

Canadian Centre *for* Aging & Brain Health Innovation



Solving the Innovation Challenge for Long-Term Care

OLTCA Members Meeting

November 23, 2016

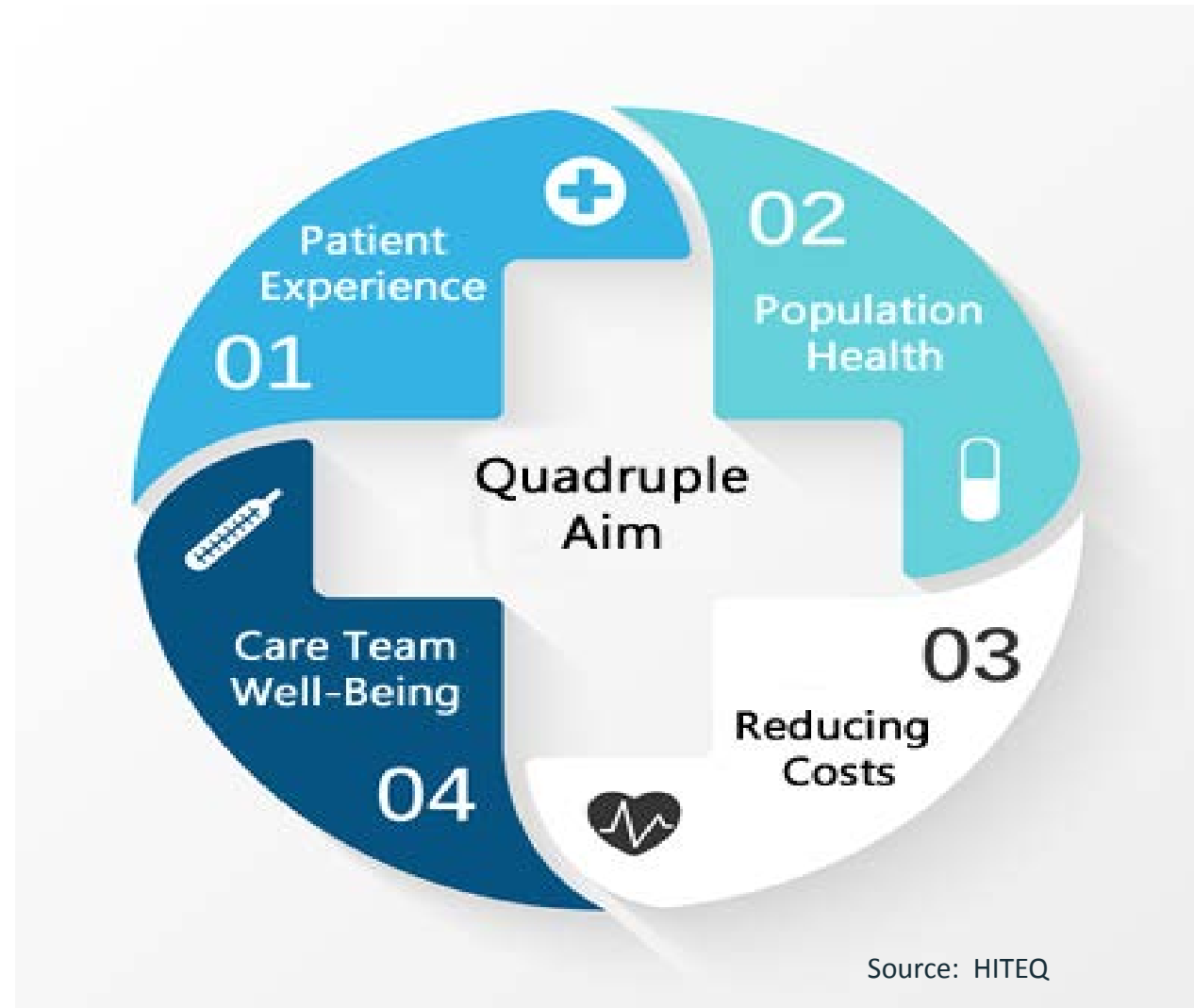
WHY ARE WE HERE TODAY

- **Strategic Alliance Partnership**
 - OLTCA represents the largest long-term care market place in Canada
 - Priority for CC-ABHI to build strong partnership with the sector
 - Understand and respond to needs of the sector
- **What can you expect**
 - Strengthened engagement
 - Opportunities to participate
 - New and unique collaborations

