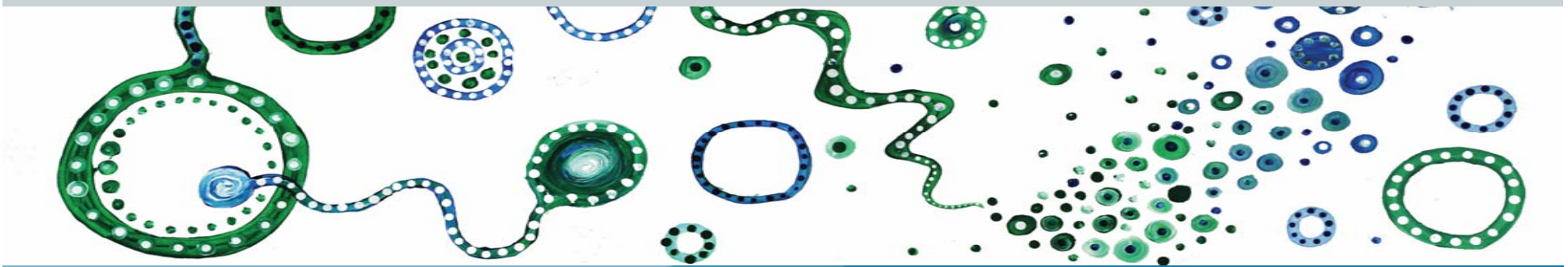


Acknowledgement

The ACI acknowledges the traditional owners of the land that we meet on today. We pay our respects to Elders past and present and extend that respect to other Aboriginal peoples present here today.





Towards building a value based evaluation system in NSW Health

Presented by:

Renee Fortunato: Senior Evaluation Analyst
John Marshall: Information Management and Analysis Officer
Mahendra Sharan: A/Economics Manager

September 5 2017

**Collaboration.
Innovation.
Better Healthcare.**

Overview

- Background to Leading Better Value Care
- Monitoring and evaluation approach
- Measuring value in healthcare
- Lessons learned and ongoing considerations

