

Australian Government

National Health and Medical Research Council



NHMRC

# STAYING HEALTHY IN CHILDHOOD

Scoping Review Report

August 2021



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- Inclusion and exclusion criteria

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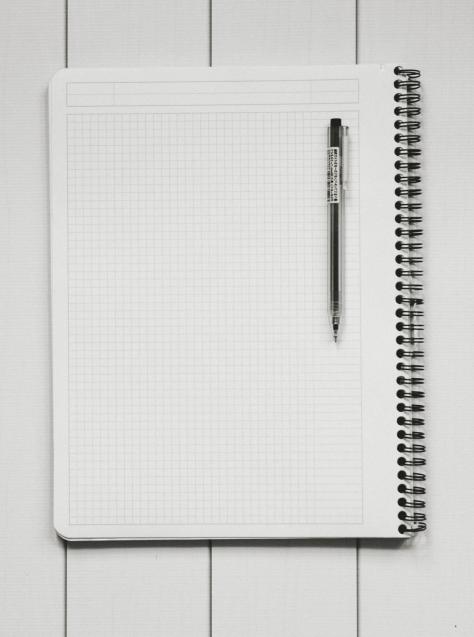
- Overview
- Evidence & gaps
- Future direction



# 00

Executive summary





# 01 Background

The purpose of this scoping review was to ascertain the volume and type of evidence relating to the prevention, control and management of infectious diseases in early childhood education and care services.



PICO

**Population**: infant, children and adults **Setting**: early childhood education and service centres

**Intervention**: range of measures used for the prevention and control of infectious diseases

**Comparator**: any comparator **Outcome**: any outcome



#### Literature search

A **broad literature search** was created using **various Mesh terms** and **keywords** to capture evidence related to the prevention, control & management of childhood infectious diseases



Criteria

Studies were **included** if they reported on **prevention and control measures** to reduce or manage infectious diseases in childcare settings.

Studies were **excluded** for reasons including **treatment**, epidemiology of disease, **associated risks** with childcare attendance, etc.

Search terms were created to capture evidence relevant to the prevention and management of infectious disease in childcare settings.



# Scoping the evidence

Broad literature search terms identified a large volume of studies. Most studies did not meet elements of the PICO and inclusion criteria and were therefore excluded.



Search results

Initial search results yielded 5,700+ studies. After removing duplicates, 4,400+ studies were assessed at title abstract. A total of **462 studies were included in the evidence map**. These studies addressed the PICO, inclusion and exclusion criteria.  $\times$ 

Main reasons for exclusion

The main reasons for exclusion included hospital and community settings, assessing treatment interventions, associated risks of attending childcare, communicable diseases and environmental exposures. Limitations

Not all studies provided adequate details at title/abstract to confidently determine the intervention and outcome. Where information was limited, studies were often classified broadly. If study details were not clear, studies were often classified as "Grey" literature. As a result, some study designs, interventions and outcomes may be overrepresented.

The literature search returned many studies relevant to the prevention and management of infectious diseases in the childcare setting.



## Mapping the evidence

To map the evidence, studies were mapped to the various characteristics addressed in the title/abstract. Characteristics included intervention/s, outcome/s, study design and region.



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Interventions and outcome

Interventions and outcomes were determined based on the information within the title and abstract. In some instances, topics are broad and encompass an array of studies, others are more specific. Where possible, topics were aligned with those in the *Staying Healthy* Guidelines.



#### Mapping evidence

Studies were mapped based on the interventions and outcomes addressed in the title and abstract. This approach means that one study may be represented across various interventions and/or outcomes.

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#### Additional characteristics

Studies were also mapped according to the study design and study region. Where possible studies were mapped with specific populations, including pregnancy.

Studies addressing a range of interventions and outcomes were represented multiple times in the evidence map.





The evidence map provides an insight into where there is evidence and where there are gaps in evidence. Much of the evidence is internationally based and of lower quality, and no new concepts were identified.



Evidence

Most of the evidence was in hand hygiene and education (interventions) and behaviour, pathogens and rates of transmission (outcomes). Many studies were vague and broadly categorised to management (intervention) and prevention (outcome). No new concepts were identified through the scoping review. مح لر

Gaps

Based on the current *Staying Healthy* Guidelines, there were gaps in evidence for various topics including food safety, spills, environmental sustainability (e.g., reusable or disposable), and celebration and cooking with children. Where to?

It is **unlikely that a systematic review would change the current recommendations** put forward in the Staying Healthy Guidelines. A systematic review **would add value to the strength of the Guidelines**, as well as potentially expanding the Guidelines to additional topics outside the scope but relevant to the childcare setting (e.g., asthma, allergens)

It is unlikely that a systematic literature review will alter the current recommendations presented in the Staying Healthy Guidelines; however, it would provide evidence-based support and transparency of information.