PRESENTATION OVERVIEW

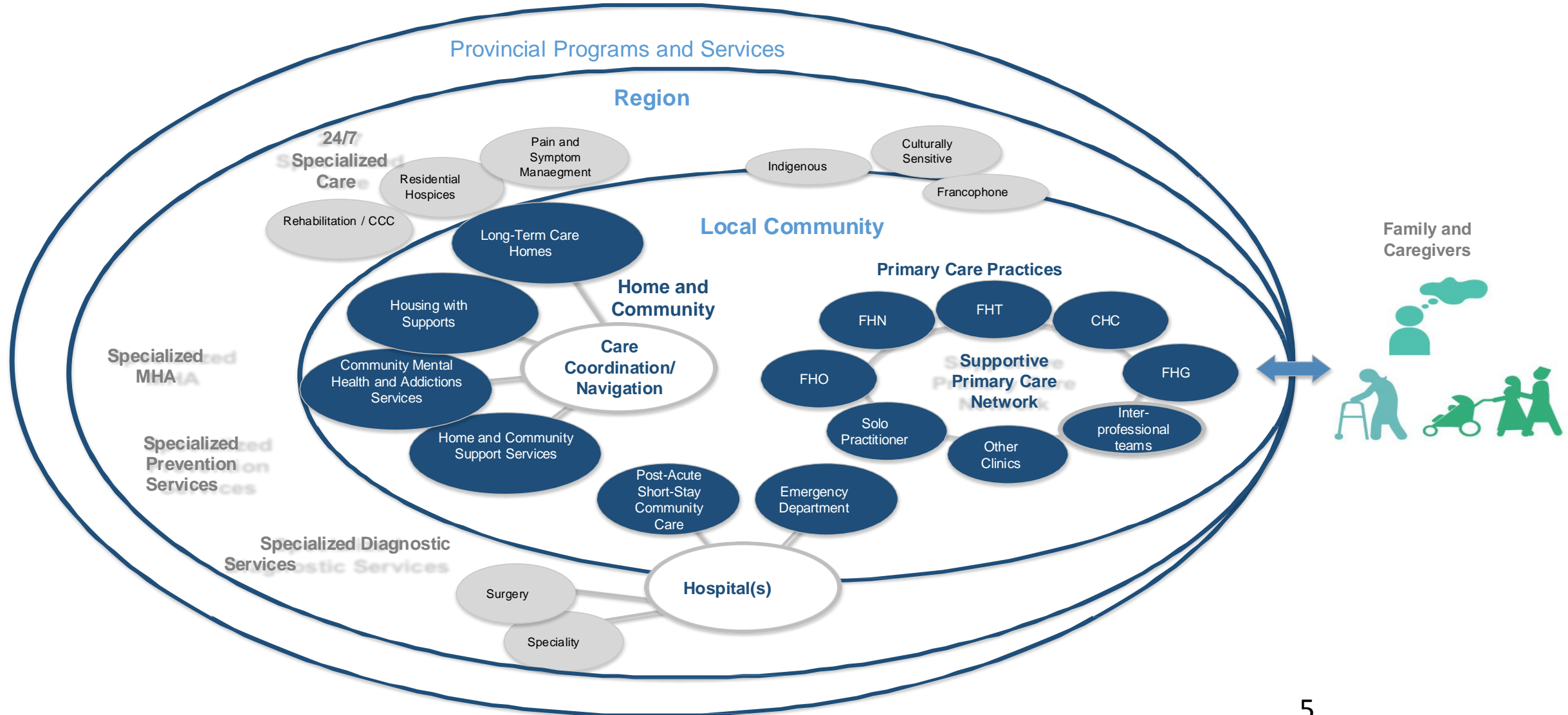
1. **The Innovation Challenge**
2. **The Canadian Centre for Aging and Brain Health Innovation (CC-ABHI)**
3. **Role for Long-Term Care Sector**