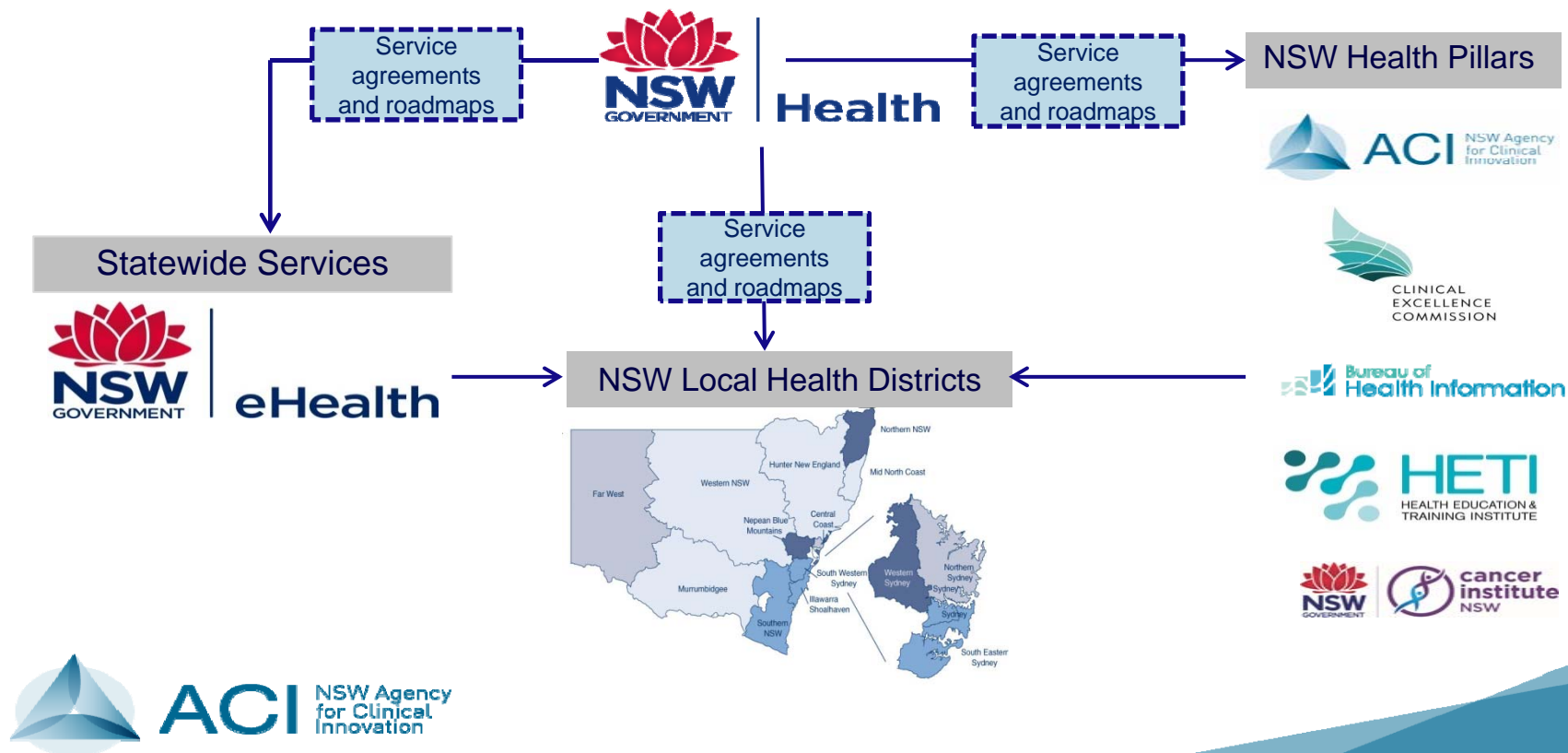




Background to Leading Better Value Care

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The NSW Health System



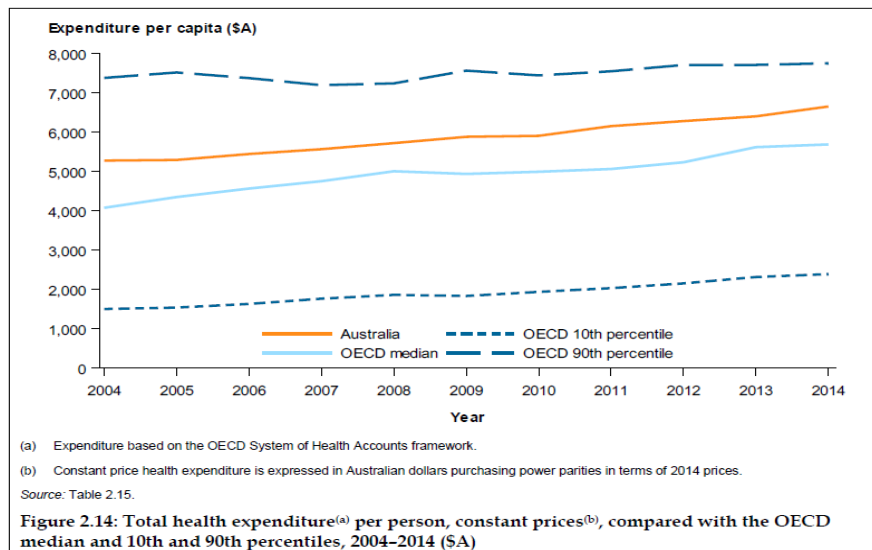
The Leading Better Value Care Strategy

- A strategy initiated by NSW Ministry of Health late 2016
- Aims to identify, implement and develop evidence based programs to deliver better value to people and the government in NSW
- Agency for clinical innovation developed six of the seven programs and responsible for monitoring and evaluation
- Alignment across the system towards the strategy
- Shift to a focus on value, rather than volume
- A strong focus on monitoring and evaluation



Why?

