
REDCap: Evaluating the Effectiveness of the Community/Parish Nurse

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Introductions

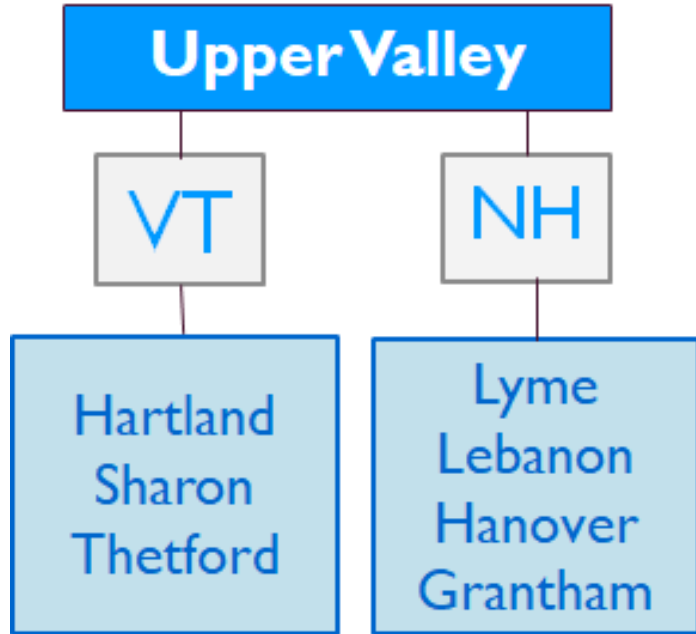
- Senior nursing students from Colby-Sawyer College
 - Nursing Capstone Project
- Partnered with the UVCNP
 - Focus of this project is demonstrating the effectiveness of the community and parish nurses through the data collected in the new documentation tool REDCap

Objectives

- To increase awareness and understanding regarding the value of this pilot project in:
 - Managing client information
 - Facilitating the ability to better understand the role of the nurse and outcomes in client care
 - Increasing support for future funding requests
 - Identifying the needs of the Upper Valley frail older adult population

The Upper Valley Community Nursing Project (UVCNP)

UVCNP



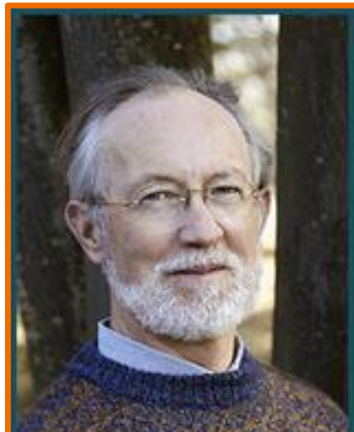
- Fiscal agent: Public Health Council of the Upper Valley
- Facilitate placement of a nurse in community to address non-acute needs of older adults
- Bridging the gap



Laurie Harding
MS, RN



Dr. Bob Rufsvold



Dr. Dennis
McCullough

Care based on
NEED *not*
reimbursement

Community and Parish Nursing



Aging in Community

- The vast majority of older adults prefer to age in their own homes
- More comfort and less expense
- Most would prefer to not spend their last days in the hospital
- Difficulty managing
 - Impaired mobility
 - Frailty
 - Risk for falls
 - Polypharmacy
- Avoid hospitalizations and poor health outcomes

(Lerner, 2016)

Measuring Effectiveness of the Community/Parish Nurse

- Nurses are funded mainly through grants and donations from towns, community members, and non-profit organizations
- Prior to August 2017, the nurses had no formal documentation system
 - No way of demonstrating the effectiveness or need for the community nurse
- “Evaluation” piece of the nursing process



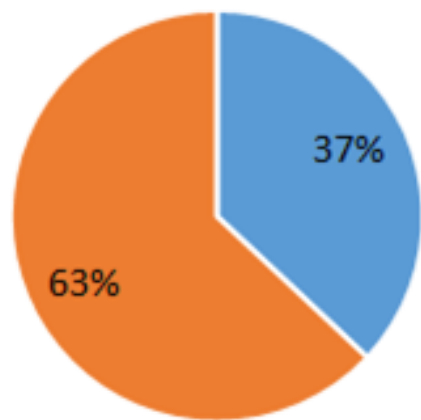
- Electronic documentation tool
- UVCNP began to utilize REDCap in August 2017
- Used to gather clinical information to assist the nurse in developing a plan of care for her clients
- Increased funding
 - Increase resources
 - Improved care for a larger percentage of community-dwelling older adults

Communities	Lebanon	Church of Christ Dartmouth College	Lyme Congregational Church	Town of Hanover	Town of Eastman	Town of Thetford	Town of Hartland	Town of Sharon
Providers	Janet Lowell, RN Kappy Scoppettone, Outreach Worker Jane Conklin, MSW	Rita Severinghaus, RN	Ellen Thompson, RN Sharon Morgan, APRN	Doris Yates, RN	Trish Peters, RN	Cindy Grigel, RN	Jill Lloyd, APRN	Sandy Singer, Health Coordinator
Recording Period in RedCap	6 months	6 months	6 months 2 months	0 months (New hire)	4 months	6 months	5 months	0 months (New hire)
RedCap Registered clients	30	27	99	Not started	4	26	12	Not started