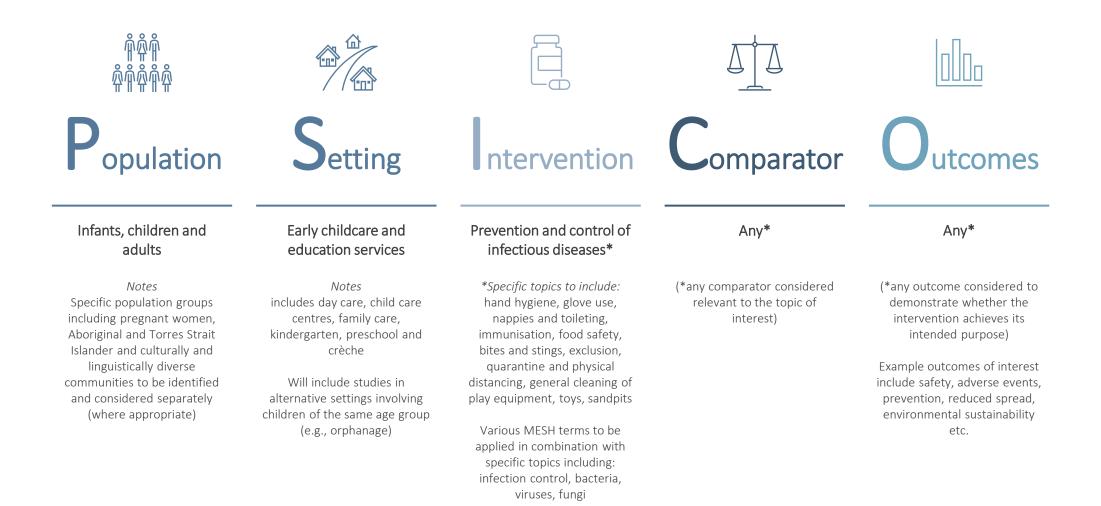
# 01

## Background

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The aim of the scoping review is to gauge the volume of information on preventing infectious diseases in childhood education and care settings.



# Broad literature search terms were created to capture evidence related to the prevention, control & management of childhood infectious diseases.

#	Concept	Search string
1	Study limits	(editorial or letter or comment or historical article).pt.
2		(animals/ or nonhuman/) not humans/
3		1 or 2
4	Setting	exp *preschool child/
5		*kindergarten/
6		*child care/
7		(creche? or preschool\$ or pre-school\$ or pre?school\$ or minischool\$ or mini-school\$ or mini?school\$ or childcare\$ or child-care\$).ti,ab.
8		(child adj2 (daycare or day-care or day-care)).ti,ab.
9		(family adj (daycare or day-care or day?care)).ti,ab.
10		((daycare or day-care or day-care) adi2 (centre? or center? or setting or facilit\$)).ti,ab.
11		((childcare or child-care or child?care) adj2 (centre? or center? or setting or facilit\$)).ti,ab.
12		or/4-11
13	General infection control	exp communicable disease control/
14		infection prevention/
15		exp*isolation/
16		cross infection/dm, pc [Disease Management, Prevention]
17		((infection or bacteria or bacterial or viral or virus or fungal or fungus or fungi or protozoa or mite or parasite) adj (control or prevent*)).ti,ab.
18		exclusion.ti,ab.
19		or/13-18
20	Prevention and	exp hand washing/
21	protection	*protective glove/
22		(face adj1 mask).ti,ab. or face?mask.ti,ab. or (hand adj1 (wash* or clean* or saniti* or care)).ti,ab. or handwashing.ti,ab. or hand-washing.ti,ab.
23		exp *coughing/
24		(((cough or coughing or sneeze or sneezing) adj2 (etiquette or behaviour or rules or protocol or practice or manners)) or (respiratory adj1 hygiene)).ti,ab.
25		or/20-24
26	Cleaning	(clean* or sterili\$e or sterili\$ation or disinfect* or antibacterial or bleach or saniti* or detergent or (spray adj2 wipe)).ti,ab.
27		exp disinfection/
28		*disinfectant agent/
29		or/26-28
30	Other concepts	(toys or bottles or dummies or sandpit or (play adj equipment)).ti,ab.
31		((cooking adj (class or demonstration)) or ((food or meal) and preparation) or breast?milk or breastmilk or formula).ti,ab.
32		pregnant woman/
33		(diaper or nappy or toileting or potty).ti,ab.
34		(scratch or cut or bite or animal or pet).ti,ab.
35		((soiled or dirty or contaminated) adj1 (linen or laundry or bedding or textile or material)).ti,ab.
36		or/30-35
37		(25 or 29) and 36
38		19 or 25 or 37
39		12 and 38
40		39 not 3

# Inclusion and exclusion criteria were developed to guide screening of identified studies at title/abstract.

Studies of interest were those that evaluated any prevention, control or management interventions for infectious diseases in childhood education settings.