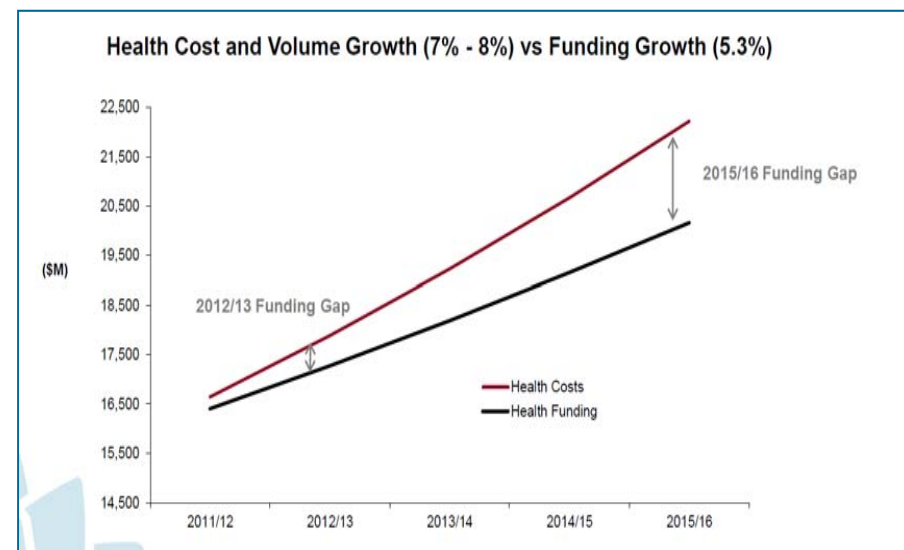
Increasing costs/capita



Source: AIHW: <http://www.aihw.gov.au/publicationdetail/?id=60129557170>



Increasing growth-funding gap



Source: NSW MOH Program Management Office



Why?



