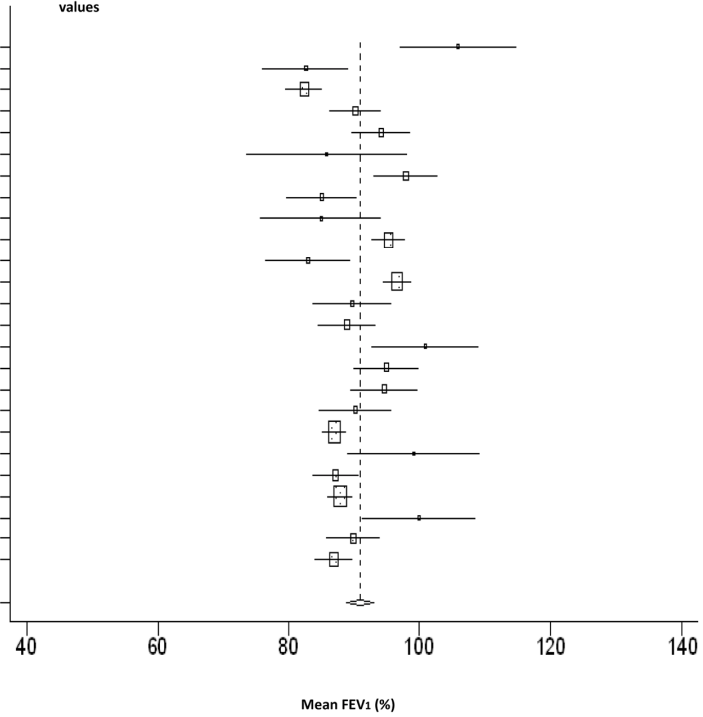


Study	Weight	Study Est	95% CI	
			Lower	Upper
Wheeler 1984	0.02	106	97.1	114.9
Arad 1987	0.03	82.6	75.91	89.29
Galdes-Sebaldt 1989	0.04	82.37	79.55	85.19
De Kleine 1990	0.04	90.34	86.4	94.28
Baraldi 1991	0.04	94.2	89.7	98.7
Giacioia 1997	0.02	85.9	73.55	98.25
Gross 1998	0.04	98	93.15	102.85
Jacob 1998	0.03	85.1	79.63	90.57
Mitchell 1998	0.02	85	75.7	94.3
Kennedy 2000	0.04	95.4	92.84	97.96
Pianosi 2000	0.03	83	76.42	89.58
Doyle 2001	0.04	96.7	94.53	98.87
Mieskonen 2002	0.03	89.8	83.79	95.81
Kilbride 2003	0.04	89	84.63	93.37
Barker 2003	0.03	101	92.85	109.15
Korhonen 2004	0.04	95	90.07	99.93
Halvorsen 2005	0.03	94.7	89.66	99.74
Baraldi 2005	0.03	90.3	84.81	95.79
Doyle 2006	0.04	87.1	85.27	88.93
Vrijlandt 2006	0.02	99.2	89.07	109.33
Kulasekaran 2007	0.04	87.3	83.75	90.85
Palta 2007	0.04	88	86.09	89.91
Abreu 2007	0.02	100	91.32	108.68
Fawke 2010	0.04	90	85.96	94.04
Smith 2011	0.04	87	84.06	89.94

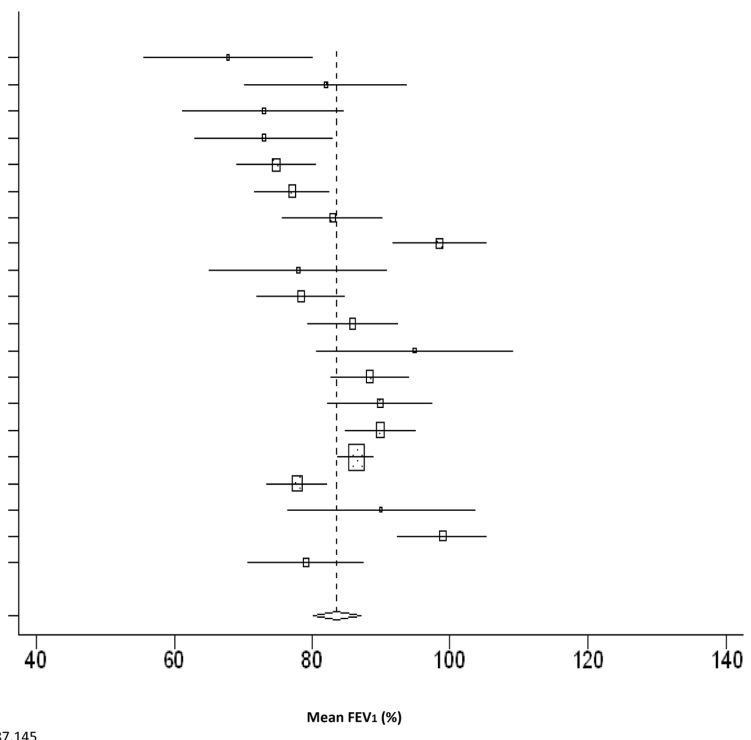
Figure E1 Preterm group (no BPD) where the results were reported as percentages of predicted values



