born children at 0≤6months (m) and 6≤12m, respectively.
- 287% and 195% higher risks for RSV-associated hospitalisation at 0≤6 and 6≤12m, respectively.

#### DID YOU KNOW?

There is a 126% higher risk for RSV-associated hospitalisation in the 2nd year of early-preterm-born children compared to the general infant population.

### 3 Preterm-born children with underlying health conditions have higher risks for poor outcomes from RSV-ALRI

40%-323% increased risk for poor outcome of RSV-ALRI among preterm-born children with pre-existing medical conditions like congenital heart disease, tracheostomy, broncho-pulmonary dysplasia, chronic lung disease and Down's syndrome.

#### RISK FACTORS FOR RSV - ALRI

Exposure to RSV season within 3 months of birth

Maternal smoking during pregnancy

Having two or more children under five years in the household

Multiple births