	Inclusion criteria	Exclusion criteria
Setting	• Any child/education based setting (i.e. childcare, family day care, early learning centres, kindergarten)	<ul> <li>Households</li> <li>Hospitals and tertiary centres</li> <li>Community and public health programs</li> <li>Primary and high schools</li> </ul>
Population	<ul> <li>Any person involved in the nominated setting (i.e. teacher, worker, parent, child, etc.)</li> </ul>	Staff or persons working in excluded settings
Intervention	<ul> <li>Any intervention or strategy to prevent, control or manage infectious diseases in the nominated setting. This may include:</li> <li>Education interventions</li> <li>Physical interventions</li> <li>Guidelines and protocols</li> </ul>	<ul> <li>Interventions that evaluate specific treatments to reduce or prevent infectious diseases</li> <li>Interventions or strategies to prevent, control or manage non-communicable diseases in the nominated setting</li> </ul>
Comparator	None specified	None specified
Outcome	<ul> <li>Any measures to evaluate the efficacy of nominated intervention to prevent, control or manage infectious diseases. This may include:         <ul> <li>Decreased transmission</li> <li>Improved behaviours</li> <li>Absenteeism</li> </ul> </li> </ul>	<ul> <li>Measures that do not evaluate the efficacy of an intervention to prevent, control or manage infectious diseases. For example:         <ul> <li>Prevalence</li> <li>Vaccination uptake or coverage</li> </ul> </li> </ul>



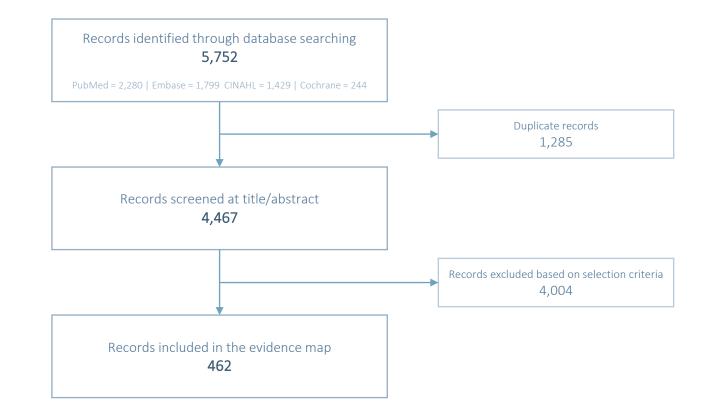
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Scoping the evidence



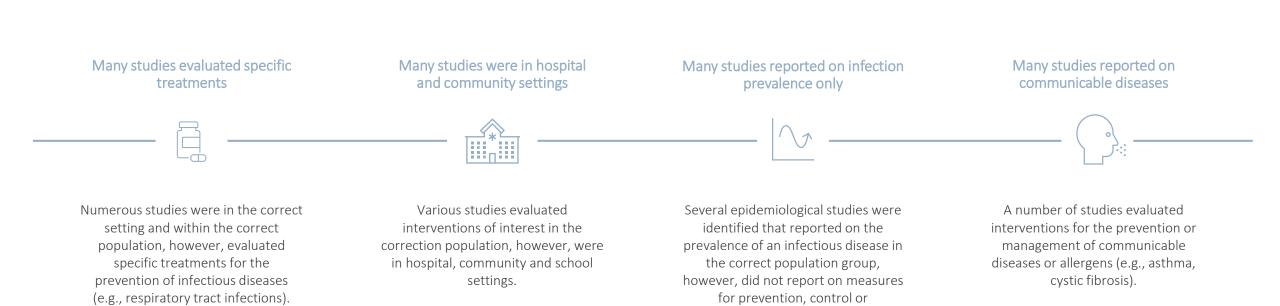


A total of 5,725 studies were identified; screening was performed by one reviewer at title and abstract only and based on inclusion and exclusion criteria





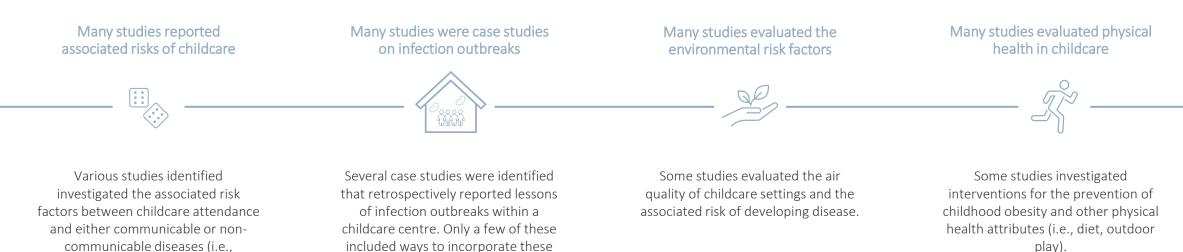
# The most common reasons for exclusion were incorrect intervention, setting and population.



management.



