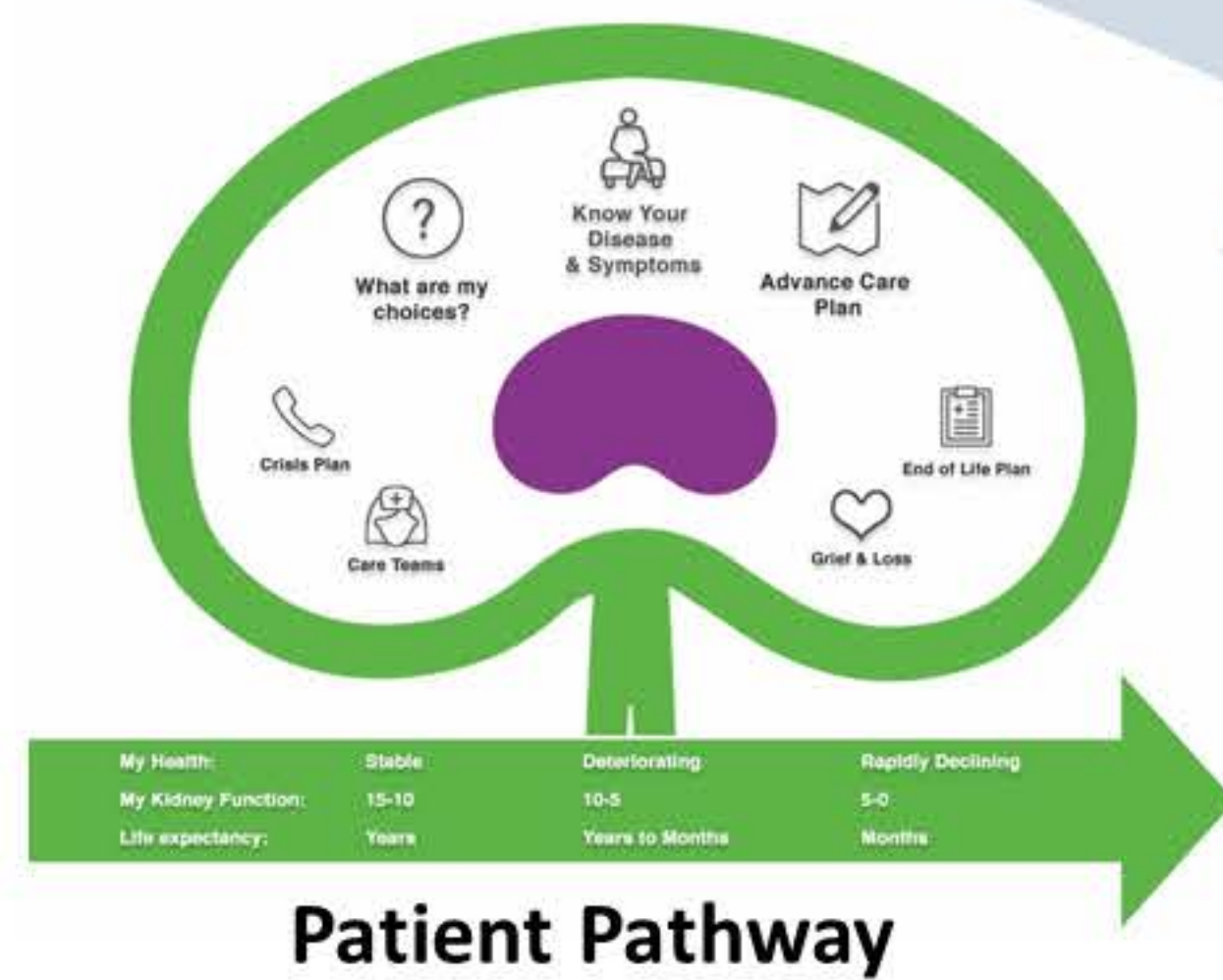


# Provincial Conservative Kidney Management (CKM) Pathway

**Background:** Patients over 75 years are the most rapidly growing group starting dialysis. Frail elderly patients managed conservatively (without dialysis) may live as long as patients who elect to start dialysis, with better preservation of physical/cognitive function and quality of life, no burden associated with the dialysis procedure, fewer admissions to acute care settings, and can remain in their home community.



