

Community Holistic Interventions for Multimorbidity in older people: Evaluation of the evidence

CHIME

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Where did it start?

CHIME



Ideas for intervention study - geriatrics



Call for funding

- Generate data for NIHR bids
- Impact Liverpool CCG
- Impact NHS

What's the point of a scoping review?

CHIME

1. Map extent, range & nature of research activity
 2. Check whether full systematic review worthwhile
- } aiming for systematic review
3. Summarise & demonstrate research findings
 4. Identify gaps where more research needed
- } facilitate other activities

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- Liverpool CCG
- NIHR RfPB
-
- ```
graph LR; S1[1. Map extent, range & nature of research activity]; S2[2. Check whether full systematic review worthwhile]; S3[3. Summarise & demonstrate research findings]; S4[4. Identify gaps where more research needed]; S1 --- BR1[} aiming for systematic review]; S2 --- BR1; S3 --- BR2[} facilitate other activities]; S4 --- BR2; S3 --> LCCG[Liverpool CCG]; S4 --> NIHR[NIHR RfPB];
```

# The process of a scoping review

CHIME

Form  
research  
question



Identify  
search  
strategy



Select  
relevant  
studies



Chart data



Collate,  
summarise  
and report

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## CHIME research question

What is currently known from research about the effectiveness of community holistic interventions for older people with multimorbidity, what research is currently in progress, and what gaps in knowledge still exist?

# The process of a scoping review: definitions

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| Definition     | CHIME search                                                                                                                                   |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Community      | Occur in: primary care/minor injuries, patient's usual residence, healthcare settings manned mainly or wholly by community-based practitioners |
| Holistic       | Addresses needs from at least 2 aspects of health: physical, mental, social, cultural                                                          |
| Multimorbidity | 2 or more concordant or discordant physical/mental illnesses                                                                                   |
| Elderly        | Population/subgroup aged at least 60                                                                                                           |

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## Multimorbidity

e.g. 2 or more diseases

## Frailty

e.g. Fried Frailty Index (CHS criteria)

Presence of 3 of:

- Weight loss
- Low handgrip strength
- Slow gait
- Exhaustion
- Reduced physical activity

Form research question



Identify search strategy



Select relevant studies



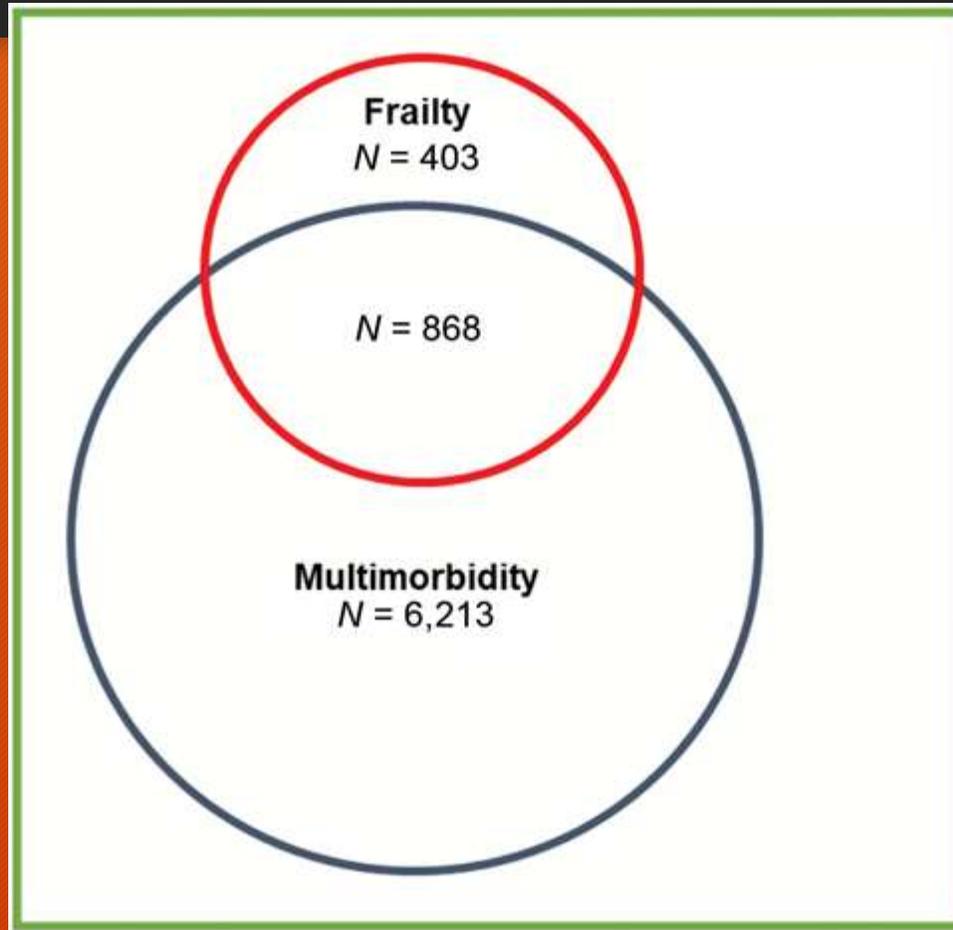
Chart data



Collate, summarise and report

# The process of a scoping review: definitions

CHIME



# The process of a scoping review: sources

CHIME

Form  
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Identify  
search  
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Select  
relevant  
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Chart data