## The most common reasons for exclusion were incorrect intervention, setting and population.



play).



childcare a.

lessons into preventative measures.

## There are limitations to screening title and abstract only which can influence interpretation of the evidence map.

Not all studies provided an abstract, and while efforts were made to search for corresponding abstracts, some decisions to include or exclude were based solely on the title. The study design of some citations were not able to be determined based on the abstract. In these situations, studies were mapped to "*Grey*" literature. Consequently, there may be an overrepresentation of "*Grey*" study designs in the evidence map.

Not all abstracts provide adequate information to determine the intervention and/or outcome. Some abstracts are vague, alluding only that a study reports on infection prevention and control measures.

#### #1224 - Shope 2012

Shope, T. R.; Hashikawa, A. N.

#### Exclusion of mildly ill children from childcare

Pediatric Annals May 2012;41(5):204-208 2012 May

🔻 Hide Abstract & IDs 🔹 Add full text

DOI: 10.3928/00904481-20120426-11

View history 🔎 Add a note 🏷 Move study to Full text review

#1164 - Pauley 1993

Pauley, J. G.; Gaines, S. K.

#### Preventing day-care--related illnesses J Pediatr Health Care Sep-Oct 1993;7(5):207-11 1993 Sep-Oct



#### DOI: 10.1016/0891-5245(93)90005-3

The number of children enrolled in out-of-home day care has increased dramatically. One of the concerns expressed about the use of day care is the contribution of group settings to childhood morbidity. Children who are placed in groups of other children experience more illnesses than their peers who remain at home. However, disease transmission can be minimized by infection control behaviors. Unfortunately, day-care staff and parents are often inadequately prepared in such behaviors. Consequently, by becoming involved in day care, nurses can play a role in reducing the number of day-care–related illnesses.

View history 🔎 Add a note 🏷 Move study to Full text review

#### #1226 - Shope 2014

Shope, T. R.

Infectious diseases in early education and child care programs Pediatrics in Review May 2014;35(5):182-193 2014 May

#### 

#### DOI: 10.1542/pir.35-5-182

\* On the basis of strong research evidence, children in group out-of-home child care settings experience more infections, especially in the first year of life, compared with children cared for only at home who have less exposure to other children. (2)(4)(5) \* On the basis of strong research evidence, earlier acquisition of immunity develops among children who participate in early care and education programs after the first year or two. In general, early childhood exposure to group settings leads to fewer infections, asthma, and atopic disease at school age, although some important subgroups exist. (2)(3)(4)(5)(6)(7)(8) \* On the basis of some research and consensus, infection control and prevention measures consisting of immunizations, hand hygiene, and cleaning, sanitizing, or disinfecting are important to reduce the spread of infections in early care and education settings, (9)(10) \* On the basis of some research and consensus, the primary reason for exclusion is the inability of the child to participate in activities, but in some cases exclusion is required to reduce the spread of harmful infectious diseases. (1)(11)(15) \* On the basis of strong research evidence, unnecessary exclusion is common and causes workplace and financial hardships for families. Pediatricians can have a role in reducing unnecessary exclusions. (12)(13).



# 03

Mapping the evidence



## Based on the included studies, a range of appropriate intervention and outcome categories were determined.

Interventions		Outcomes		
General prevention	Personal prevention	Infection & transmission	Actions	
<ul> <li>General management &amp; control</li> <li>General surveillance &amp; monitoring</li> <li>Exclusion &amp; isolation</li> <li>Inclusion &amp; management of ill children</li> <li>Medical clearance &amp; return post infection</li> <li>Vaccination against common infections</li> </ul>	<ul> <li>Cough &amp; sneeze etiquette</li> <li>Hand hygiene</li> <li>Personal protective equipment</li> <li>Nappy changing and toileting</li> <li>Education of staff, children &amp; families</li> </ul>	<ul> <li>Safety and adverse events</li> <li>Rates, prevalence &amp; spread</li> <li>Emerging pathogenic resistance</li> <li>General prevention measures</li> </ul>	<ul> <li>Absenteeism</li> <li>Behaviour &amp; practices</li> <li>Knowledge &amp; understanding</li> <li>Policies</li> </ul>	
Environment	Food	Environment	Other	

- Cleaning the childcare
- Fomites (e.g., toys, equipment, etc.)
- Textiles (e.g., towels, bedding, etc.)
- Cleaning product used (e.g., soap, sanitizer, spray & wipe, etc.)