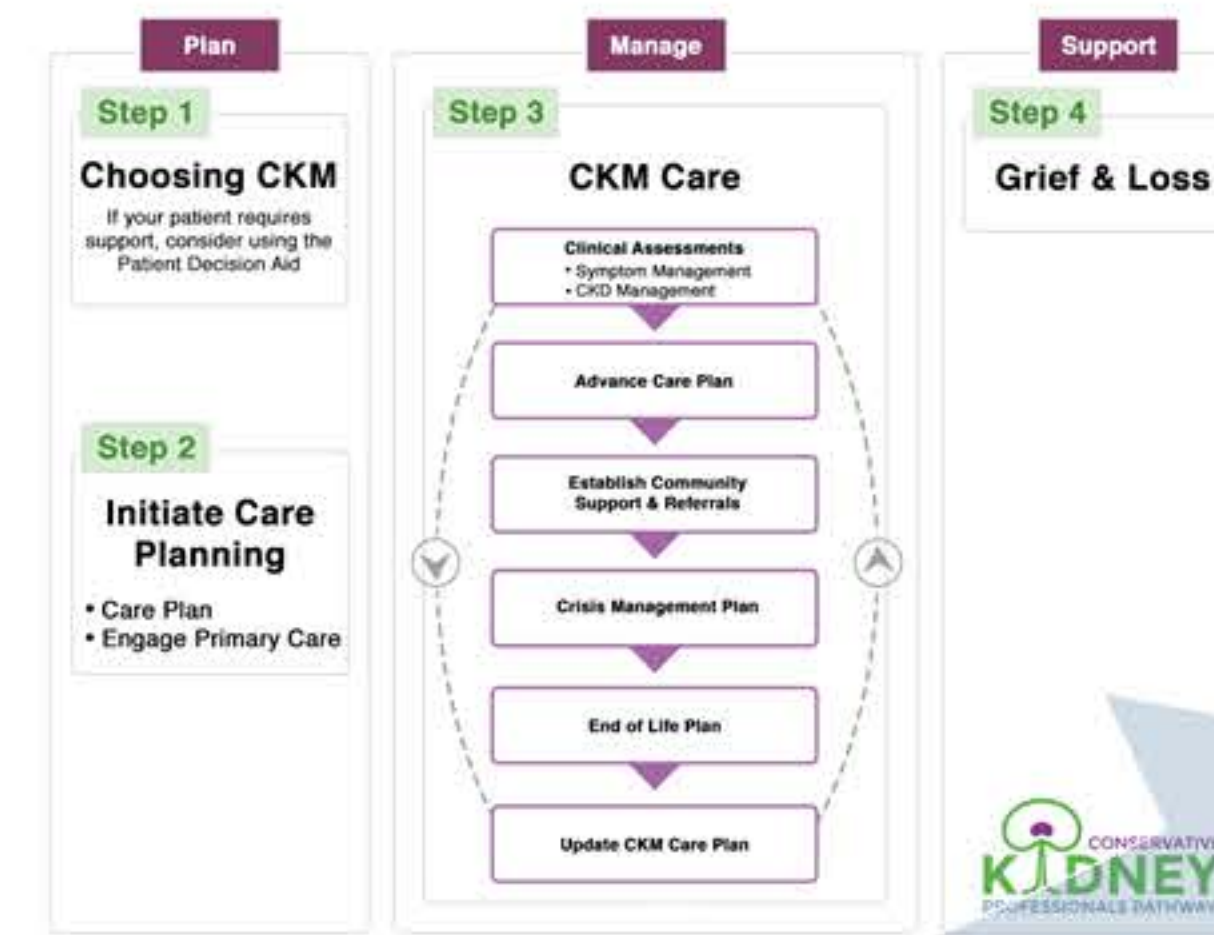
**Planning**  
May 2015



**Patient Pathway**



**Clinical Innovation**



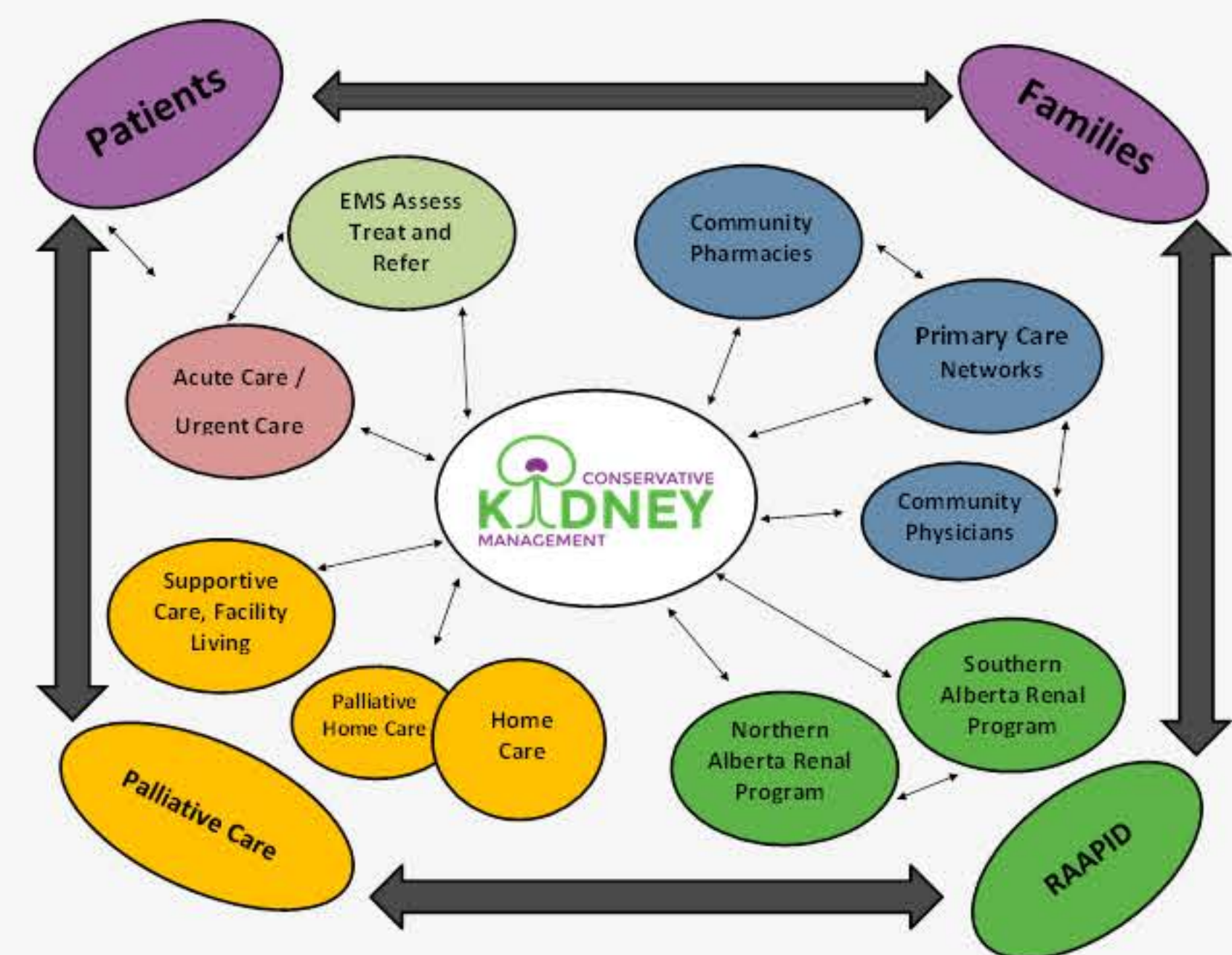
**Healthcare Provider Pathway**



**Implementation**  
Sept 2016



## Broad Engagement of Community Partners



## Liberating Structures

We used Liberating Structures to spark inventiveness and “thinking-outside-the-box” by minimally structuring the way we interact while liberating content.

## World Cafes

Stake holders, including patients and families, from across Alberta came together to identify current challenges, enablers, and opportunities to providing excellent care for patients who choose conservative kidney care.