Collate,  
summarise  
and report

- Literature reviews
- Published trials
- Ongoing trials

# The process of a scoping review: sources

CHIME

Form research question



Identify search strategy



Select relevant studies



Chart data



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# The process of a scoping review: sources

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Cochrane review

Medline

EMBASE

# The process of a scoping review: sources

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Current controlled trials (ISRCTN)

Clinicaltrials.gov (NCT)

Aus & NZ Clin Trials Registry (ACTRN)

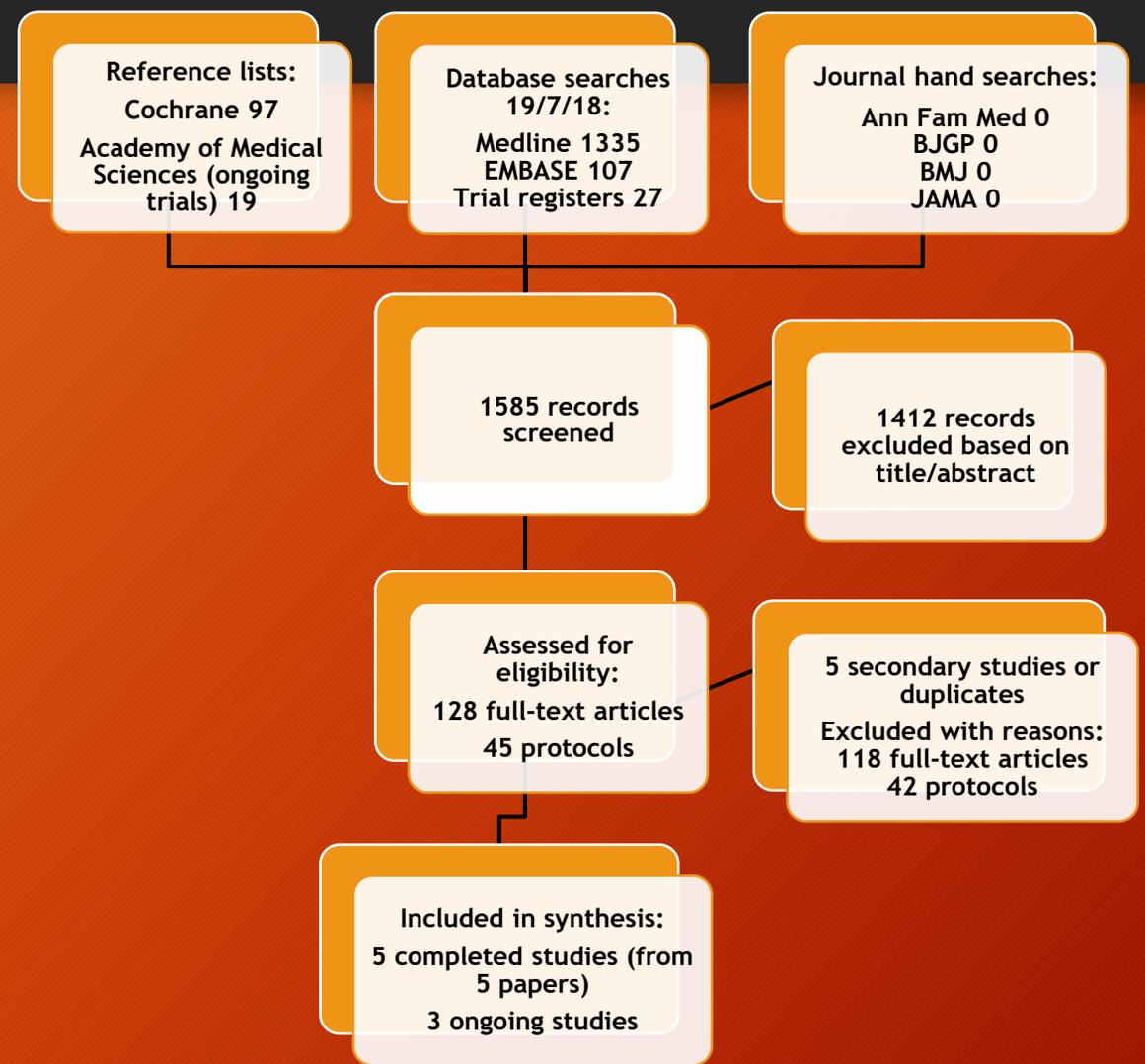
Netherlands Trial Register (NTR)

Academy of Medical Sciences report



# Data flow in our scoping review

CHIME



# Overlap with Cochrane review

CHIME



| Difference     | CHIME search                                                                                                                                   | Cochrane search                                                                                              | Gain/loss |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-----------|
| Community      | Occur in: primary care/minor injuries, patient's usual residence, healthcare settings manned mainly or wholly by community-based practitioners | Delivered by primary care professionals (i.e. treat all common conditions at all ages, ongoing relationship) | +1        |
| Holistic       | Addresses needs from at least 2 aspects of health: physical, mental, social, cultural                                                          | Target at least 2 different health conditions                                                                | -4        |
| Multimorbidity | 2 or more concordant or discordant physical/mental illnesses                                                                                   | 2 or more chronic conditions                                                                                 | -1        |
| Elderly        | Population/subgroup aged at least 60                                                                                                           | Any age included                                                                                             | -12       |