Random pooled est = 90.980 95% CI lower = 88.841, upper = 93.119
Heterogeneity: Q= 164.448 on 24 degrees of freedom (p=0.000)
Moment-based estimate of between studies variance = 22.076

Study	Weight	Study Est	95% CI	
			Lower	Upper
Smyth 1981	0.01	67.8	55.52	80.08
Wheeler 1984	0.01	82	70.18	93.82
Bader 1987	0.01	73	61.22	84.78
De Kleine 1990	0.01	73	62.95	83.05
Northway 1990	0.02	74.8	69.12	80.48
Ahrens 1991	0.02	77.11	71.53	82.69
Santuz 1995	0.02	83	75.64	90.36
Koumbourlis 1996	0.02	98.6	91.85	105.35
Mitchell 1998	0.01	78	64.98	91.02
Kennedy 2000	0.02	78.4	71.87	84.93
Pianosi 2000	0.02	86	79.34	92.66
Ng 2000	0.01	95	80.63	109.37
Doyle 2001	0.02	88.5	82.79	94.21
Barker 2003	0.02	90	82.39	97.61
Korhonen 2004	0.02	90	84.9	95.1
Halvorsen 2005	0.02	86.4	83.69	89.11
Baraldi 2005	0.02	77.8	73.29	82.31
Vrijlandt 2006	0.01	90.1	76.38	103.82
Abreu 2007	0.02	99	92.48	105.52
Karila 2009	0.02	79.1	70.64	87.56

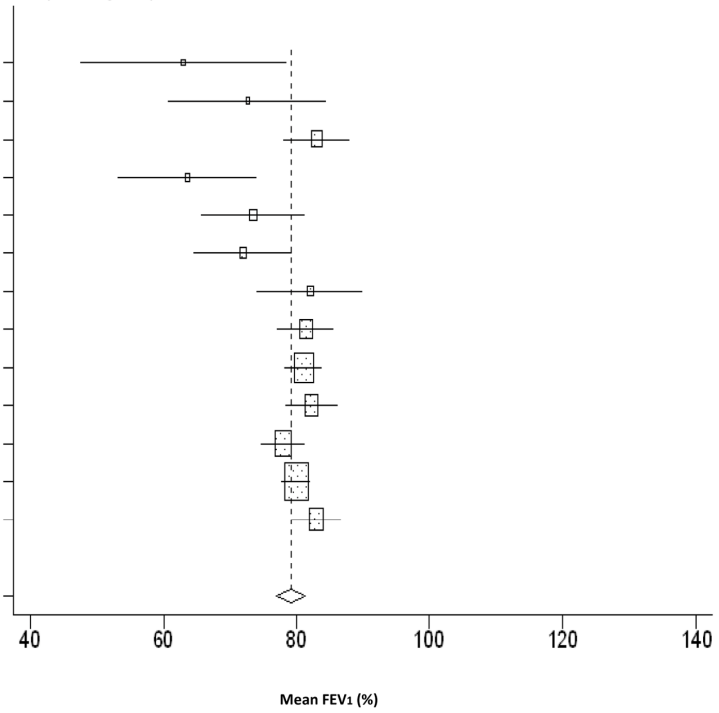
Figure E2 BPD (oxygen dependency at 28 days of life) where the results were reported as percentages of predicted values



Random pooled est = 83.666 95% CI lower = 80.187, upper = 87.145
Heterogeneity: Q=97.283 on 19 degrees of freedom (p=0.000)
Moment-based estimate of between studies variance = 45.393

Study	Weight	Study	
		Est	95% CI
		Lower	Upper
Berman 1986	0.01	63	47.51 78.49
Giacioia 1997	0.02	72.7	60.74 84.66
Gross 1998	0.07	83	77.92 88.08
Jacob 1998	0.03	63.6	53.18 74.02
Mieskonen 2002	0.04	73.5	65.66 81.34
Kilbride 2003	0.05	72	64.65 79.35
Korhonen 2004	0.04	82	73.94 90.06
Halvorsen 2005	0.08	81.4	77.12 85.68
Doyle 2006	0.1	81.1	78.25 83.95
Kulasekaran 2007	0.08	82.3	78.33 86.27
Palta 2007	0.09	78	74.68 81.32
Fawke 2010	0.11	80	77.76 82.24
Smith 2011	0.08	83	79.13 86.87