Characteristics of the UVCNP Client Population

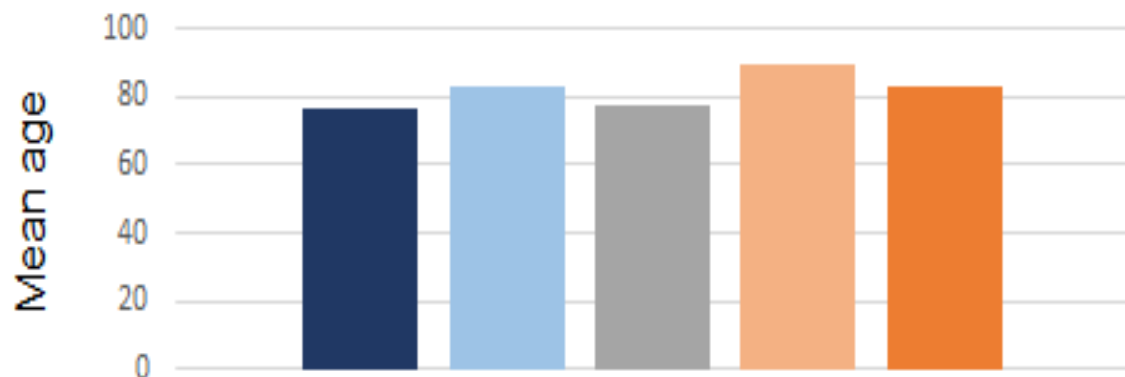
Demographics

Gender



■ Male ■ Female

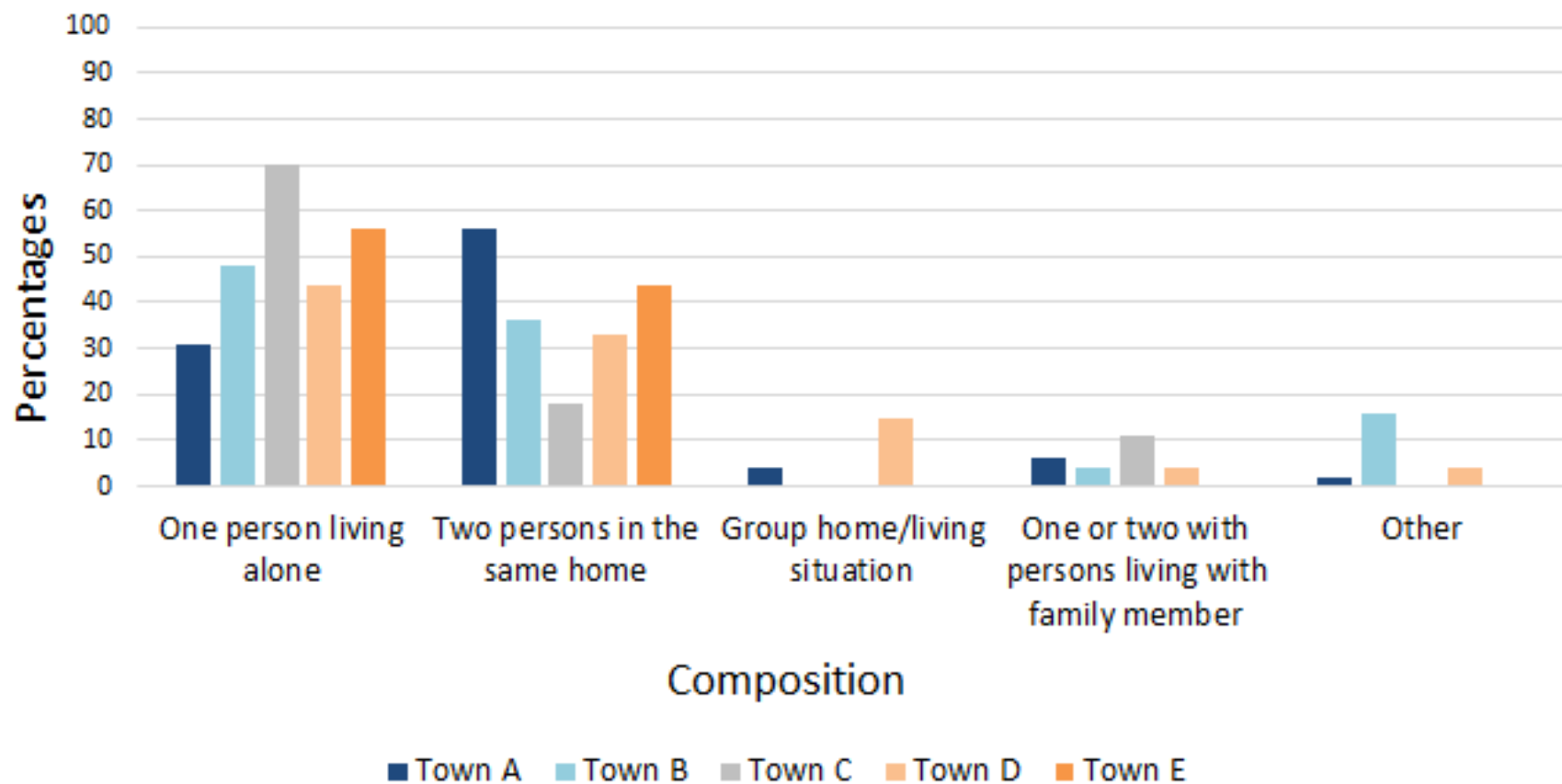
Mean Age of UVCNP Clients



Towns

■ Town A ■ Town B ■ Town C ■ Town D ■ Town E

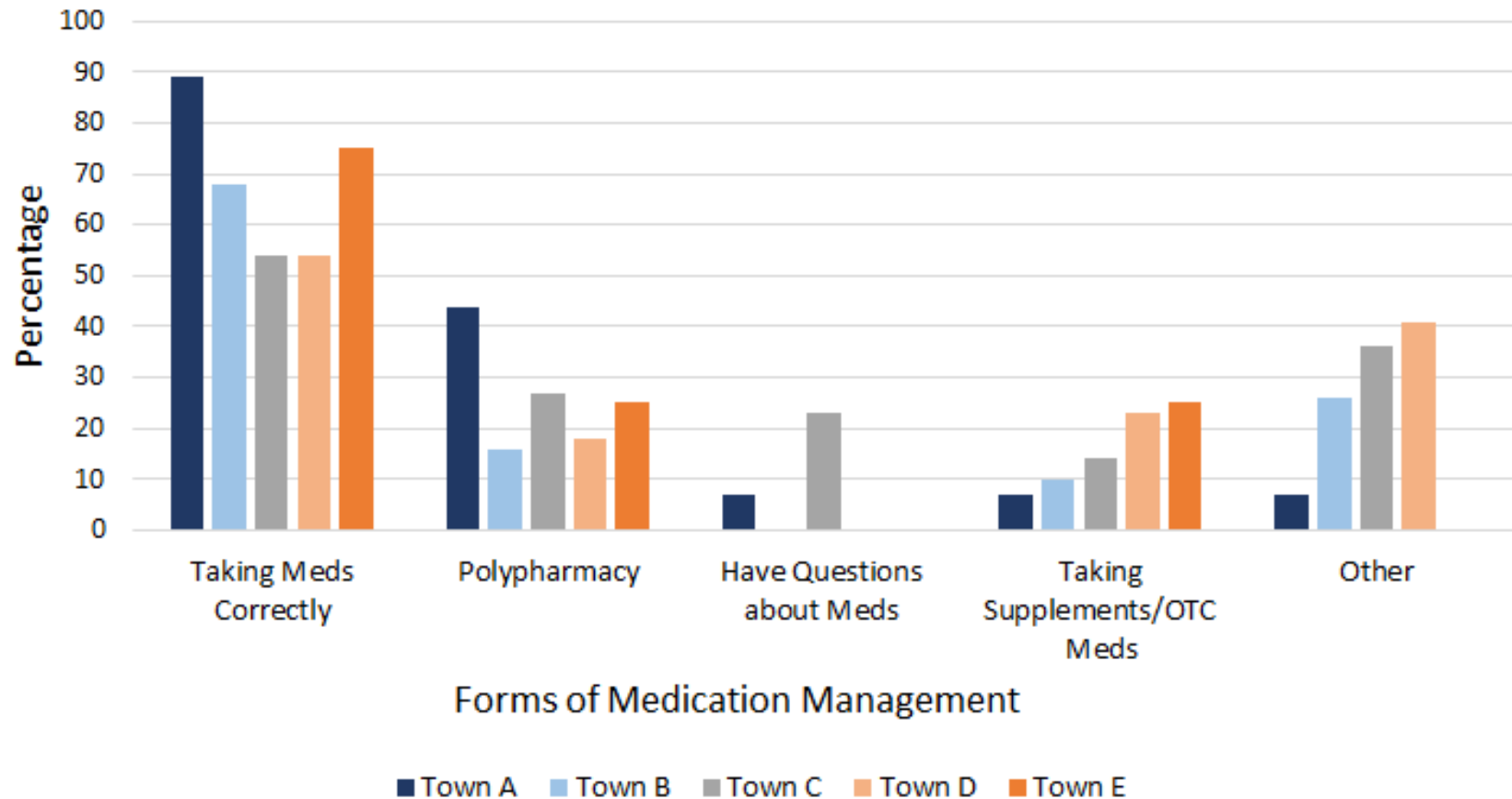
Household Composition



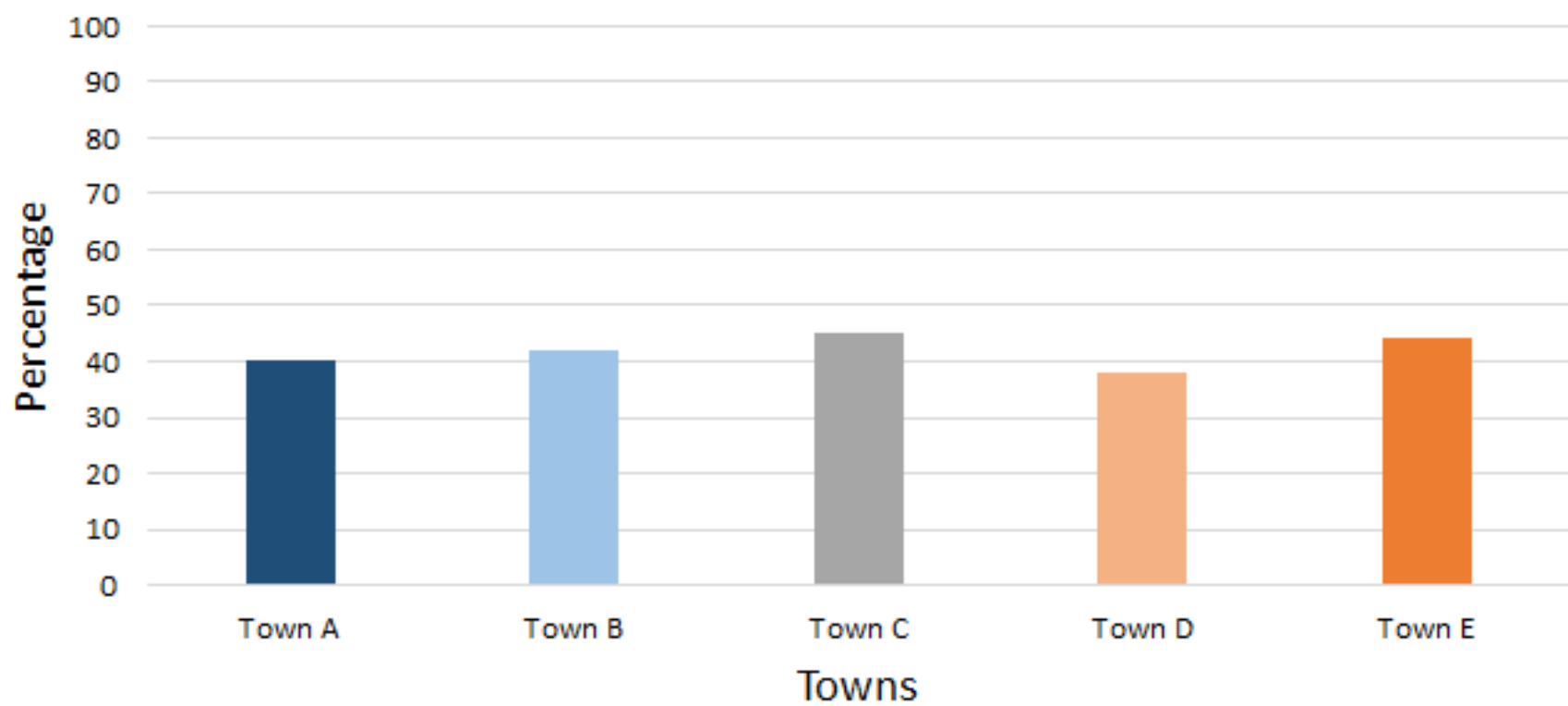
Top Five Health Problems

	Town A	Town B	Town C	Town D	Town E
#1	Fatigue/ weakness	Fatigue/ weakness	Frailty	Fatigue/ weakness	Impaired Physical Mobility
#2	Chronic pain	Frequent falls	Impaired Physical Mobility	Frequent falls	Impaired cognitive functioning
#3	Bowel issues	Chronic pain	Self-care/ bodily care deficit	Respiratory difficulties	Frequent falls
#4	Frequent falls	Urinary voiding problems	Frequent falls	Chronic pain	Social Isolation
#5	Respiratory difficulties	Acute pain	Impaired cognitive functioning	Open skin areas	Fatigue/ weakness