PRIORITY OUTCOMES



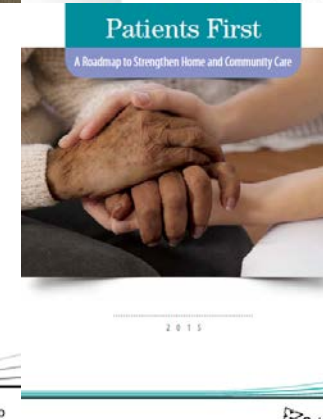
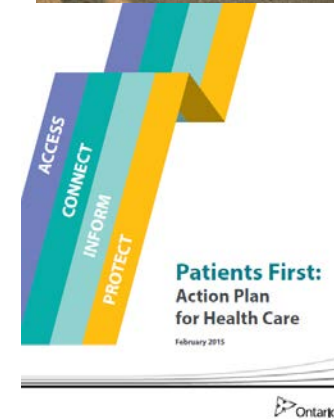
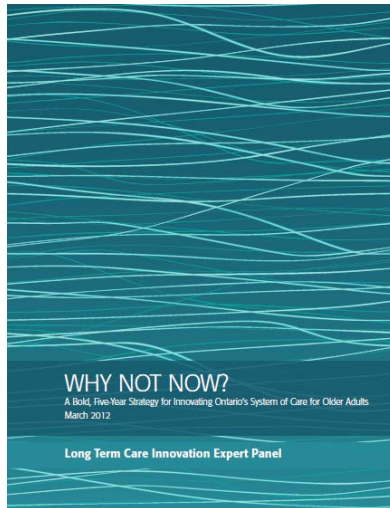
ALSO A REALITY...