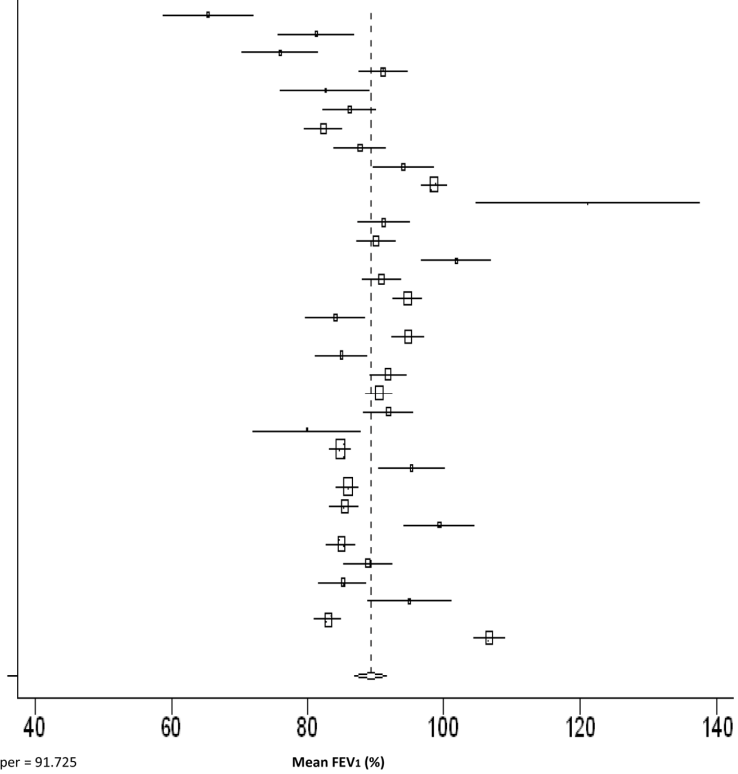
Figure E3 BPD (supplemental oxygen-dependency 36 weeks PMA) where the results were reported as percentages of predicted values



Random pooled est = 79.096 95% CI lower = 76.911, upper = 81.282
Heterogeneity: $I^2=30.311$ on 12 degrees of freedom ($p=0.003$)
Moment-based estimate of between studies variance = 7.967

Study	Weight	Study Est	95% CI	
			Lower	Upper
Borkenstein 1980	0.02	65.4	58.76	72.04
Rivlin 1985	0.02	81.3	75.69	86.91
Bertrand 1985	0.02	76	70.26	81.74
MacLusky 1986	0.02	91.2	87.57	94.83
Arad 1987	0.02	82.6	75.91	89.29
Wiebicke 1988	0.02	86.3	82.4	90.2
Galdes-Sebaldt 1989	0.02	82.37	79.55	85.19
De Kleine 1990	0.02	87.83	83.93	91.73
Baraldi 1991	0.02	94.2	89.7	98.7
von Mutius 1993	0.02	98.7	96.81	100.59
Wagner 1994	0.01	121.2	104.77	137.63
Gross 1998	0.02	91.3	87.5	95.1
Nikolajev 1998	0.02	90.2	87.31	93.09
Gappa 1999	0.02	101.93	96.75	107.11
Kennedy 2000	0.02	91	88.11	93.89
Doyle 2001	0.02	94.82	92.65	96.99
Mieskonen 2002	0.02	84.1	79.67	88.53
Anand 2003	0.02	94.9	92.51	97.29
Kilbride 2003	0.02	85	81.12	88.88
Mai 2003	0.02	92	89.27	94.73
Grischkan 2004	0.02	90.6	88.65	92.55
Sittanen 2004	0.02	92	88.37	95.63
Gross 2005	0.02	79.96	71.94	87.98
Doyle 2006	0.02	84.9	83.29	86.51
Vrijlandt 2006	0.02	95.4	90.59	100.21
Palta 2007	0.02	86	84.31	87.69
Telford 2007	0.02	85.5	83.34	87.66
Abreu 2007	0.02	99.43	94.28	104.58
Smith 2008	0.02	85	82.81	87.19
Burns 2009	0.02	88.98	85.35	92.61
Evenson 2009	0.02	85.2	81.69	88.71
Konefal 2010	0.02	95.07	89.9	101.24
Fawke 2010	0.02	83	80.97	85.03
Odberg 2010	0.02	106.8	104.51	109.09

Figure E4 Preterm group (including groups with BPD) where the results were reported as percentages of predicted values



Random pooled est = 89.361 95% CI lower = 86.998, upper = 91.725

Heterogeneity: $I^2=677.081$ on 33 degrees of freedom ($p=0.000$)

Moment-based estimate of between studies variance = 44.464