

Key Findings:

1. Surfactant requirement can be identified in the delivery room using lung ultrasound (LUS), particularly in infants born at $< 28^{0/7}$
2. In 50% of infants LUS grades worsened over time, suggesting that lung aeration is not a unidirectional process

- 52 infants born at median $27^{6/7}$ weeks (IQR $26^{0/7}$ to $28^{6/7}$)

- LUS in the delivery room and up to 72h after birth

- Compared with FiO_2 for predicting surfactant therapy
- Assessed for changes in LUS score over time