MULTIPLE SYSTEMS OF CARE ARE REQUIRED TO MEET THE DIVERSE NEEDS OF RESIDENTS

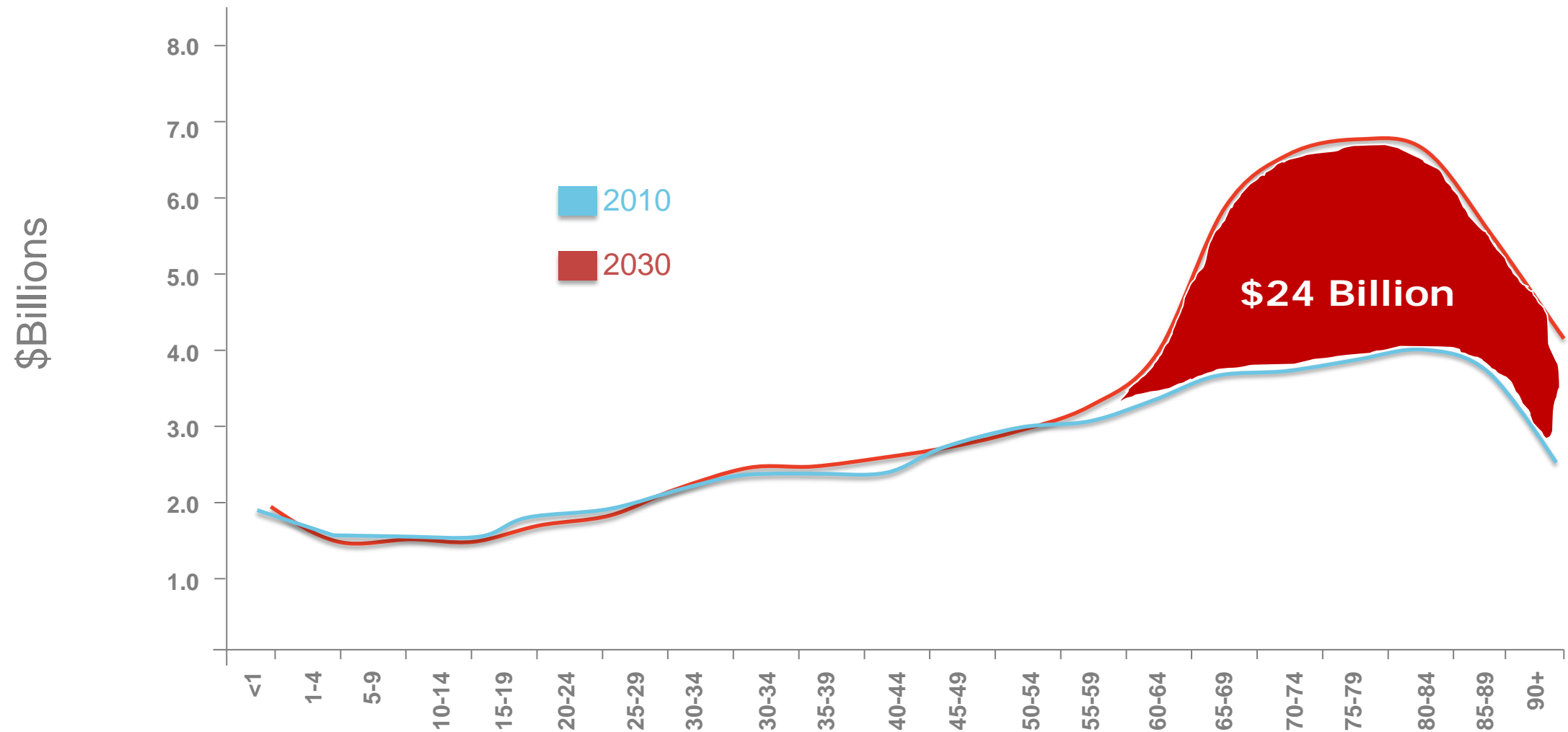


NO SHORTAGE OF GUIDING DOCUMENTS

- ❖ Resident-centred care
- ❖ Value for money
- ❖ Modernized delivery



THE VALUE FOR MONEY CHALLENGE





1% OF ONTARIO'S POPULATION
Most of these are seniors
USES 34% OF PROVINCIAL
HEALTHCARE DOLLARS



DEMENTIA IS THE LEADING CAUSE
OF DISABILITY AMONG SENIORS.

WHY IS THIS IMPORTANT FOR YOU

- Seniors in Ontario's LTC Homes are older and more frail than any other cohort in the province's history
- Last year, the Ontario Long-Term Care sector, consisting of 78 519 beds, supported 114 082 seniors (20 000 on wait list for placement)
- Estimated that over the next 10 years, there will be 50% more seniors over the age of 75
- Key Issues
 - Outdated infrastructure
 - Access to services
 - Dementia
 - Capacity for innovation

Source: OLTC Building Better Long-Term Care

INNOVATION DEFINED

"the process through which economic and social value is extracted from knowledge through the **generation, development, and implementation of ideas** to produce new or improved strategies, capabilities, products, services, or processes."

-Conference Board of Canada

"activities that generate value in terms of quality and safety of care, administrative efficiency, the patient experience, and patient outcomes."

-Advisory Panel on Healthcare Innovation

THE INNOVATORS STORY

Consider an inventor turned entrepreneur who has just developed a new healthcare product.

Convinced that once adopted, the system will be grateful for the lives and money her product will save

But...she has no idea how to get it into the hands of the end-user. No map to point her in the right direction.

