

## BABIES BORN AT MARGINS OF VIABILITY

### Supporting information

This guideline has been prepared with reference to the following:

Myrhaug HT, Brurberg KG, Hov L et al. Survival and Impairment of Extremely Premature Infants: A Meta-analysis. *Pediatrics*. 2019;143:e20180933

<https://publications.aap.org/pediatrics/article/143/2/e20180933/37351/Survival-and-Impairment-of-Extremely-Premature>

Manktelow BN, Seaton SE, Field DJ et al. Population-based estimates of in-unit survival for very preterm infants. *Pediatrics*. 2013;131:e425-32

#### **Most babies born <24 weeks gestation are expected to die, but outcome improves with each additional week of gestational age?**

A population-based audit of inpatient neonatal care based in the East Midlands and Yorkshire regions selected all white singleton infants born at 23+0 to 32+6 weeks' gestational age between January 1, 2008, and December 31, 2010 (Manktelow, 2013). The results (see table below) showed most babies born <24 weeks gestation are expected to die, but outcome improves with each additional week of gestational age.

Gestational age	Survival rate (%)	
	Male	Female
23	28.6	34.8
24	48.1	55.6
25	73.4	67.2
26	77.4	83.6
27	83.3	90.0
28	88.7	93.1
29	93.0	96.1
30	95.3	98.9

Manktelow BN, Seaton SE, Field DJ et al. Population-based estimates of in-unit survival for very preterm infants. *Pediatrics*. 2013;131:e425-32

**Evidence Level: II**

**Last amended January 2021**  
**Last reviewed January 2021**