The mortality rate of pre-term babies in the United States is still one of the highest for developed countries accounting for 1 in every 10 babies born. Respiratory Distress Syndrome continues to be one of the most treatable complications and improving outcomes.¹

### Leading Causes of Infant Death

The infant mortality rate (IMR) - the ratio of infant deaths to live births in a given year - is generally regarded as a good indicator of the overall health of a population.

1. Congenital malformations
2. Low birth weight
3. Sudden infant death syndrome
4. Maternal complications
5. Unintentional injuries
6. Cord and placental complications
7. Bacterial sepsis of newborn
8. Respiratory distress of newborn
9. Diseases of the circulatory system
10. Neonatal hemorrhage

About 10% of premature babies in the United States develop RDS each year.²

About 23% of neonatal deaths worldwide are caused by Birth asphyxia and Hypoxic-Ischemic Encephalopathy.³

HIE is estimated to occur in about 3-20 per 1,000 live births, making it the most common type of infant brain damage.⁴

About 10% of premature babies in the United States develop RDS each year.⁵

Maternal risk factors for preterm birth include previous preterm birth, periodontal disease, low maternal body mass, poor prenatal care, poverty, being uninsured, and being a member of a minority group.⁵

With approximately 18,000 hospitalizations each year due to RDS, the total cost of treating these babies in the hospital is approximately $2.3 billion.⁵

### Infant Mortality Rates by State

 Deaths per 1,000 live births

- 0 - 4.8
- 4.8 - 5.8
- 5.8 - 6.2
- 6.3 - 7.3
- 7.4 - 9.1

### Leading Causes of Infant Death

- Congenital malformations
- Low birth weight
- Sudden infant death syndrome
- Maternal complications
- Unintentional injuries
- Cord and placental complications
- Bacterial sepsis of newborn
- Respiratory distress of newborn
- Diseases of the circulatory system
- Neonatal hemorrhage

The 10 leading causes of infant death accounted for 67.5% of all infant deaths in the United States.

### Seattle PAP Plus

Helping infants with respiratory distress to breathe easier. Seattle PAP Plus – Bubble CPAP System is a simple and effective non-invasive solution for respiratory support.

### BabyFlow Plus

A system of components engineered for neonates and infants to maximize performance and patient comfort while addressing current issues associated with non-invasive respiratory support therapy.

These two interventions provide non-invasive therapy for neonatal breathing support.