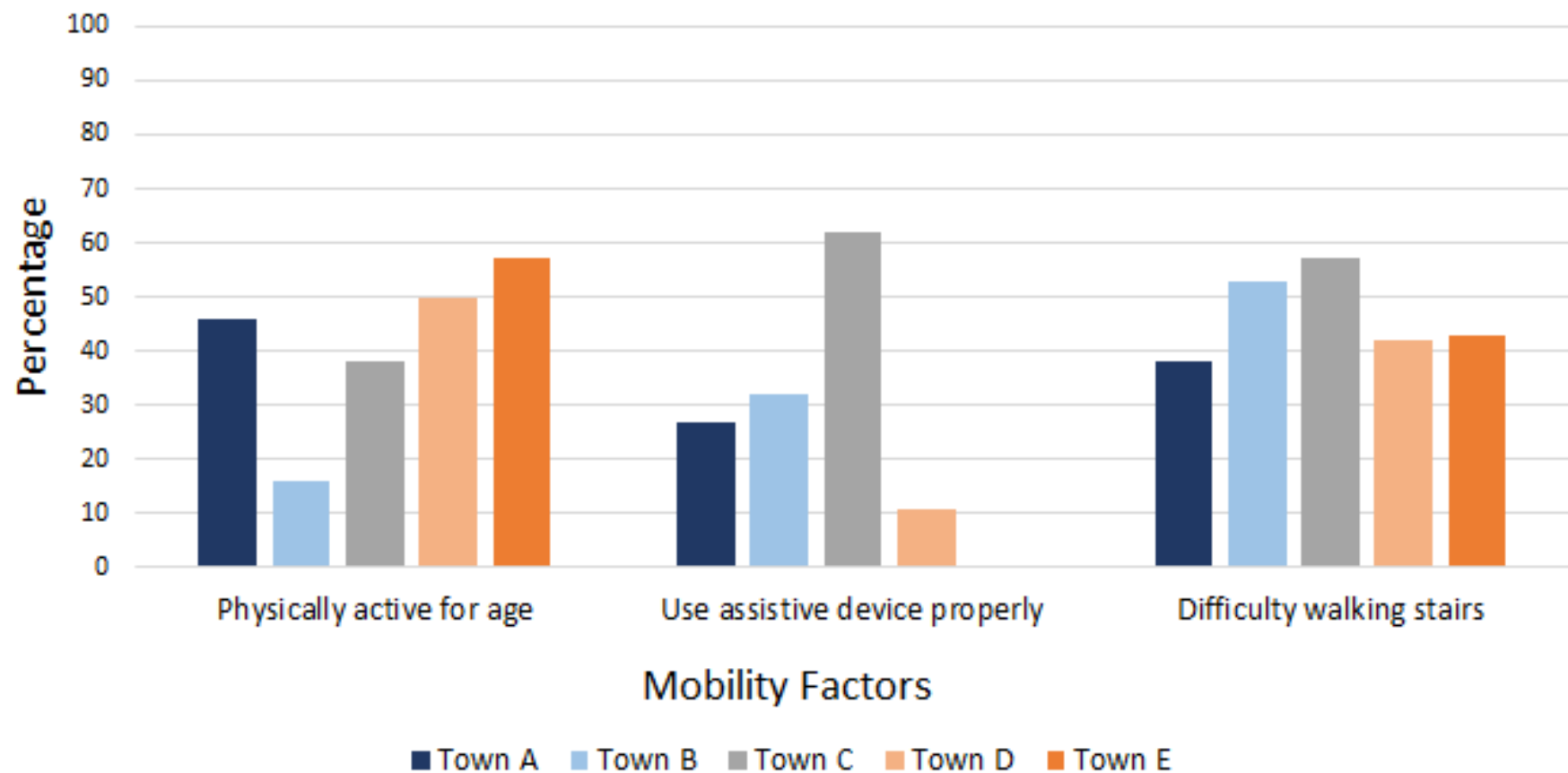
Medication Management



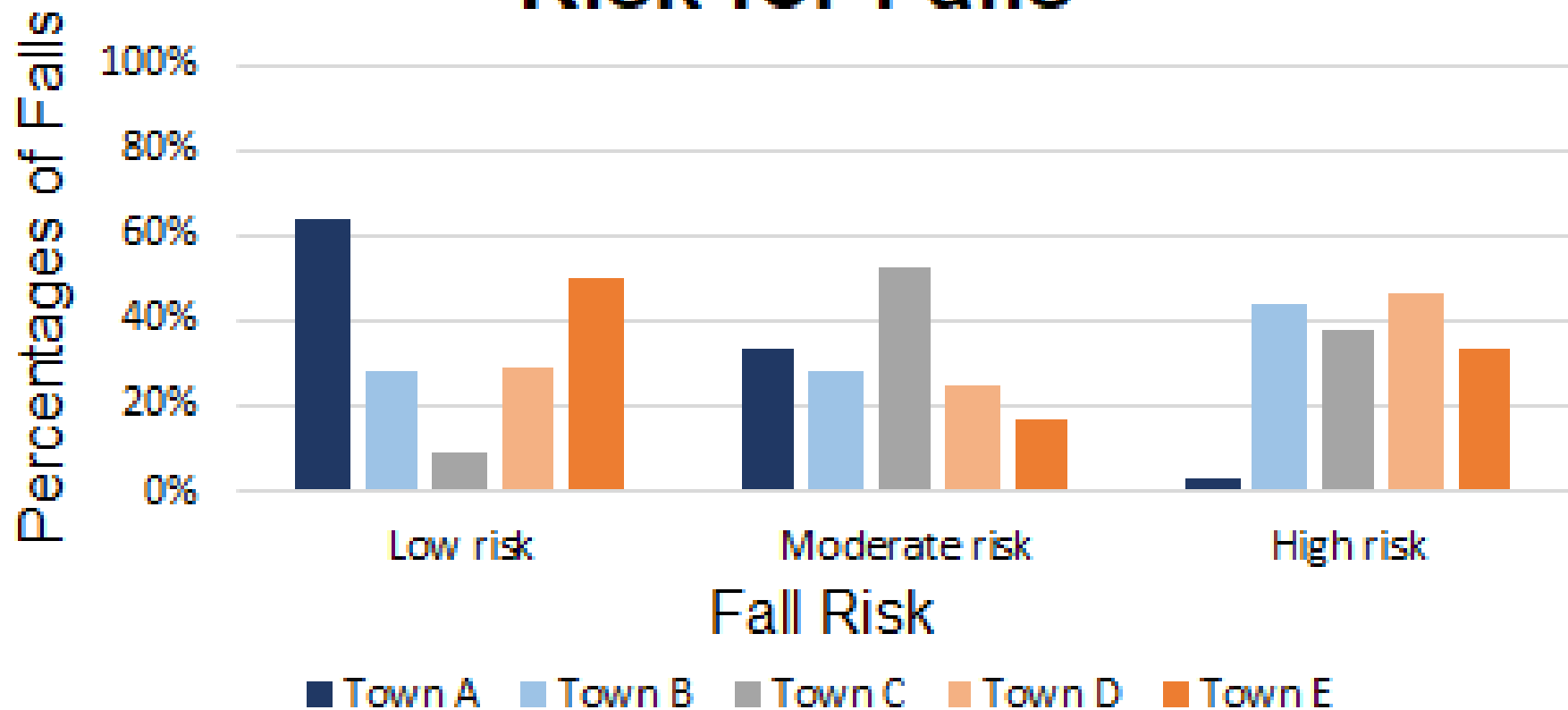
Daily Functioning Moderately Limited by Physical Problems/Symptoms