- Scratches & bites
- Animals
- Nurses & health professionals

- General preparation, storage, handling of food
- General preparation, storage, handling of formula

## Sustainability

- Pathogens
  - Risk factors

Economic

Category topics were determined based on the information within the title and abstract. In some instances, these topics are broad and encompass an array of studies, others are more specific. Where possible, topics reflected those outlined in the current Staying Healthy Guidelines



# Studies were mapped using *EPPI Reviewer* according to the intervention/s and outcome/s reported in the title and abstract.

The example below illustrates a study that would be mapped to outcomes of "*Rate*" and "*Pathogen*" as well as the interventions of "*Hand hygiene*", "*Education*", "*Vaccination*" and "*Exclusion*".

		CRAVIRAVES Beta
PPI WINNER Beta	Item Details	Feedback Help Margaret Jorgensen LogoJ
		Aboriginal and Torres Strait Islander
	First Previous Next Last Item 68 of 100	terms?  Close/ba Close/ba Close/ba Close/ba
📀 🗹 Screen on title & abstract	Item Details Links Arms Timepoints PDF Coding Record	General Info
🛛 🗡 Map	Ref. Type: Journal, Article	Find on:  Show optional fields?
Region		Management Info
North America Info	Effectiveness of a training program in reducing infections in toddlers attending day care centers	Monitoring Info
	Abstract:	Z Exclusion Info
Middle East Info	The objective of this study was to assess the effectiveness of a hygiene program in reducing the incidence of respiratory and diarrheal diseases in to randomized field trial was conducted in 52 day care centers in Quebec, Canada, between September 1, 1996 and November 30, 1997. Absences for a	
South America Info	and/or diarrhea in toddlers were recorded on calendars by the educators. The number of fecal coliforms on children's hands and on educators' hand	
Africa Info	visits. Overall, 1,729 children were followed in 47 day care centers for a total of 153,643 child-days. The incidence rate of diarrhea was considerably r	
Australia Info	95% CI = 0.54,0.97), and the intervention reduced the incidence rate of upper respiratory tract infections (IRR = 0.80, 95% CI = 0.68,0.93). Monitoring the level of bacterial contamination on children's and educators' hands. The results indicate that both an intervention program and monitoring along	g alone also had an important elect in reducing
Asia Info	attending day care centers.	☑ Hand hygiene Info
Low-middle income countries Info	Author(s) Carabin H ; Gyorkos T W; Soto J C; Joseph L ; Payment P ; Collet J P;	
Multi regional Info	Journal Epidemiology (Cambridge, Mass.)	
Canada Info	Item is Included ID 60940756 Imported ID	
Unknown Info	Year 1999 ISSN	
tudy design	Short Title Carabin (1999) Pages 219-227	
Systematic review Info	Volume 10 Issue 3	
Randomised controlled trial Info		Products Info
Nonrandomised study of intervention Info	Url https://ovidsp.ovid.com/ovidweb.cgi?T=JS&CSC=Y&NEWS=N&PAGE=fulltext&D=cctr&AN=CN-00162742	Food preparation Info
	<b>DOI</b> Availability	Baby formula linfo
Observational Info	Edition Publisher	🗆 Bite 🛛 Info
Expert opinion Info     Grey Info	Month City	□ Animals Info
Survey/interview Info	Country Institution	
	Comments Keywords	▼ Outcomes
Population		Edited on: 29/07/2021 Safety/Adverse events Info