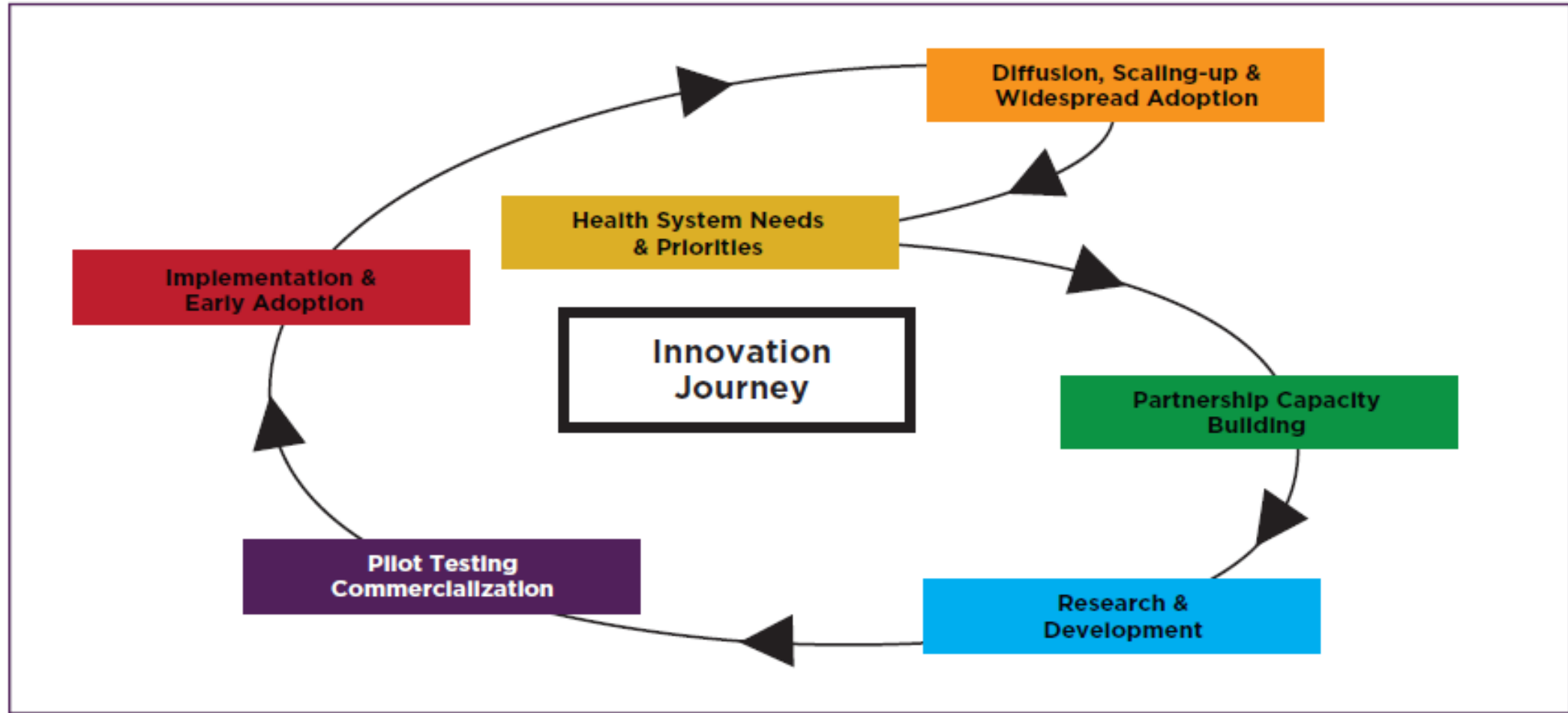
Instead she faces...

- tangle of decision-makers and conflicting criteria to get her product approved for safety, evaluated for cost-effectiveness, assessed for potential purchase and re-assessed for reimbursement.
- None of those processes are connected or aligned.

In the absence of an integrated pathway to procurement and adoption, she must go hospital to hospital or even physician to physician to pitch her product.

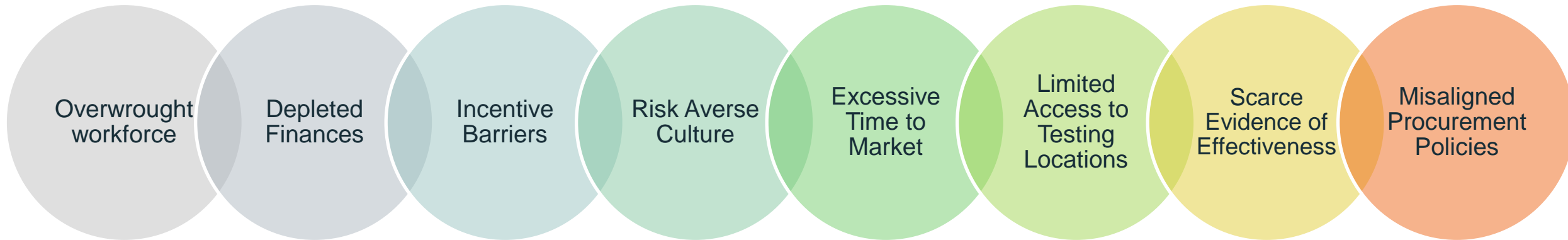
Success linked more to who she knows than the value of the product.