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Innovation

AUSTRALIAN COMMISSION
ON SAFETY AND QUALITY IN HEALTH CARE



The Second Australian Atlas of Healthcare Variation

2017



March 2014

GRATTAN
Institute



GRATTAN
Institute

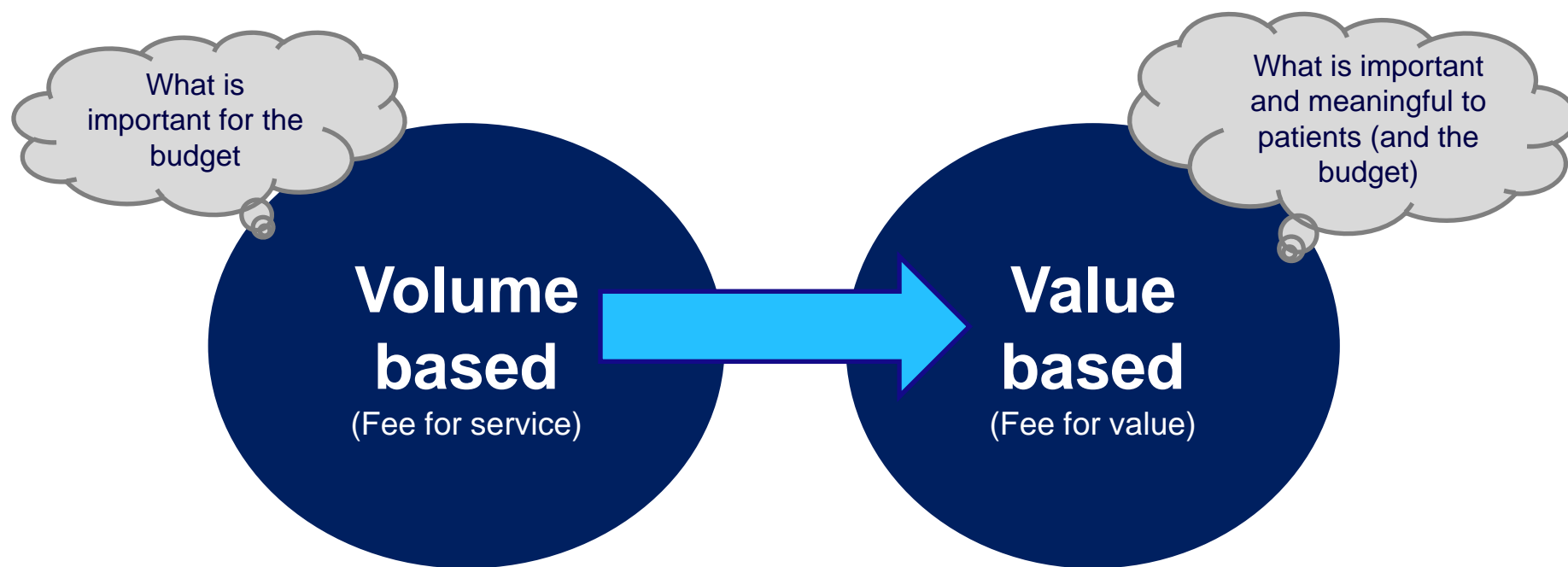
August 2015

Questionable care: Avoiding ineffective treatment

Stephen Duckett and Peter Breadon



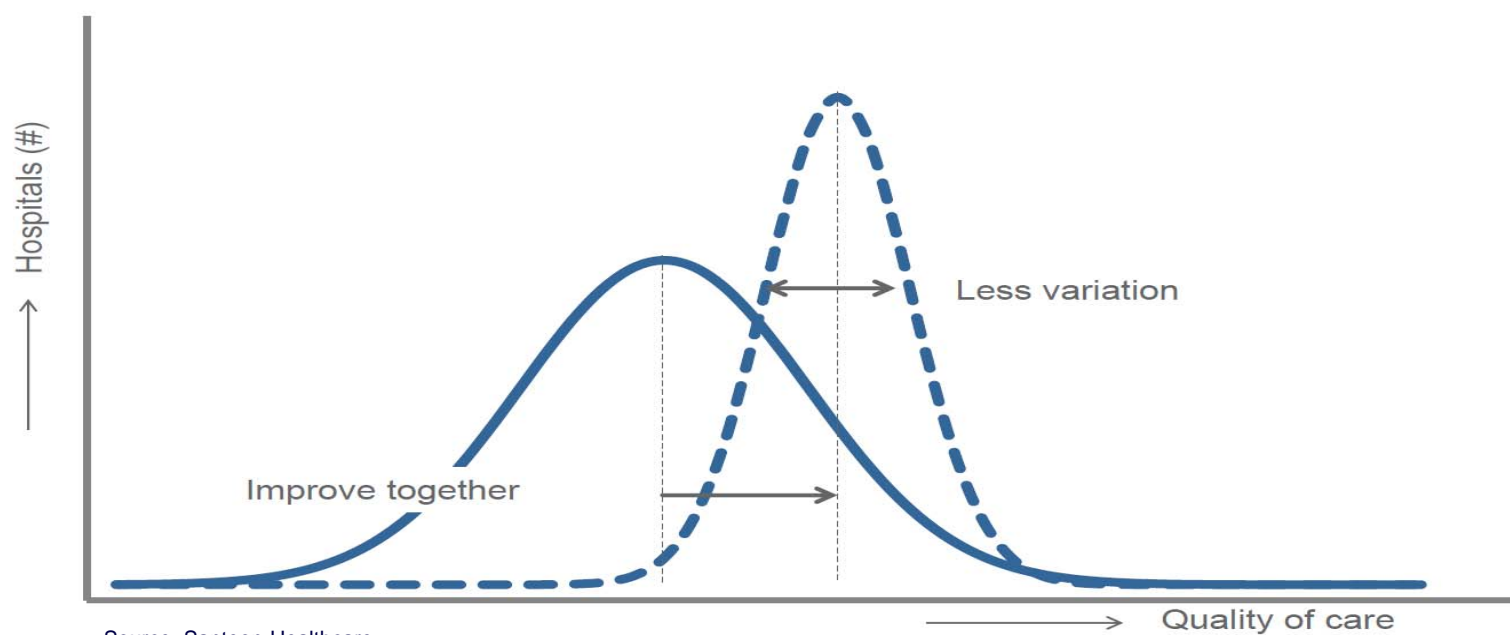
Volume to value



Measuring value against the IHI Triple Aim



Long term system reform



Source: Santeon Healthcare



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Monitoring and evaluation approach

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Leading Better Value Care programs





Monit



REPORT

Inpatient Management Diabetes Mellitus

Monitoring and evaluation plan

Health Economics and Evaluation Team

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REPORT

Diabetes High Risk

Monitoring and evaluation

Health Economics and Evaluation Team

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REPORT

Osteoporotic Re-fracture Prevention

Monitoring and evaluation plan

Health Economics and Evaluation Team

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REPORT

Reducing Unwarranted Clinical Chronic Obstructive Pulmonary and Chronic Heart Failure