## Studies with various interventions and outcomes are represented multiple times in the evidence map.

Item Details Unks Arms Timepoints PDE Coding Record Ref. Type: Journal, Article										
Effectiveness of a training program in reducing infections in toddlers atte	nding day care cente	rs								
Abstract: The objective of this study was to assess the effectiveness of a hygiene program in reducing the incidence of resp randomized field trial was conducted in 52 day care centers in Quebec, Canada, between September 1, 1996 and 1 and/or diarrhea in toddlers were recorded on calendars by the educators. The number of fecal coliforms on childr visits. Overall, 1,729 children were followed in 47 day care centers for a total of 153,643 child-days. The incidence 95% CI = 0.540.97), and the intervention reduced the incidence rate of upper respiratory tract infections (IRR = 0.	HEALTH TECHNOLOGY ANALYSTS		K Resistance K Pr	evention 🧹 Ab	senteeism 🔍	Behaviour 🤇	Knowledge	Policies	Sustainability 🔍 Pathe	ogens 《
	Hand hygiene 🛣		) .		۲	Ö	•	:	•	•
The study above would be mapped to outcomes of " <i>Rate</i> " and " <i>Pathogen</i> " as well as the	PPE			•		$\mathbf{x}_{i}$		•		•
interventions of "Hand hygiene", "Education", "Vaccination" and "Exclusion".	Nappy change A	•	•	•		•		•		•
In total, this study would appear eight times in the evidence map (circles show how this would occur).	Cleaning		)	*	•	١	•	:		•
		• •		•	:	:	:	•		•
	Fomites	-	•	•	•	•	•			
	Textiles 🔿									



Risk factors 🯾 🐇 E

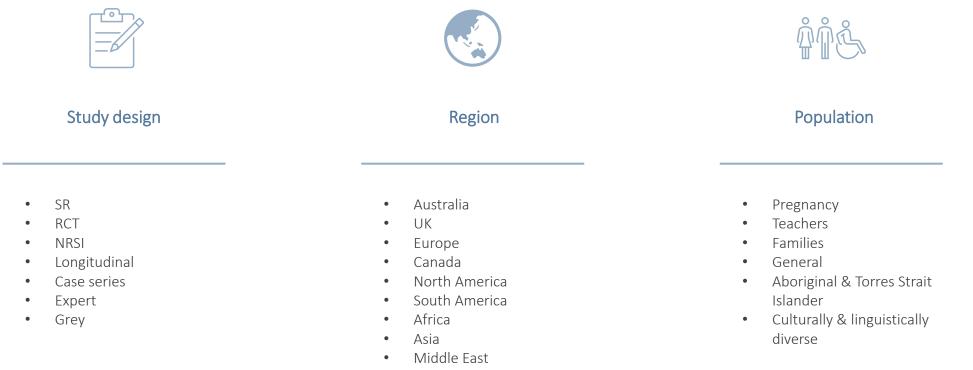
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# Studies were also classified by study design and region; where possible particular study populations were also identified.

This allows the user to filter studies by a combination of study design, region and population.

As previously noted, the study design of some citations were not able to be clearly identified in the abstract. In these situations, the study was classified as "Grey". Therefore, there may be an over representation of "Grey" literature.



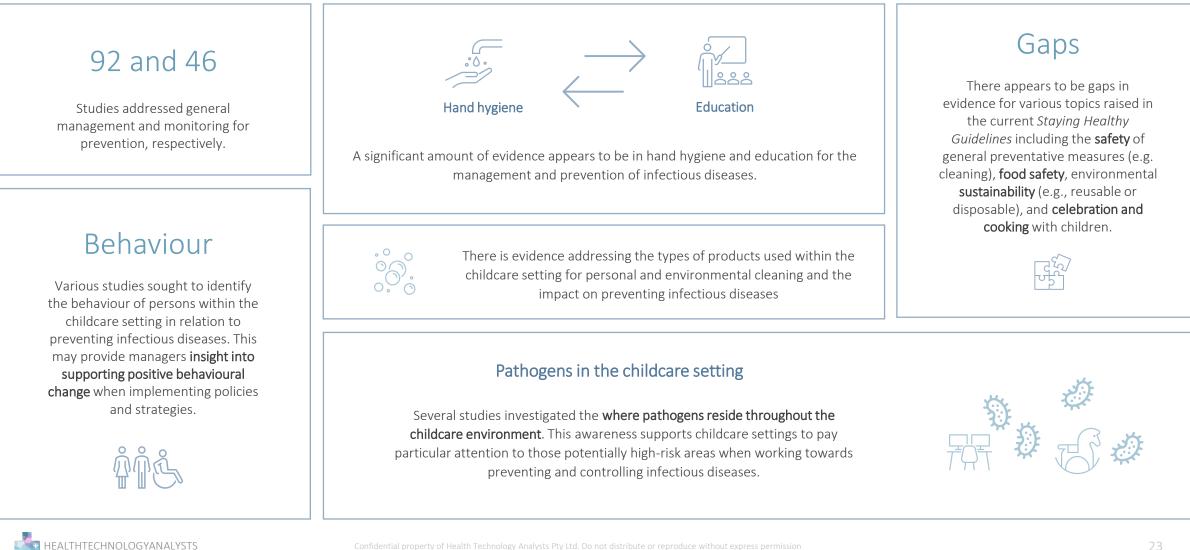
- Low & middle income
- Multi-regional

# 04

Findings and gaps



Based on the scoping review, a large proportion of the evidence is on hand hygiene and education for the management and prevention of infectious diseases.