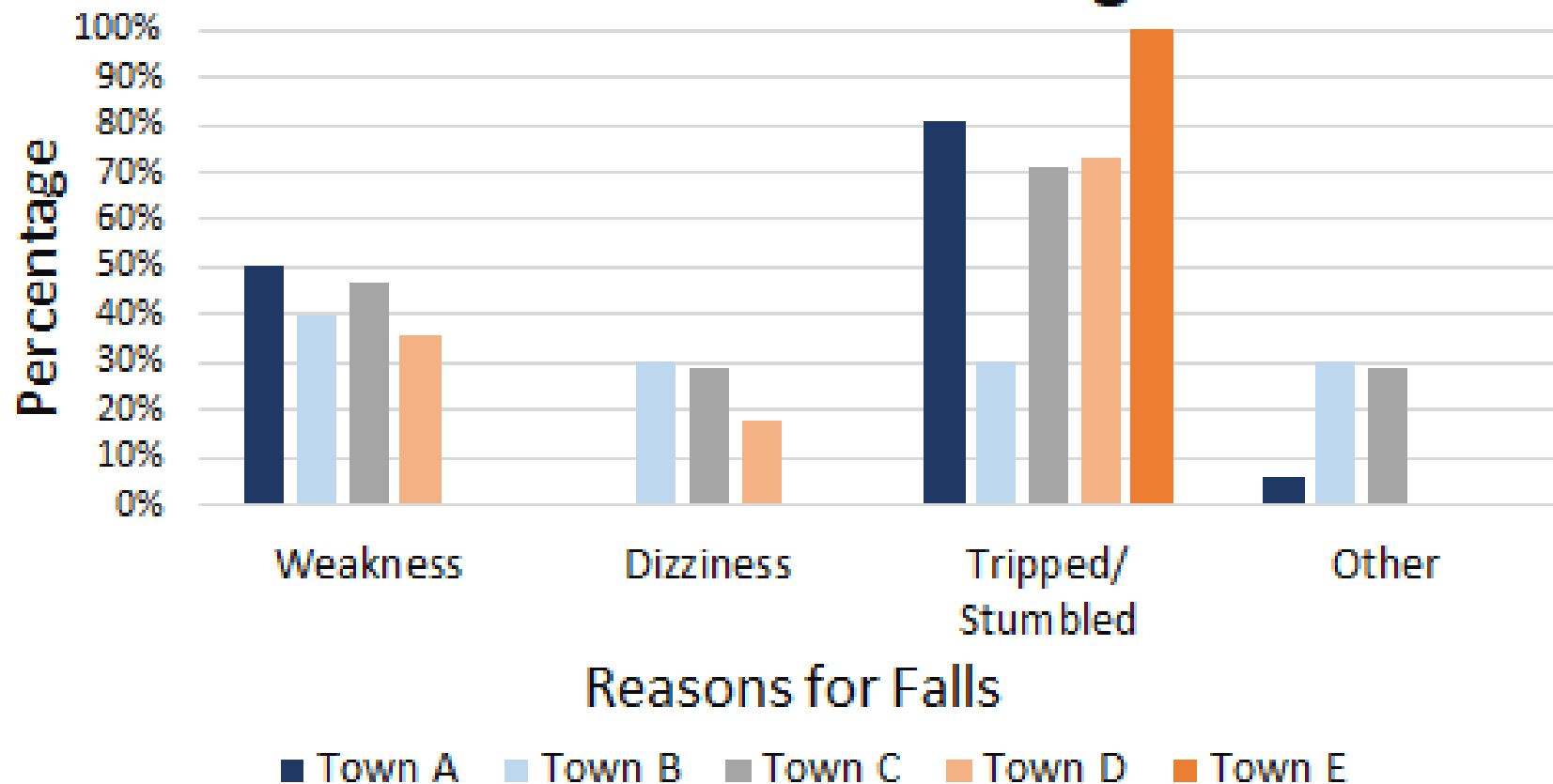
Mobility



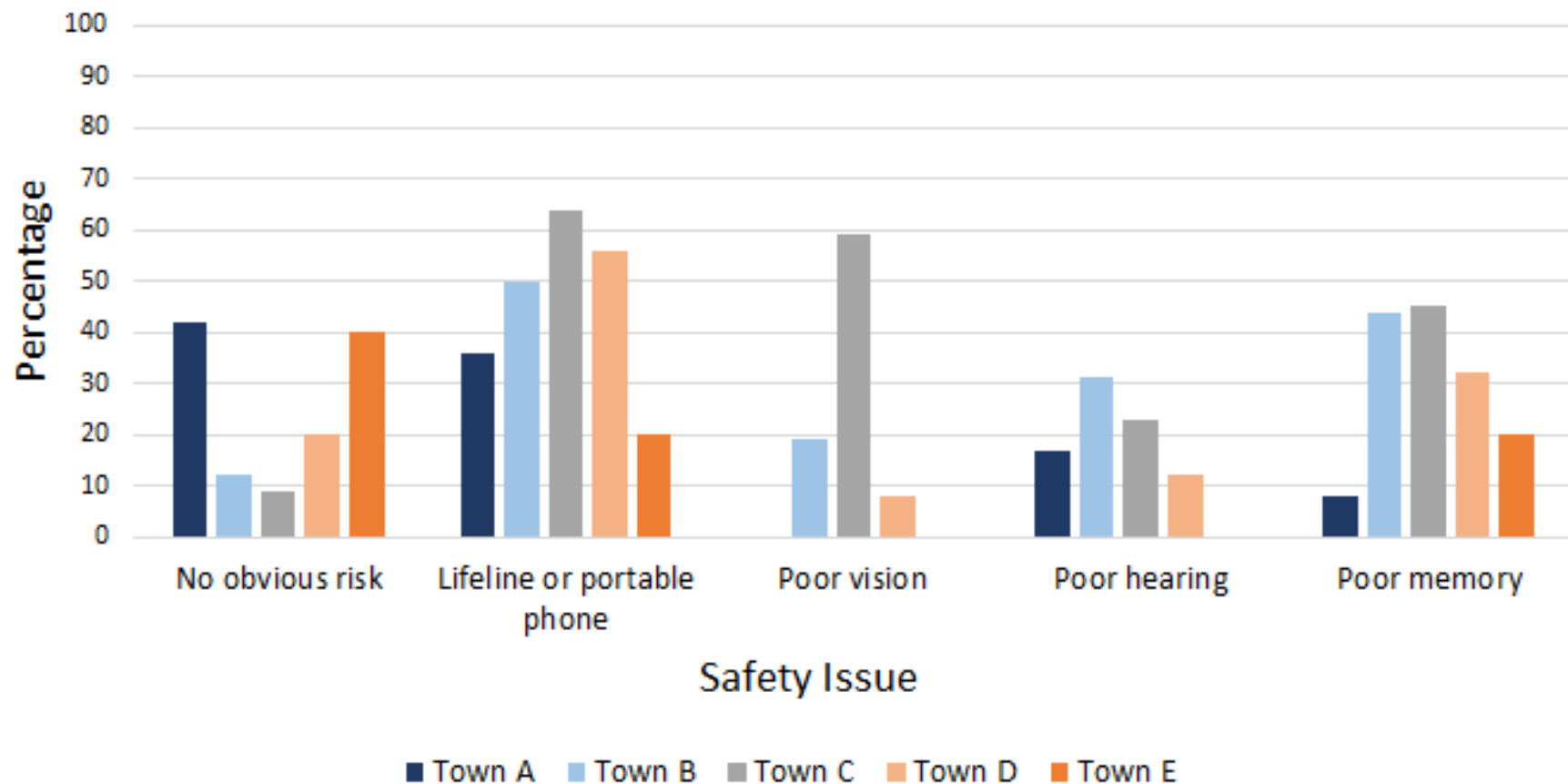
Risk for Falls



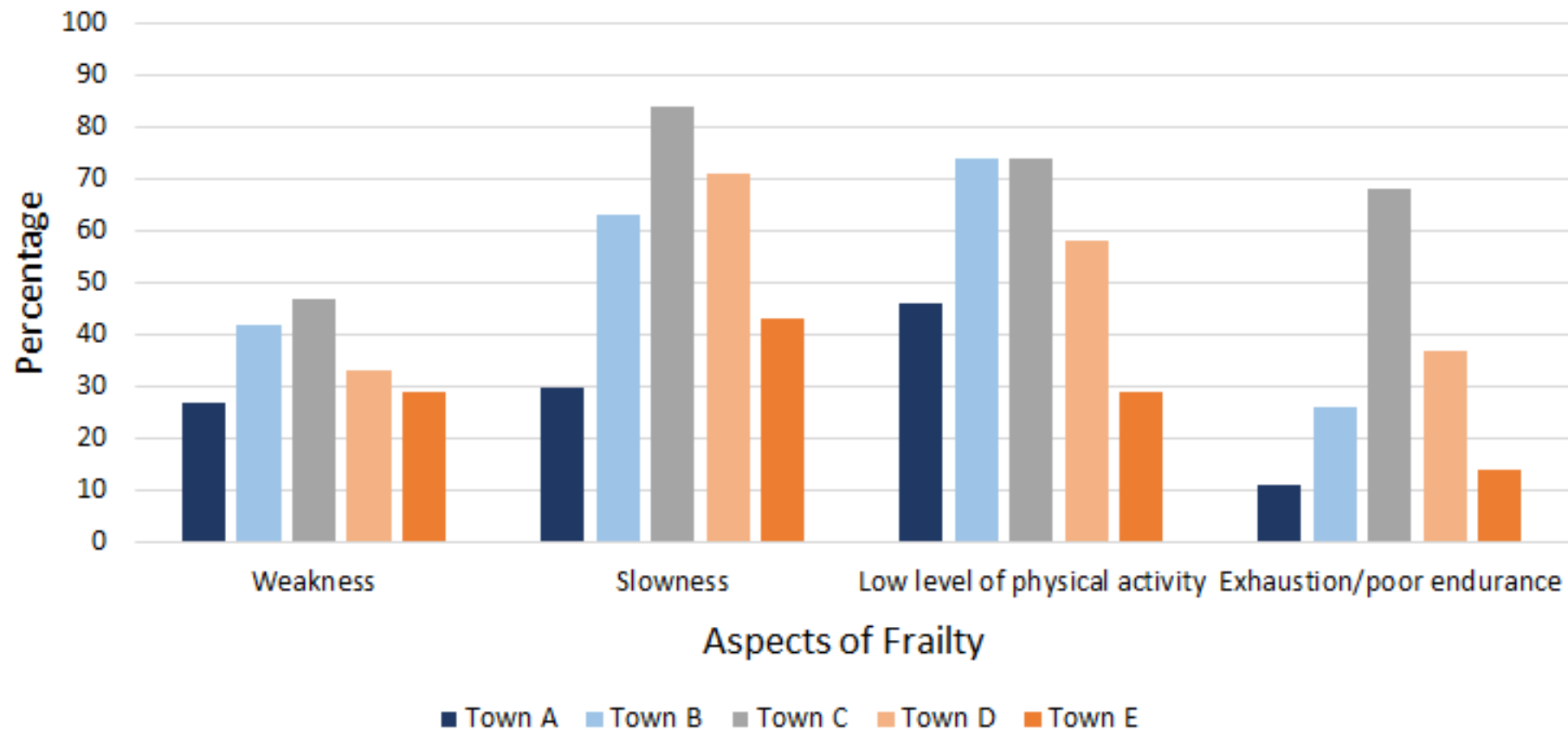
Reasons for Falling



Safety Issues



Frailty

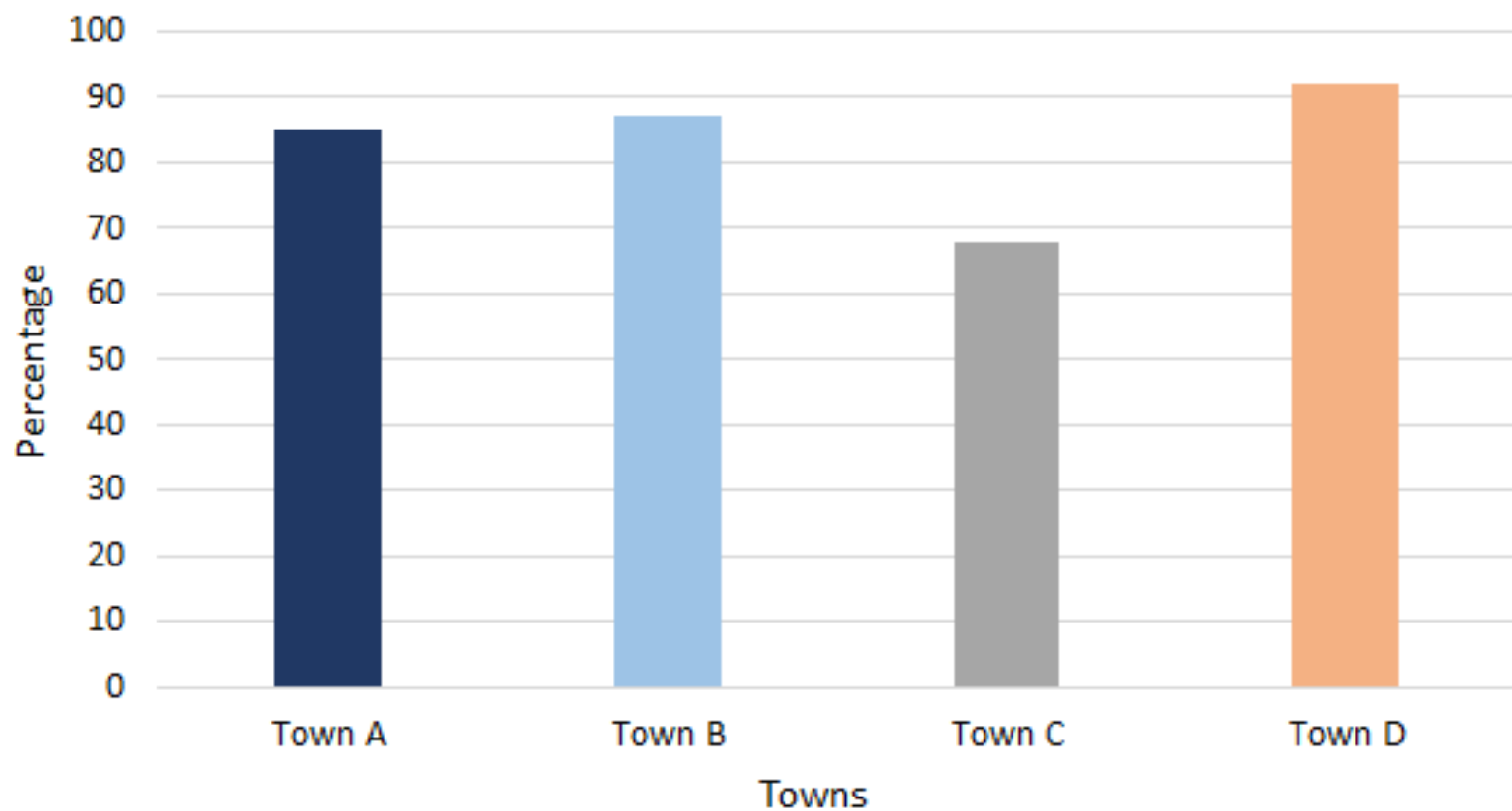


Nursing Interventions and Client Outcomes

Top Five Health Interventions

