

Example C.

Method

The Patient Intervention Comparison Outcome (PICO) approach was used to define the research question. The patient group focused on in this study will be children under 7 years of age with disabilities in Australia. The intervention will be the Canadian Occupational Performance Measure (COPM) (Carswell et al., 2004), used in conjunction with the Pediatric Evaluation Disability Inventory Computer Adaptive Test (PEDI-CAT) (Dumas et al., 2010), for care-givers to set and measure goals for their children within the planning process for the National Disability Insurance Scheme (NDIS). The comparison will be using only the PEDI-CAT, which is the current practice of the planners employed by the National Disability Insurance Agency. The outcome being investigated is the impact of the use of the COPM, on families ability to set and monitor functional goals for their children.

Therefore the research question is:

Does the COPM, when used in conjunction with the PEDI-CAT, enhance families of young children with disabilities, capacity to set and measure functional goals within the NDIS planning process?

Search Strategy

A search of the [redacted] University databases of CINAHL, Proquest, Medline and AMED was completed. The search strategy, including the list of search terms used for this review and the number of articles found using this method is shown in Table 1. These databases were chosen as the COPM and PEDI-CAT are widely used by

medical and allied health professionals. The search was limited to articles published between January 1997 and January 2018 and those that met the following criteria:

- Use of the COPM and/or use of the PEDI-CAT
- Involved children with disabilities or developmental delays aged 0-6 years.
- Included interventions that are in scope for NDIS (E.g. studies involving medical/surgical interventions were excluded)
- Peer reviewed articles, published in professional journals
- Articles published in English

Table 1. Databases and search terms used to identify literature for review

Database	Search terms	No. articles
Medline	child* OR p#ediatric OR infant OR preschool OR young	86
AND	"Disability" OR "Developmental Delay" "Developmental disab*" OR "Down Syndrome" OR "Cerebral Palsy" OR "Attention Deficit Hyperactivity Disorder" OR "Intellectual Disability" OR "motor skills disorder"	
AND	"Canadian Occupational Performance Measure" OR "COPM" OR "Pediatric Evaluation Disability Inventory Computer Adaptive Tests" OR "PEDI-CAT"	
AND	goal setting OR function*	
Limiters:	1997-2018, English, Research (peer reviewed) Articles, Academic journals, include all infant birth-23 months, 2-5 years and 6-12 years	

Cinahl	child* OR p#diatric OR infant OR preschool OR young	49
AND	"Disability" OR "Developmental Delay" "Developmental disab*" OR "Down Syndrome" OR "Cerebral Palsy" OR "Attention Deficit Hyperactivity Disorder" OR "Intellectual Disability" OR "motor skills disorder"	
AND	"Canadian Occupational Performance Measure" OR "COPM" OR "Pediatric Evaluation Disability Inventory Computer Adaptive Tests" OR "PEDI-CAT"	
AND	goal setting OR function*	
Limiters:	1997-2018, English, Research (peer reviewed) Articles, Academic journals, include all infant birth-23 months, 2-5 years and 6-12 years	
AMED	child* OR p#diatric OR infant OR preschool OR young	19
AND	disabilit• or disabled "Disability" OR "Developmental Delay" "Developmental disab*" OR "Down Syndrome" OR "Cerebral Palsy" OR "Attention Deficit Hyperactivity Disorder" OR "Intellectual Disability" OR "motor skills disorder"	
AND	"Canadian Occupational Performance Measure" OR "COPM" OR "Pediatric Evaluation Disability Inventory Computer Adaptive Tests" OR "PEDI-CAT"	
AND	goal setting OR function*	
Limiters:	English, 1997 -2018, Journal Articles	
ProQuest	ab(child* OR p#diatric)	

AND	ab("Disability" OR "Developmental Delay" OR "Down Syndrome" OR "Cerebral Palsy" OR "Attention Deficit Hyperactivity Disorder" OR "Intellectual Disability" OR "motor skills disorder")	
AND	ab("Canadian Occupational Performance Measure" OR "COPM" OR Pediatric Evaluation Disability Inventory Computer Adaptive Tests OR PEDI-CAT)	
Limiters:	1997-2018, Scholarly Journals, Articles, Peer Reviewed, English	
Total records identified after database searching		193
Total records after duplicates removed		104

This literature search method yielded 193 articles. Once duplicates (n= 89 articles) were removed, the abstracts of 104 articles were screened for inclusion in this review. A large proportion of articles (n= 63) were excluded as the participants mean age was greater than 6 years of age or the study contained interventions that involved medical or surgical procedures. These were excluded.