## Part 1: Concepts in infection control

	Evidence	What's new?	Where are the gaps?
1.1 Causes	This section of the document outlines the main types of germs causing infection.	Risk factors for infection within the childcare setting	It is not clear if the evidence addresses the causes of infection.
1.2 Spread	There appears to be some evidence for the transmission and spread of pathogens within the childcare centre. In addition, elements of spread and transmission are likely touched on in studies.	High risk areas harbouring pathogens, increasing the risk of infection and transmission.	It is unclear if the evidence specifically addresses elements of transmission.
1.3 Prevention	<ul> <li>There is a large amount of evidence on general prevention measures.</li> <li>In addition, there is evidence for specific measures:</li> <li>There is a significant amount of evidence on hand hygiene, including use of products (e.g., soap, sanitizer).</li> <li>There is some evidence for exclusion of children and educating families on policies and procedures.</li> <li>There is some evidence on environmental cleaning and when cleaning should be carried out (e.g., following nappy changing).</li> <li>There appears to be some evidence for the cleaning products used (e.g., spray and wipe, detergent).</li> <li>There is some evidence on the knowledge and understanding of staff regarding immunisation, particularly in pregnant women.</li> </ul>	The importance of actively involving families in a range of prevention strategies including hand hygiene.	There appears to be gaps in the evidence for hand care, hand drying and clearance following exclusion. There are gaps in the evidence for glove use and allergies in adults and children.



## Part 2: Monitoring illness in children

	Evidence	What's new?	Where are the gaps?
2.1 Monitoring	There is evidence for monitoring strategies as part of infection control and prevention. It appears that this evidence is about the knowledge and understanding of staff and families around policies and procedures (e.g., recognising symptoms, when treatment is required, etc.) as well as the methods for communication. There also appears to be some evidence for the use of monitoring systems to improve identification of potential outbreaks.	No new concepts addressed based on the titles and abstracts of identified studies.	There appears to be gaps in evidence for management of symptoms following immunisation. Much of the evidence for immunisation appears to be specifically about the vaccine used rather than post management. In addition, this evidence may be within the hospital or community setting. There also appears to be gaps in the evidence for specific information on reducing fever. It is unclear if there is evidence for record keeping regarding ill children.



### Part 3: Procedures

	Evidence	What's new?	Where are the gaps?
3.1: Personal hygiene	There appears to be a large amount of evidence on personal hygiene. This evidence largely includes hand hygiene education interventions for improving child and adult practices, the most effective products to use when washing hands and when hands should be washed. There is limited evidence on PPE, including when gloves should be used.	The importance of actively involving families to support children outside the childcare setting to continue personal hygiene behaviours.	There appears to be gaps in the evidence addressing hand care, hand drying and best practice for glove use and other PPE.
3.2: Nappies & toileting	There is some evidence addressing various elements of nappy changing. Much of this evidence appears to be related to hand hygiene, however, some evidence appears to be related to the nappy change station. There appears to be some evidence on cleaning nappy changing environments. There is limited evidence on caring for the skin when changing nappies (e.g., use of creams) and for cloth vs disposable nappy use.	No new concepts addressed based on the titles and abstracts of identified studies.	There appears to be gaps in the evidence for toilet training. It is unclear if the evidence provides best practice for nappy changing procedures (e.g., placing paper on change table).
3.3: Spills	There is limited evidence for bodily fluids. There was minimal evidence on procedures for dealing with faeces and nasal discharge (including cough etiquette) and less evidence on procedures for dealing with blood. At least one study appears to address aspects of first aid.	No new concepts addressed based on the titles and abstracts of identified studies.	There are gaps in the evidence for procedures to deal with vomit and urine. There appears to be gaps in the evidence for procedures to clean up blood or other bodily fluids. Much of this evidence may be within studies in the hospital setting.