Figure 9.2: Innovation Adoption Journey



Adapted from Ivey International Centre for Health Innovation. Advisory Panel on Healthcare Innovation Commissioned Research: An Overview of Canada's Health Innovation Architecture. London; c.2015.

SOME OF OUR INNOVATION CHALLENGES



Canadian Centre *for* Aging & Brain Health Innovation



CC-ABHI is a **solution accelerator** established to **drive improvements in health outcomes** and **yield economic benefits** by **fostering collaborations** between individuals, industry and healthcare providers so as to **redefine the future of aging.**

WHAT WE DO

- **Identify** and **advance** innovations in brain health and aging
- **Connect** commercial innovators to brain health and aging experts and seniors
- **Foster** a culture of innovation and knowledge transfer in the seniors care sector



SEEKING SOLUTIONS FOR...

- **Emergency department visits:** Solutions that help reduce or avoid unnecessary emergency department visits for older adults living with dementia
- **Falls prevention:** Solutions that help prevent falls, or mitigate injury due to falls, in older adults with dementia
- **Aging at home:** Solutions that facilitate better management of complex chronic conditions for older adults with dementia living at home
- **Cognitive fitness:** Solutions that help improve brain health or cognitive fitness in older adults

GAP #1: INNOVATION AT THE POINT OF CARE

- § Front-line seniors care staff include RNs, Personal Support Workers, Occupational Therapists, Social Workers, Case Managers, etc.
- § Little opportunity to innovate – told to follow “Best Practices”
- § CC-ABHI SPARK program provides up to \$50K to enable them to experiment and invent new ways to deliver care, provide better access or save money

GAP #2: LACK OF EVIDENCE OF PRODUCT EFFECTIVENESS

- § Exciting streams of innovations are pouring out of the private sector targeted at aging and brain health consumers and professionals.
- § Very few have objective scientific evidence to show that they significantly impact a real problem in the sector
- § CC-ABHI I²P² program supports trial-sites to evaluate products and services and provide feedback as to their efficacy.

GAP #3: GETTING NEW SCIENCE TO THE BEDSIDE

- § Researchers are developing promising new innovations in labs around the world
- § It may take years for their solutions to reach clinicians at the bedside who could use these innovations if proven safe and effective
- § CC-ABHI CSPP program supports partnership between academic researchers and practicing clinicians to accelerate solutions to the bedside



GAP #4: MOBILIZING KNOWLEDGE

- § Years of research and clinical practice have generate a large body of knowledge detailing the best methods of care
- § However, people change slowly. It is difficult to get new practices to be adopted and used
- § CC-ABHI's KM program uses advanced educational approaches to engage learners in the subject matter to better support the adoption of knowledge and its translation to practice

