

Online Table S12: Transition

Author	Country	Journal	Type of study	Number of patients	Ages	Transition	Transition program
Tibbals et al. [1]	Australia	J Ped Child Health	Longitudinal (1979-2008) in 1 center in Melbourne	168 children	3 weeks - 19 yrs	58 CPAP, 50 BPAP, 48 tracheotomy, 5 phrenic nerve, 4 negative pressure, 3 nasopharyngeal tube 27 (16%) were transferred to adult services (no more information)	
McDougall et al. [2]	Canada	Arch Dis Child	Retrospective study in 1 center 1995-2009	144 children (116 on NIV)	< 18 yrs	37/144 (26%) children (5 IV + 32 NIV) transitioned to adult services (increase over time) median age of transition 18 yrs (16.4-19.3)	?
Amin et al. [3]	Canada, 2014	Pediatr Pulmonol	Retrospective study in 1 center 1991-2011	313 children treated with NIV	2.9 - 13.9 yrs	106 transitioned to an adult service (of 379 IV and NIV)	?
Chatwin et al. [4]	UK	Plos One	Retrospective study in 1 center 1993-2011	496 children	< 17 yrs	181 (40%) transitioned to adult services	?
Dale et al. [5]	Canada	Pediatr Child Health	Semi-structured telephone interview	14 adolescents with NMD treated with NIV	17-21 yrs	Facilitators: early planning, written information material, joint pediatric-adult provider-family transition meetings Barriers: insufficient information, limited access to nursing and allied health providers, reduced funding or health services More difficulties if cognitive dysfunction or physical dependence	
Chau et al. [6]	Hong Kong	Respir Care	Retrospective study in 1 center 1997-2015	71 children treated with NIV	< 21 yrs	7/71 (10%) patients with NIV transitioned to adult services or other services because of geographical reasons	?
Castro-Codesal et al. [7]	Canada	Plos One	Retrospective study in Alberta 2005-2014	622 children	0-18 yrs	Increase in the number of children transitioned over time: median 4 (5-19)/yr between 2011-2014	?

Ikeda et al. [8]	Japan	Brain Dev	Retrospective study in 1 center 2015-2015	53 children		10 children transitioned to adult services (29% of the 34 continuing patients)	?
Onofri et al. [9]	Italy + UK	Italian J Pediatr	Retrospective study, comparison Brompton/Babin o Gesu	Patients with NMD on NIV: 15 + 15	Ado > 15 yrs	Patients transitioned at a younger age in the Brompton Brompton has an adult unit in same hospital Care similar No analysis of quality of life.	Brompton has a transition program but not B Gesu
Dale et al. [10]	Canada	Pediatr Pulmonol	Prospective longitudinal interview of ado-caregiver dyads	18 ado 17-19 yrs	10 treated with NIV	Facilitators: early transition discussion, opportunity for patients to speak directly with home care providers, printed information about adult services, joint pediatric-adult team handover meeting Modifiable barriers: lack of other specialist referrals, insufficient information about homecare service funding, limited involvement of family doctors	
Leske et al. [11]	Argentina	Pediatr Pulmonol	Retrospective study in 1 center 2007-2018	244 children (210 NIV)		40/244 (16%) transitioned to adult services	?

Abbreviations: m: months, yrs: years, CPAP: continuous positive airway pressure, BPAP: bilevel positive airway pressure, NIV: noninvasive ventilation, IV: invasive ventilation.

References

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