## Part 3: Procedures continued

	Evidence	What's new?	Where are the gaps?
3.4: Cleaning	There is evidence for cleaning procedures in the childcare environment. There appears to be evidence for most effective products to use when cleaning and what areas may require more attention. There is evidence addressing the pathogens residing on fomites and need for attention in preventing infection. This includes toys and equipment, basins, benchtops, nappy changing stations.	No new concepts addressed based on the titles and abstracts of identified studies.	There appears to be gaps in the evidence on cleaning cots, dummies, toothbrushes, carpets, curtains, etc. It is unclear if the evidence addresses cleaning processes such as when to clean (i.e., decision trees) or if PPE should be used when cleaning.
3.5: Food	There appears to be limited evidence on food safety. There is some evidence addressing food handling and hygiene practices around food handling. Much of this evidence appears to be around hand washing when staff work in multiple areas of the childcare environment (e.g., nappy changing and food preparation) and general cleaning of the environment. There is some evidence for processes prior to eating (e.g., hand hygiene). There is limited evidence for preparation of formula.	No new concepts addressed based on the titles and abstracts of identified studies.	<ul> <li>There are notable gaps in the evidence on food safety:</li> <li>Preparation of raw and cooked foods</li> <li>Food sharing practices</li> <li>Heating and cooling of food</li> <li>Preparation of breast milk</li> <li>Storage and heating of either formula or breast milk</li> <li>Children's cooking classes</li> </ul>
3.6: Other considerations	There is limited evidence for other considerations. Limited evidence addresses hygienic procedures related to animals within the childcare setting. There was very limited evidence for procedures following bites and scratches.	<b>No new concepts</b> addressed based on the titles and abstracts of identified studies.	There is a notable gap in the evidence for other considerations including sandpits, celebration cakes and blowing out candles, playing with play dough. There is a gap in the evidence for bat bites, fleas, fish and marine animals.



## Part 4: Issues for employers, educators and other staff

	Evidence	What's new?	Where are the gaps?
4.1: Health & safety	There is evidence for general management and prevention strategies. Some of this evidence is related to policies and some appears to be related to the health and safety of staff. There is also evidence for the knowledge and understanding of staff regarding infection control measures and policies within the childcare setting.	No new concepts addressed based on the titles and abstracts of identified studies.	It is unclear how much evidence addresses workplace health and safety.
4.2: Immunisation	There is some evidence relating to the knowledge, understanding and behaviours of staff on immunisations. Some of the evidence may address the most relevant immunisations for staff within the childcare setting.	No new concepts addressed based on the titles and abstracts of identified studies.	There appears to be a gap in the evidence for specific policies on unvaccinated staff (e.g., exclusion, restrictions).
4.3: Pregnancy	There is some evidence on the risk factors of pregnancy women (or women of childbearing age) associated with working within the childcare setting. Cytomegalovirus appears to have the most evidence. There appears to be some evidence for the management of risk factors identified.	<b>No new concepts</b> addressed based on the titles and abstracts of identified studies.	There appears to be gaps in evidence for other infectious diseases during pregnancy including listeriosis and rubella.
4.:4 Public health units	There is some evidence on the importance and value of involving public health professionals in the childcare setting (e.g., nurses). There may be some cross over in evidence for monitoring of infectious diseases (e.g., studies monitoring child health and reporting to public health units).	No new concepts addressed based on the titles and abstracts of identified studies.	There appears to be a gap in the evidence regarding notifiable diseases.

Results from the scoping review suggest there are no new concepts that are not already addressed in the current *Staying Healthy* Guidelines.



The findings from the scoping review suggest that there is an **abundance** of literature relevant to the prevention and management of infectious diseases.



The evidence within the childcare setting is primarily international based and of a lower quality making it difficult to draw strong conclusions and generalise to the Australian setting.



Based on the titles and abstracts, there **does not appear to be any new concepts** to tackle the prevention and management of infections that have not already been addressed in the current *Staying Healthy* Guidelines.

Based on the results, it is unlikely that the evidence would change the recommendations outlined in the current Staying Healthy Guidelines.



Executing a systematic literature review would give an evidence base to the Staying Healthy Guidelines, setting a standard and adding value.



A systematic literature review would align the document with other guidelines and evidencebased standards.



Identifying the evidence and acknowledging the gaps would provide transparency and strength to the current recommendations.



Results of the scoping review suggest there may be **some studies** (excluded from evidence map) **addressing information outside the current scope** of the Guidelines but with **relevance to the childcare setting** (e.g., asthma, allergens).

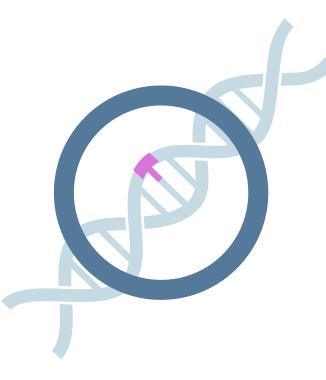


Results of the scoping review suggest there may be some studies in other settings such as hospitals and communities (excluded from evidence map) that could be drawn on to support and inform recommendations

Results suggest an evidence review would add value to the strength of the Guidelines and could draw on evidence in other settings (e.g., hospitals) to inform recommendations, as well as potentially addressing additional topics currently outside the scope of the Guidelines.



## Thank you





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