

**Table 1:** Demographic data of total group and pre- and post-bCPAP introduction.

	<b>Total</b>	<b>Pre</b>	<b>Post</b>
<b>Neonates</b>	<b>67</b>	<b>31</b>	<b>36</b>
Gestation, weeks (SD)	37.4 (3.7)	37.7 (3.5)	37.2 (3.9)
Birthweight, grams (SD)	3,110 (856)	3,139 (833)	3,085 (887)
Apgar, 5 minutes (SD)	8.3(1.8)	8.3 (1.8)	8.2 (1.8)
Temperature on arrival ED (°C)	36.3 (1.0)	36.2 (1.2)	36.5 (0.8)
<b>Term (37+) (%)</b>	<b>48 (71.6)</b>	<b>22 (71)</b>	<b>26 (72.2)</b>
Moderate pre-term (32–36+6) (%)	13 (19.4)	8 (25.0)	5 (13.9)
Very preterm (28–31+6) (%)	4 (6.0)	0	4 (11.1)
Extreme (<28) (%)	2 (3.0)	1 (3.2)	1 (2.8)
<b>D/C diagnosis*</b>			
TTN	34	15	19
RDS	10	10	7
Mec asp	6	2	4
Other	17	11	6

\*Diagnosis on electronic discharge from admitting hospital.

TTN = transient tachypnea of the newborn; RDS = respiratory distress syndrome; Mec asp = meconium aspiration.

**Table 2:** Time in ED total and by mode of retrieval, time on Neopuff.

	<b>Pre</b>	<b>Post</b>
<b>Neonates</b>	<b>31</b>	<b>36</b>
Time in ED, minutes (SD)	156 (70)	202 (93)*
Time in ED helicopter	209 (76)	252 (111)
Time in ED ambulance	133 (54)	179 (75)
Time on Neopuff, minutes #	94 (84)	55 (40)*
Time on bCPAP (SD)	n/a	131 (109)

#Neopuff duration less than 10 minutes not included in analysis.

\*Significant difference ( $p \leq 0.05$ ).

**Table 3:** Numbers of neonates by destination and retrieval mode, pre- and post-bCPAP introduction.

	<b>Pre</b>	<b>Post</b>
<b>Admission destination</b>		
<32week Level III Waikato	1	4
≥32week Level III Waikato	8 (27%)	3 (9%)
≥32week Level II Rotorua	22 (73%)	27 (84%)
d/c	0	2 (6%)
<b>Retrieval mode (≥32 weeks)</b>		
Helicopter	8 (27%)	6 (19%)
Road ambulance	22 (73%)	24 (75%)
d/c		2 (6%)

d/c = discharged home.