CC-ABHI SAMPLE LAUNCH PROJECTS

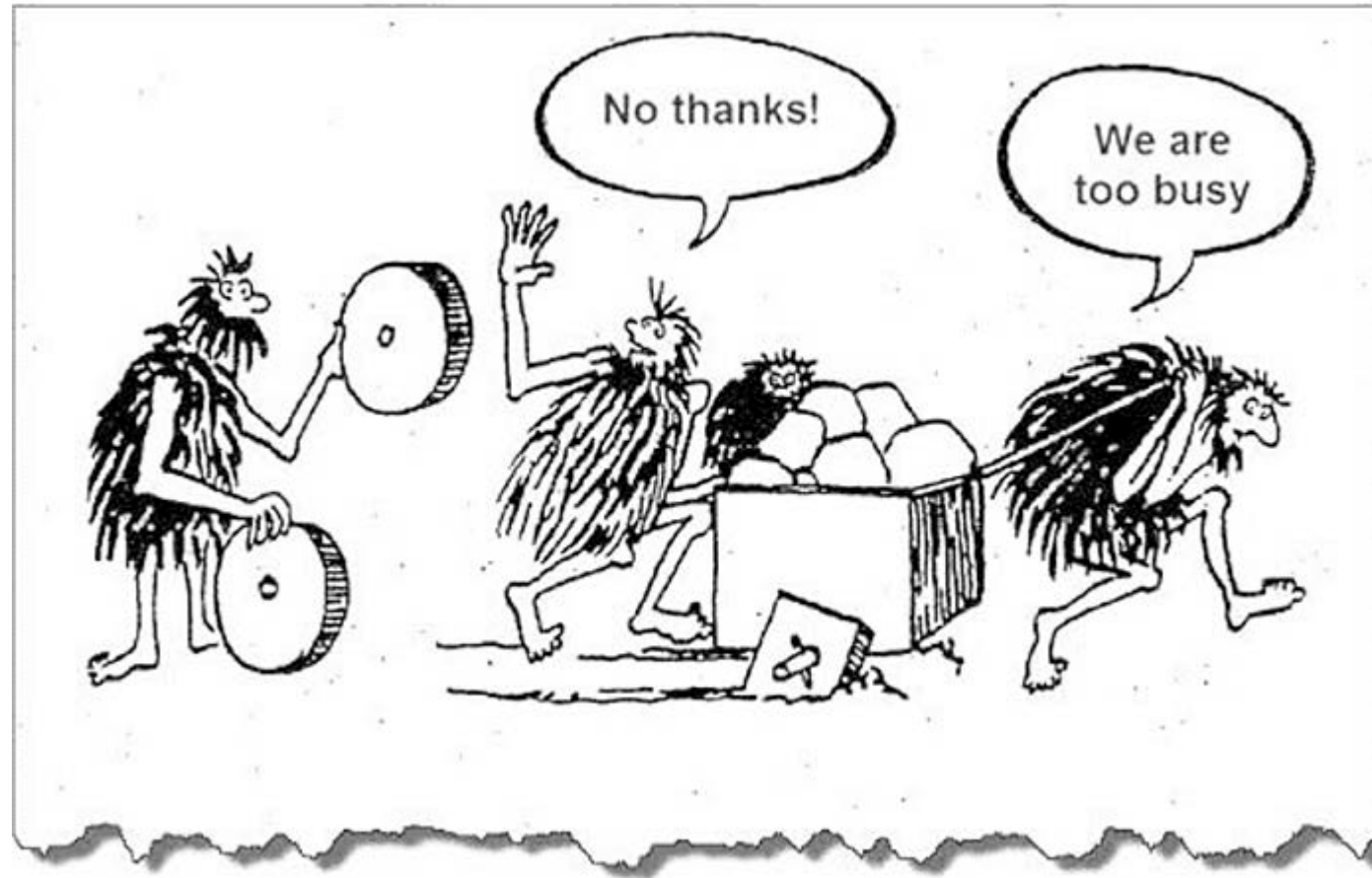
1. **Telemedicine in LTC:** Prevent unnecessary transfers to the emergency department through just-in-time telemedicine consultations with a remote physician
2. **Senior's Friendly Tablet:** Reduce isolation and loneliness by developing, testing and evaluating a novel product platform of a large computer manufacturer
3. **On-Line Cognitive Assessment:** Reduce stress and unnecessary primary care visits by seniors concerned about declines in memory



SUMMARY

- Seniors, caregivers and providers are open to use innovations in their care, but they have to be properly designed and supported
- Now is the time to bring partners together in different ways around the common goal of modernized delivery of care and support for seniors
- We can't do this without the full commitment and participation from the Long-Term Care Sector

LET'S SHIFT THE PATTERN



HERE'S HOW

1. Tell us how we can help

- Areas where new solutions are necessary
- Tools to build capacity

2. Be an innovation test site

- Start early
- We will work with you to assess and build readiness

3. Be an active part of the solution

- Contact us



Thank you

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