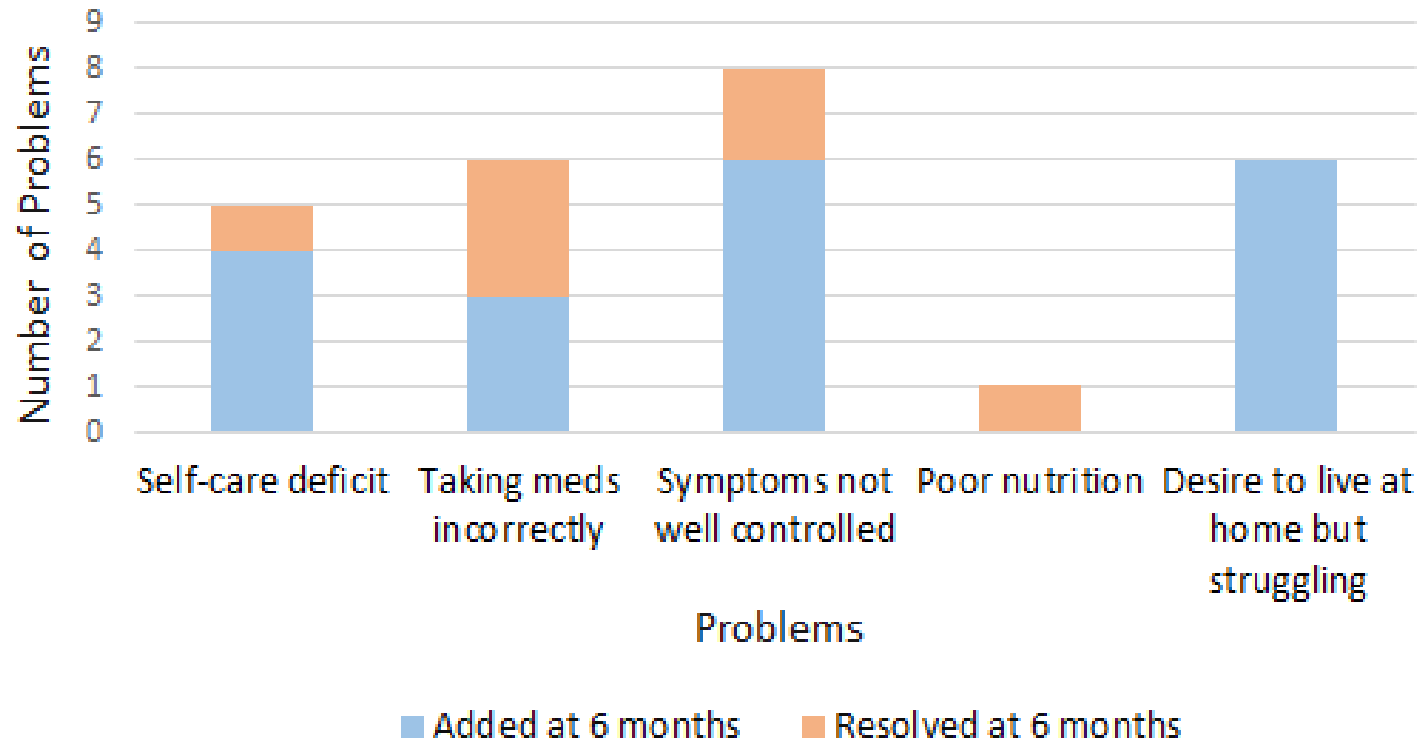
	Town A	Town B	Town C	Town D
#1	Medication education/management	<i>Symptom management</i>	Reassure client in case of emergency	Care clarification w. providers
#2	<i>Symptom management</i>	Family meeting &/or support	Medication education/management	Contact PCP
#3	Obtain durable medical equipment	Medication education/management	<i>Symptom management</i>	Family meeting &/or support
#4	Educate regarding mobility	Reassure client in case of emergency	Assist in getting help with household tasks	Address falls & safety issues
#5	Address falls & safety issues	Personal care education	Arrange socialization opportunities	<i>Symptom management</i>

