

# The influence of integrated home and community care programs on Quadruple Aim and Health Equity outcomes across the health care system: A scoping review

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## BACKGROUND

- Care needs of community-dwelling older adults are complex<sup>1,2</sup>.
- Expansion of home and community care has been identified as key to the transformation of long-term care,<sup>3-5</sup> having the potential to support medical, functional, cognitive and psychosocial care needs<sup>2,5</sup> and meet the desire of ageing Canadians to live, age, and receive care at home<sup>4</sup>.
- The influence of integrated home and community care programs on the broader health system is not well understood and may be useful to inform practice and future research.

## STUDY PURPOSE

- To map the extent and type of evidence examining the influence of integrated home and community care programs on the health system (acute care, emergency medical services, primary care, informal care, and facility-based long-term care) through the lens of the Quadruple Aim and Health Equity<sup>6</sup>.

## METHODS

- Scoping review following Levac et al.'s<sup>7</sup> methodological approach.
- AgeLine, CINAHL and MEDLINE were searched for articles published between January 2013 and July 2023.
- International Journal of Integrated Care, Journal of Integrated Care, Health and Social Care in the Community and International Journal of Care Coordination were hand searched and included articles underwent citation searching.

## RESULTS

- 5,656 titles and abstracts and 569 full-text articles underwent screening, with 57 articles moving to extraction (Fig 1).
- Many studies were excluded because of unclear descriptions of the care model or how it facilitated integrated care delivery in home and community settings.

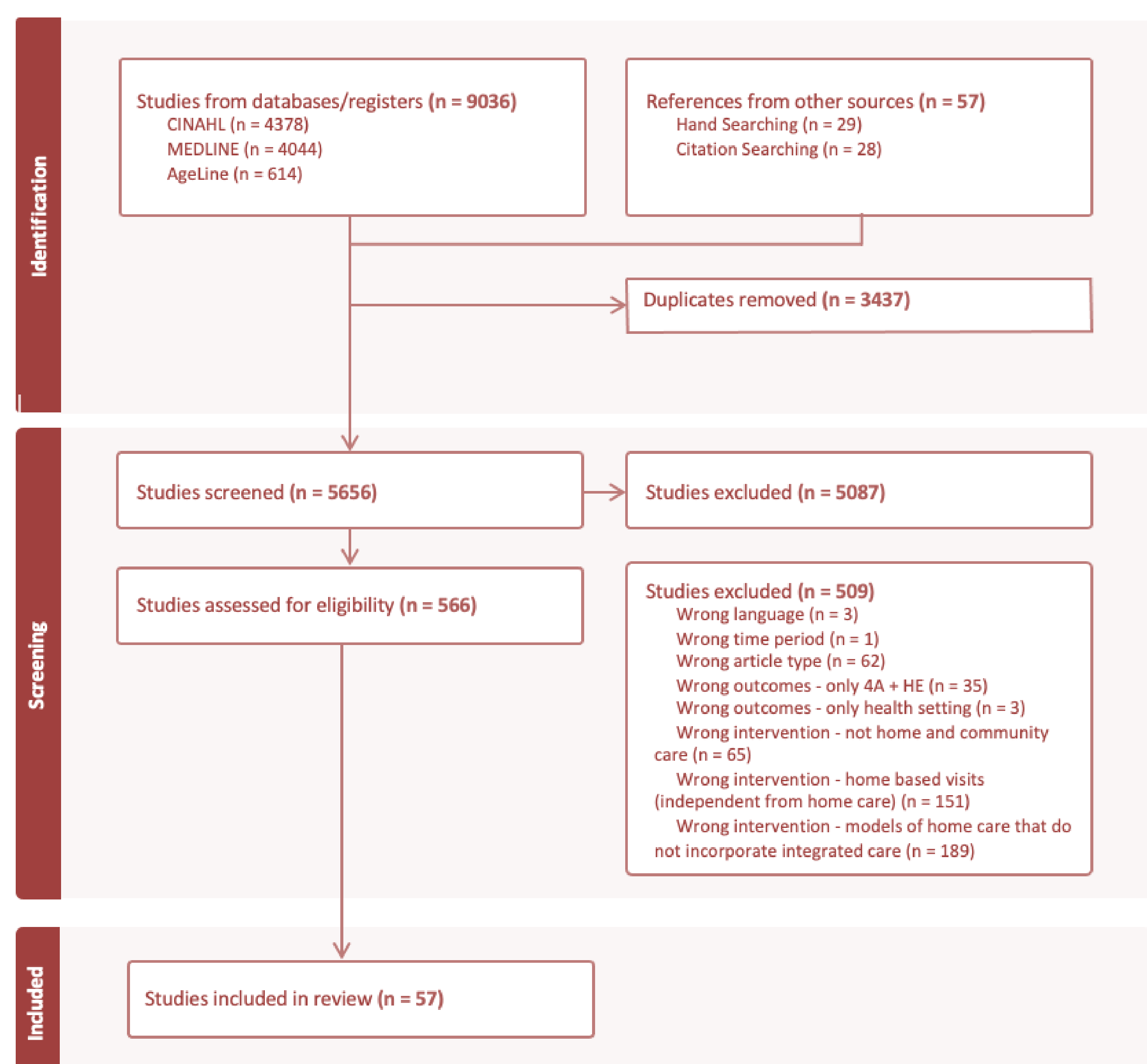


Figure 1. PRISMA flow diagram

- Preliminary findings show:





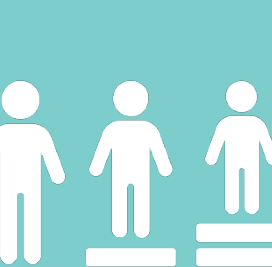
 Value for Money	Mixed findings (improvement, no significant difference) on cost of care outcomes, predominantly in relation to hospital and emergency department utilization.
 Population Health	Mixed findings (improvement, no significant difference) on population health outcomes such as functional performance, mortality rate, and falls risk.
 Patient and Caregiver Experience	Limited findings show enhanced patient and caregiver experience measured as increased satisfaction, improved health related quality of life, and reduced caregiver burden/strain.
 Provider Experience	Limited findings that explicitly discuss the influence of integrated home and community care on provider experience across the health system.
 Health Equity	Limited findings that explicitly discuss the influence of integrated home and community care on health equity across the health system.

Figure 2. Quadruple Aim and Health Equity Outcomes

## DISCUSSION & CONCLUSION

- Synthesis and application of evidence on integrated home and community care models requires researchers to describe model components and study settings more clearly in their publications.
- Additional research about the influence of integrated home and community care models on health system settings and outcomes beyond hospital-based service utilization is needed for future uptake, scale and spread.

## NEXT STEPS

- Completion of review including consultation with study collaborators (i.e., point-of-care clinicians, health system leaders, older adults and family caregivers).
- Findings will be used to inform economic modelling and pilot testing of an ongoing project on Long Term Life Care at Home in Ontario, Canada<sup>5</sup>.

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