The remaining 27 full text articles were screen for inclusion in this review. A further 18 were excluded for the following reasons:

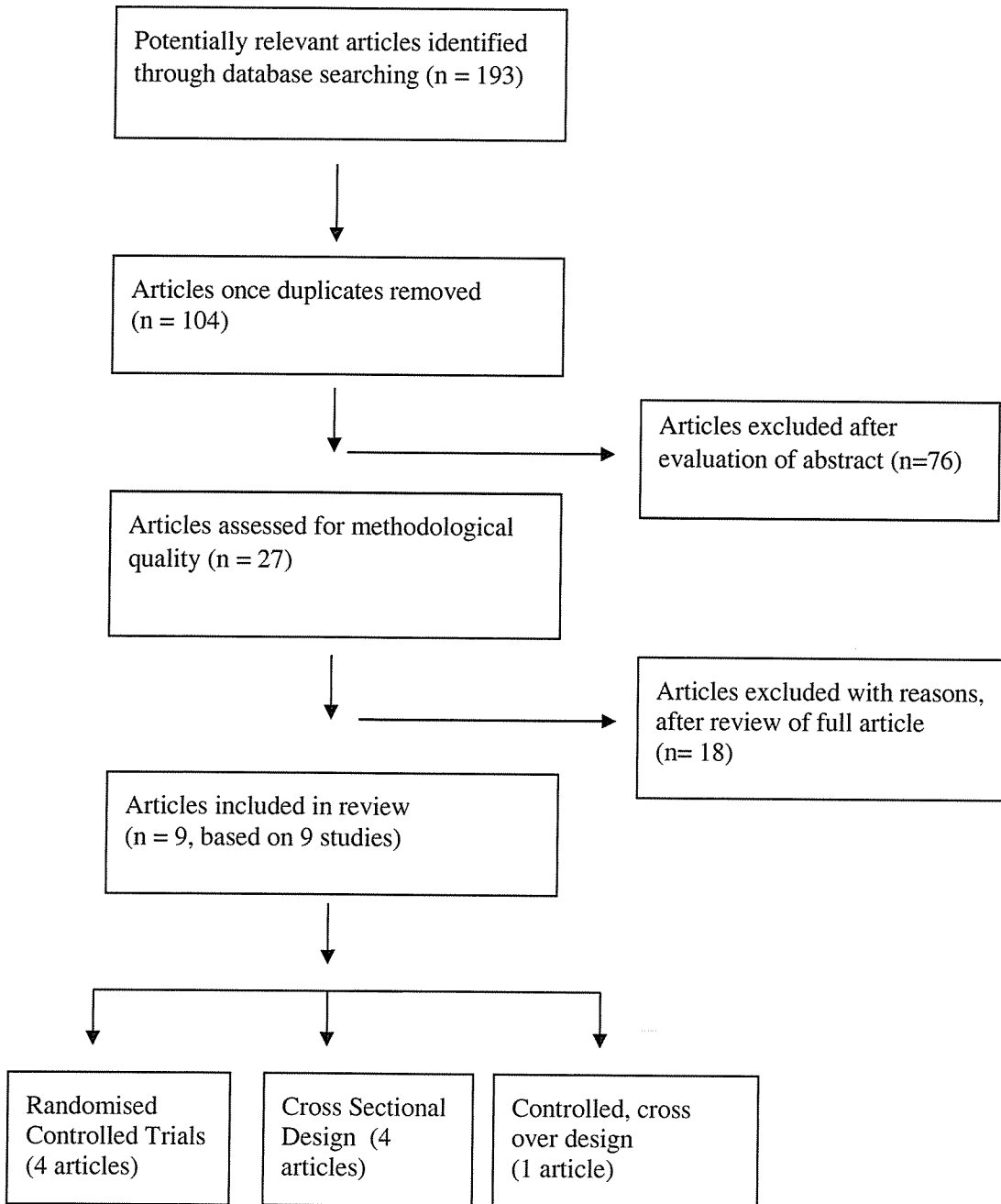
- Components of the study were outside the scope of the current research. Studies included intensive interventions that were outside the funding parameters of the NDIS (de Brito Branda?o M, 2012; Miller, Ziviani, Ware, & Boyd, 2015; M. Wallen et al., 2011), demographic data included in the method indicated the mean age of children participating in the study was greater than 6 years of age (Chiarello et al., 2010; Galvin, Hewish, Rice, & Mackay, 2011; Kramer et al.,

2015; Novak, Cusick, & Lannin, 2009; Pasternak et al., 2016) or the study was not available in English (Fallang, 2012).

- The methodology of the study was not robust. For example studies included a very small sample size and so results were not able to be generalized (Ostensjø, Oien, & Fallang, 2008) or a control group was not used so the effect of the intervention is not able to be confirmed (Pollock N, 2014; Rigby, Ryan, & Campbell, 2009).
- The article primarily utilised secondary information (Dumas et al., 2010; Parker Dm, 2006; Tam C, 2008).
- The study was a pilot study (Fayed & Kerr, 2009; Lori Rosenberg, Maier, Yochman, Dahan, & Hirsch, 2015; M. Wallen, Ziviani, Herbert, Evans, & Novak, 2008)

See Graphic 1 for the modified PRISMA flow diagram

The remaining articles included 4 randomised controlled trials (Ferre et al., 2017; Hwang, Chao, & Liu, 2013; Morgan, Novak, Dale, Guzzetta, & Badawi, 2016), 1 controlled, cross over design study (L. Rosenberg, Maier, Yochman, Dahan, & Hirsch, 2015) and 4 cross sectional studies (Albrecht & Khetani, 2017; Haley et al., 2011; Verkerk, Wolf, Louwers, Meester-Delver, & Nollet, 2006; M. A. Wallen & Ziviani, 2012).



Graphic 1 Modified PRISMA flow diagram of article screening and selection

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