*“I learned about the gaps in service that I was previously unaware of. I feel that areas for improvement were identified which is the first step to making changes.”*



These above inputs have supported the **development, implementation, and evaluation** of Alberta’s CKM pathway



*“Excellent to know there was such a variety of participants - especially 'different' health care workers. EVERYONE shared a common goal of improving the system. Wonderful to behold! Makes one optimistic for the future!”*

## Milestones

- Sept 23, 2015: World Cafes – Edmonton
- Oct 20, 2015: World Cafes - Calgary
- Sept 12, 2016: Learning Collaborative 1
- Feb 10, 2017: Liberating structures for ACP and CKM Patient Decision Aid
- **April 5, 2017:** Launch Patient Decision Aid
- **April 6, 2017:** Learning Collaborative 2
- **Sept 21, 2017:** Learning Collaborative 3
- **Feb 27, 2018:** National CKM Conference

## Conservative Kidney Management CKM Pathway

The **Kidney Supportive Care Research Group**, in partnership with the **Kidney Health SCN**, developed the provincial CKM pathway. CKM is the management of kidney failure with a focus on quality of life, symptom management and living well without dialysis. This pathway is the first of it’s kind internationally.

## Interactive Web Based Tool



The “mobile first” web-based tool empowers families / patients and clinicians to help guide individualized care plans

## Education Tools

- Patient handouts
- Symptom and chronic kidney disease guidelines
- Online learning modules

## Interactive Patient Decision Aid

The first of it’s kind to include patient-specific risks/benefits of dialysis v. CKM. It is positioned to weigh quality of life v. survival advantage. It is designed to facilitate people’s ability to make reasoned decisions about care which are compatible with their prognosis, goals and values.

### Prognosis:

1. Age
2. Living in a nursing home or LTC
3. Dementia or cognitive impairment
4. Current health
5. Other chronic illnesses

### Values/Preferences

1. Avoid hospitalization
2. Avoid surgery
3. Avoid travel
4. Control of personal time

### Additional Considerations:

- Spiritual or cultural beliefs, important milestones etc.
- Knowledge about and preference for care options
- Others involved in the decision and readiness/comfort to make a decision

## Challenges

- AHS IT uses old technology and platforms
- Communications support to boost clinician awareness and patient engagement

## Innovation Learning Collaborative

This brings people together to accomplish improvement on a common topic. It involves *Workshops* a few months apart. In between the workshops, participants engage in *Action Periods*, which involve testing best practice ideas in local settings.



*“Timely, appropriate, and beneficial to patients, families, and staff.”*

*“Exciting – Lots of positive energy generated!”*

## Balanced Score Card

Scorecards were created by each team to measure the quality of care and services provided. Teams selected **at least one indicator from each quality dimension**.

- ✓ Appropriateness
- ✓ Effectiveness
- ✓ Acceptability
- ✓ Accessibility
- ✓ Safety
- ✓ Efficiency

Quality Dimension	Proposed Strategy	Benefit	WHO is involved?	Where will it take place?	By When	How will it be measured?
Appropriate: Quality of Care	Example (red free to use): 1. Place a CKM on chart (include CKM) 2. Place a CKM on chart (include CKM) 3. Place a CKM on chart (include CKM) 4. Place a CKM on chart (include CKM) 5. Place a CKM on chart (include CKM) 6. Place a CKM on chart (include CKM) 7. Place a CKM on chart (include CKM) 8. Place a CKM on chart (include CKM) 9. Place a CKM on chart (include CKM) 10. Place a CKM on chart (include CKM)	Patient visits are increased, improved communication between care providers and patients	Physicians, Nurses, Pharmacists, Dietitians, Social Workers, Case Managers, etc.	CKM	3-6 months	Recorded on H&A Care Planning Tool. Check status for status.
Effective: Symptom Burden	1. CKM on chart (include CKM) 2. CKM on chart (include CKM) 3. CKM on chart (include CKM) 4. CKM on chart (include CKM) 5. CKM on chart (include CKM) 6. CKM on chart (include CKM) 7. CKM on chart (include CKM) 8. CKM on chart (include CKM) 9. CKM on chart (include CKM) 10. CKM on chart (include CKM)	Patient's symptoms are reduced, improved communication between care providers and patients	Physicians, Nurses, Pharmacists, Dietitians, Social Workers, Case Managers, etc.	CKM	3-6 months	Recorded on H&A Care Planning Tool. Check status for status.

## Ongoing Evaluation and Quality Improvement

Changes are incremental and are expected to progress to wider and more significant change.

## Future Directions

- Engagement and integration through the Primary Care Networks
- Implementation of the CKM Pathway nationally
- **This provides a framework for the development, implementation and evaluation of care pathways for frail patients with other complex chronic illnesses.**

*Living well with chronic kidney disease without dialysis*