

Method of Literature Search

In order to conduct an extensive and comprehensive search of the literature five main approaches will be undertaken:

- 1) Electronic data bases will be searched using:
 - a. Individual and combined key words – see the list of potential data bases below and the initial key terms generated.
 - i. Additional key words will be taken from articles identified.
 - b. Author name search of primary authors in field.
- 2) Manual searches of major journals.
- 3) Citations provided in major textbooks.
- 4) Review articles on relevant topics.
- 5) Secondary referencing of articles identified.

The intent of utilizing these different methodological approaches to the literature review is to comprehensively cover the relevant research with a network that overlaps in order that references will not be missed. This will result in some references being picked up in multiple searches but enables us to identify some of the more obscure references that might be of value to this literature review.

Inclusion and Exclusion Criteria

Based on the identification of the studies, specific inclusion and exclusion criteria will be developed in order to clearly delineate the scope of the literature review. Initial inclusion and exclusion criteria include (but are not limited to):

- Children aged 0-5 years separated into infants, toddlers and preschoolers
- English written literature
- From 1965 onward
- Published in peer-reviewed journals
- No unpublished theses or dissertations
- Data-based (data based includes quantitative, qualitative and single subject paradigms)

As the literature review progresses additional inclusion or exclusion criteria will be added.

Electronic Data Bases

The goal will be to identify electronic data-bases that will pick up research from around the globe. There is some significant research being conducted on the 0-5 year old age group in Australia, the UK, and parts of mainland Europe (specifically Belgium and Australia) that would be of value. The nature of the government and educational systems in those countries enables those investigators to conduct work that is impossible to conduct in the USA. We believe this work will help inform potential outcomes and thus we will seek data-bases that will pick up a broad base of work. Additional data-bases will be added as we conduct our search. The following include a list of potential data bases to be searched:

- Medline
- PubMed
- ERIC

- Psych Info
- Sports Discus
- Physical education index
- EBSCOhost
- AJOL – Australian journals
- Oxford journals – UK journals

Possible Keywords

A variety of keywords and keyword combinations will be utilized to capture the relevant research. Below is a list of sample keywords. Each article that is identified will be reviewed for the keywords used in that article and these key words will be added to the searches. Thus, the key words below do not represent a comprehensive list, these words will grow and evolve as the search progresses. All keywords will include reference to the age of the children (infant, toddlers and preschoolers or equivalent and also specific to children with disabilities).

Key Words - Physical Activity and Physiological Benefits

- Physical activity/moderate to vigorous physical activity/sedentary/moderate/vigorous/
- Determinants of physical activity/exercise
- Exercise/moderate to vigorous exercise/sedentary/moderate/vigorous
- Physiological benefits: fitness/health-related fitness/skill-related fitness/cardiovascular fitness/cardio-respiratory fitness/diabetes prevention/insulin resistance
- Obesity prevention: obesity/overweight/metabolic syndrome/pre-diabetes/

Key Words - Motor Skill Benefits

- Movement skills/fundamental motor skills/motor skills/object control skills /manipulative skills/locomotor skills/list each of the individual skills e.g. kick, run, etc
- Motor skill sequences/developmental sequences/stages of development /developmental domains
- Motor intervention/instruction/teach/motor learning/motor program

Key Words - Environmental Influences on Physical Activity/Movement/Play

- Environmental factors influencing physical activity: activity at home/sedentary behaviors/environmental justice/environmental cues/social situation/poverty/underserved communities