Monitoring and evaluation plan

Health Economics and Evaluation Team

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REPORT

Osteoarthritis Chronic Care Program

Monitoring and evaluation plan

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Osteoarthritis Chronic Care Program (OACCP)



MUSCULOSKELETAL NETWORK

Osteoarthritis Chronic Care Program
Model of Care



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Program design and pilot

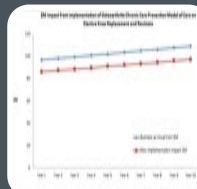
- 2012-2014
- A clinician led bottom up approach
- Via ACI Musculoskeletal network

Osteoarthritis
Chronic Care
Program evaluation

Agency for Clinical
Innovation

Evaluation

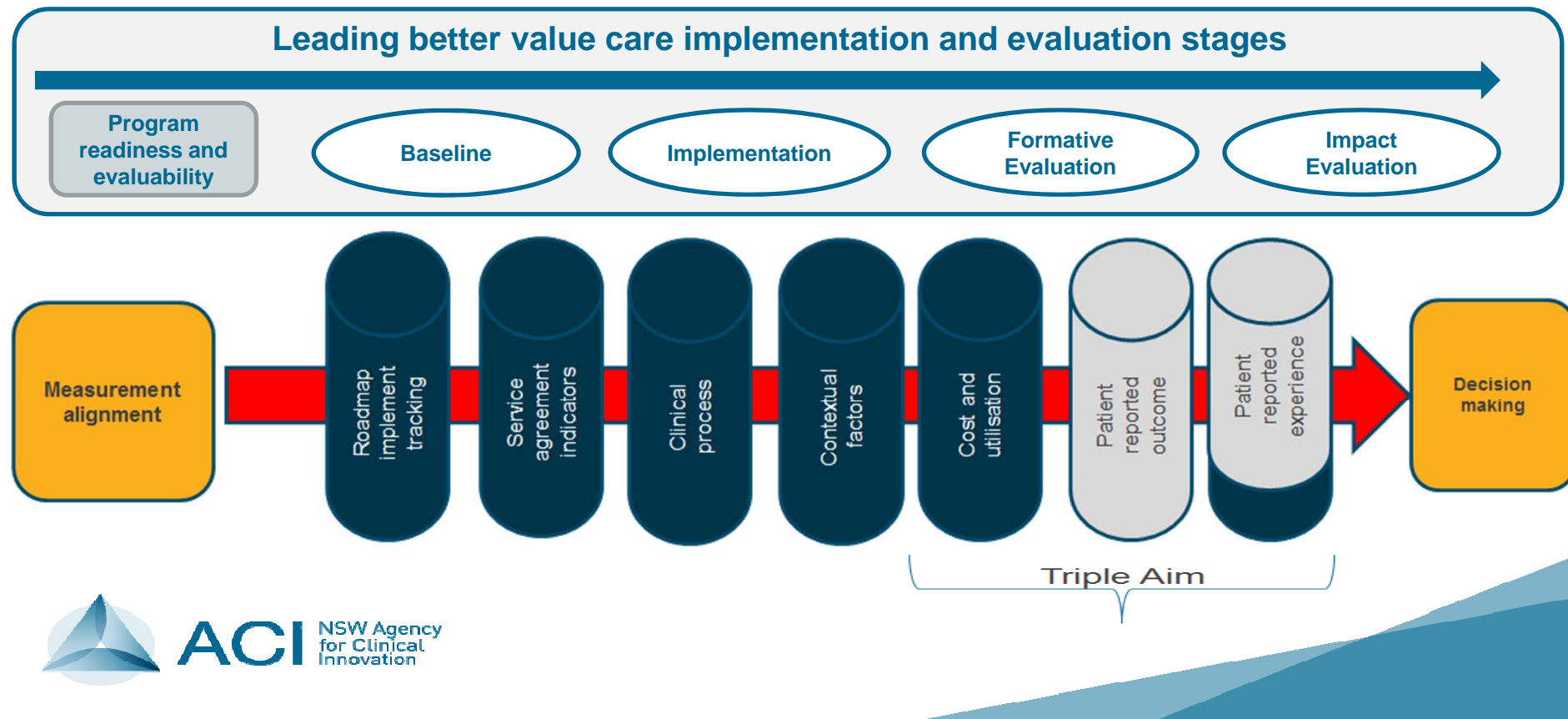
- A collaborative approach
- Theory based