Living Will/DPOAH Document



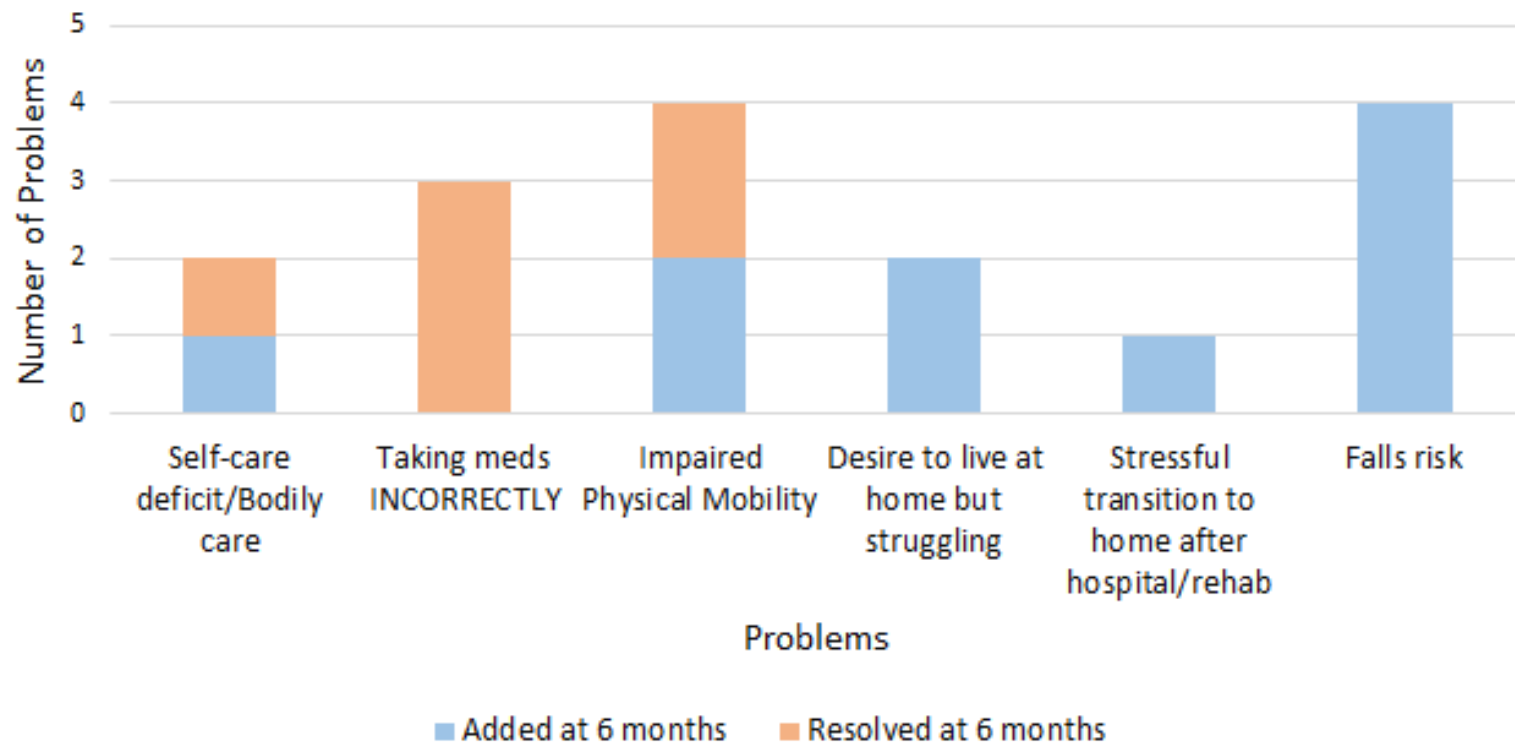
Town B

6 Months Summary Problem List



Town C

6 Months Summary Problem List



Discharge

Reasons for Discharge	Town A (31)	Town B (1)	Town C (3)	Town D (1)
Services no longer needed	74%	0%	0%	100%
Moved away	10%	100%	50%	0%
Deceased	19%	0%	50%	0%
Services not wanted	0%	0%	0%	0%

Summary

- The UVCNP serves the frail older adult population of the Upper Valley
 - Above the age of 75
 - Living alone
 - Multiple comorbidities and safety risks
- Community nurses implement numerous health interventions
 - Goal of resolving or managing client problems
 - Client problems have been improved or resolved
- Analysis of REDCap aggregate data demonstrates the effectiveness of the community nurse

References

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Acknowledgements

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Questions?