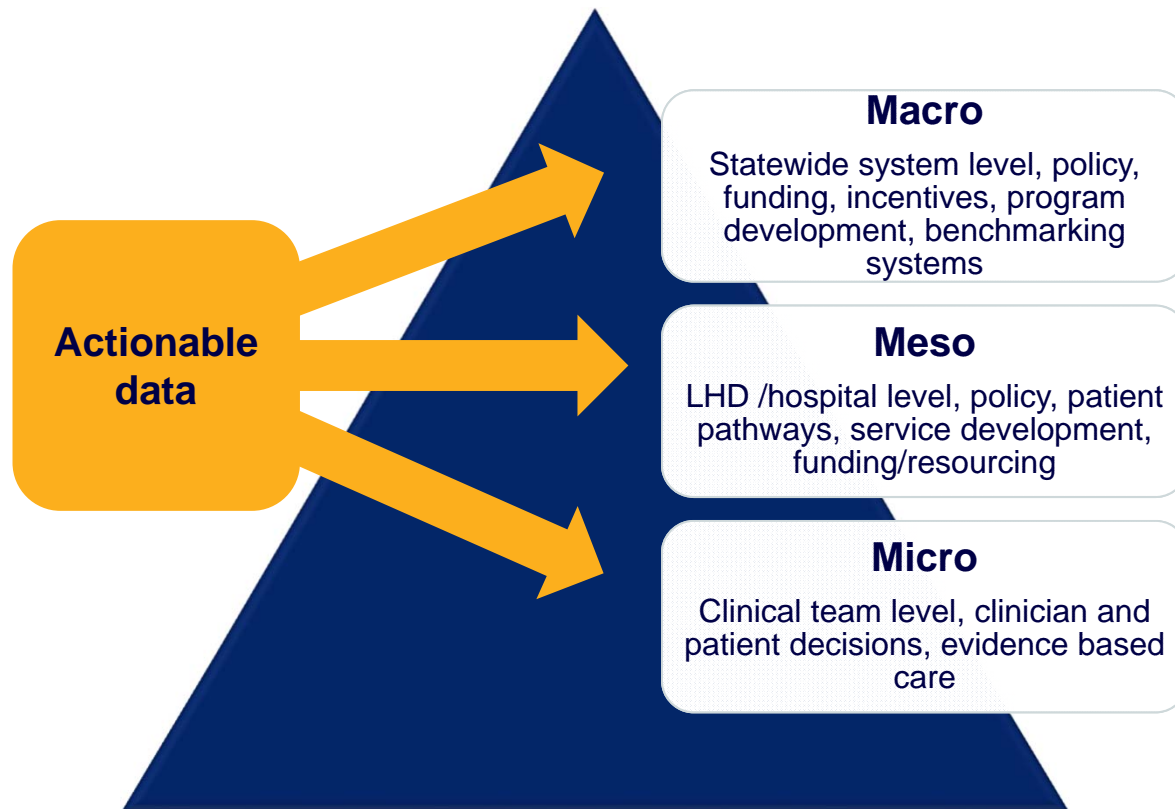
Economic projections

- Compared with business as usual
- Proposal to scale up for LBVC

Measurement alignment and evaluation



Decision making alignment



Service agreement and funding

2017-18 SERVICE AGREEMENT

AN AGREEMENT BETWEEN:

Secretary, NSW Health

AND

Local Health District

FOR THE PERIOD
1 July 2017 – 30 June 2018



Growth Investment	Strategic Priority	\$ '000	NWAU17	Performance Metric
PROVIDING WORLD-CLASS CLINICAL CARE				
BETTER VALUE CARE				
Statewide Initiatives				
Management of Osteoarthritis – OACCP	2.2		39.345	ACI Evaluation
Osteoporotic Refracture Prevention - ORP	2.2		39.345	ACI Evaluation
Diabetes High Risk Foot Services – HRFS	2.2		56	ACI Evaluation
Diabetes Mellitus	2.2		-	ACI Evaluation
Chronic Heart Failure – CHF	2.2		-	ACI Evaluation
Chronic Obstructive Pulmonary Disease – COPD	2.2		-	ACI Evaluation
Renal Supportive Care	2.2 & 3.3		17.667	ACI Evaluation
Adverse Events: Falls in Hospitals	2.1		-	CEC Criteria
Total NWAU			152.357	

Roadmap monitoring

Roadmap- Milestones and Impacts for ACI Osteoarthritis Chronic Care

Roadmap Name	ACI Osteoarthritis Chronic Care Program
Roadmap Owner	
Roadmap Approver	
Roadmap Sponsor	

Milestone	Milestone owner	Milestone date dd/mm/yyyy	How will the Impact(s) be measured?
LHD notifies intention to formally adopt OACCP model of care			
Executive sponsor, Project Manager and clinical lead identified			
Steering Group established with key stakeholders			
Identify sites for implementation			
Develop action plan for implementation			
Development of partnerships with patient pathways			
Establish service type for data reporting			



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Measuring value

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OACCP measurement gaps



ICHOM standard set for Hip & Knee OA

Patient reported outcome measures

Knee Injury and Osteoarthritis Outcome Score(KOOS)

Clinician's name (or ref)

Patient's name (or ref)

Patient's d.o.b

INSTRUCTIONS: This survey asks for your view about your knee. This information will help us keep track of how you feel about your knee and how well you are able to do your usual activities.

Answer every question by ticking the appropriate box. If you are unsure about how to answer a question, please give the best answer you can.

Symptoms - These questions should be answered thinking of your knee symptoms during the **last week**.

S1. Do you have swelling in your knee?	<input type="radio"/> Never	<input type="radio"/> Rarely	<input type="radio"/> Sometimes	<input type="radio"/> Often	<input type="radio"/> Always
S2. Do you feel grinding, hear clicking or any other type of noise when your knee moves?	<input type="radio"/> Never	<input type="radio"/> Rarely	<input type="radio"/> Sometimes	<input type="radio"/> Often	<input type="radio"/> Always
S3. Does your knee catch or hang up when moving?	<input type="radio"/> Never	<input type="radio"/> Rarely	<input type="radio"/> Sometimes	<input type="radio"/> Often	<input type="radio"/> Always
S4. Can you straighten your knee fully?	<input type="radio"/> Always	<input type="radio"/> Often	<input type="radio"/> Sometimes	<input type="radio"/> Rarely	<input type="radio"/> Never
S5. Can you bend your knee fully ?	<input type="radio"/> Always	<input type="radio"/> Often	<input type="radio"/> Sometimes	<input type="radio"/> Rarely	<input type="radio"/> Never

Source: http://www.orthopaedicscore.com/scorepages/knee_injury_osteopaedic_outcome_score.html

Patient reported outcomes- quality of life



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Patient reported outcomes- quality of life

PROMIS-29 Profile v2.0

Please respond to each question or statement by marking one box per row.

<u>Physical Function</u>		Without any difficulty	With a little difficulty	With some difficulty	With much difficulty	Unable to do
PFA11	Are you able to do chores such as vacuuming or yard work?	<input type="checkbox"/> 5	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1
PFA21	Are you able to go up and down stairs at a normal pace?	<input type="checkbox"/> 5	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1
PFA23	Are you able to go for a walk of at least 15 minutes?	<input type="checkbox"/> 5	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1
PFA53	Are you able to run errands and shop?	<input type="checkbox"/> 5	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1
<u>Anxiety</u>						
In the past 7 days...		Never	Rarely	Sometimes	Often	Always
EDANX01	I felt fearful	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
EDANX40	I found it hard to focus on anything other than my anxiety	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5



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Source: <http://www.healthmeasures.net/search-viewmeasures?task=Search.search>

Lessons learned and considerations

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Lessons learned

- It takes significant time for a program to scale up
- Participatory approach effective for health programs
- Many players: governance, communication, collaboration is a challenge
- Different levers at different levels aligned to the strategy
- Repurpose and align existing data to create a shared approach



Ongoing considerations

- Development of feedback mechanisms to support benchmarking and improvements
- Leadership and capability at all system levels
- Outcomes to inform patient decision making
- Value based purchasing
- Across health system measurement

Thank you / Questions?

Renee Fortunato

John Marshall

Mahendra Sharan

Health Economics and Evaluation Team

NSW Agency for Clinical Innovation

Firstname.surname@health.nsw.gov.au

