



“Showing the Value-Added Benefit of Health Profession Student Teams in Patient Care”

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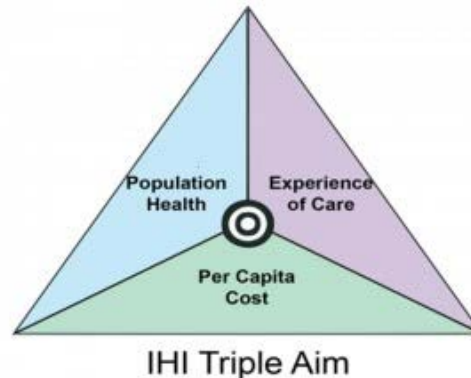
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Learner Outcomes

1. Describe how IPEP programs may be structured to improve the IHI Triple Aim



2. Apply innovative methodological and data collection strategies to IPEP programs





At Your Table

- Briefly highlight the projects
- Summarize student and patient evaluation strategies
- Place strategies on index cards and give to Derrick





“Value-Added”

Several concepts:

- Additional non-core services
- Offer additional benefit and satisfaction to patients and families
- May be standalone or add to an existing service
- Cost measurement alone does not tell the story—use all measures of triple aim

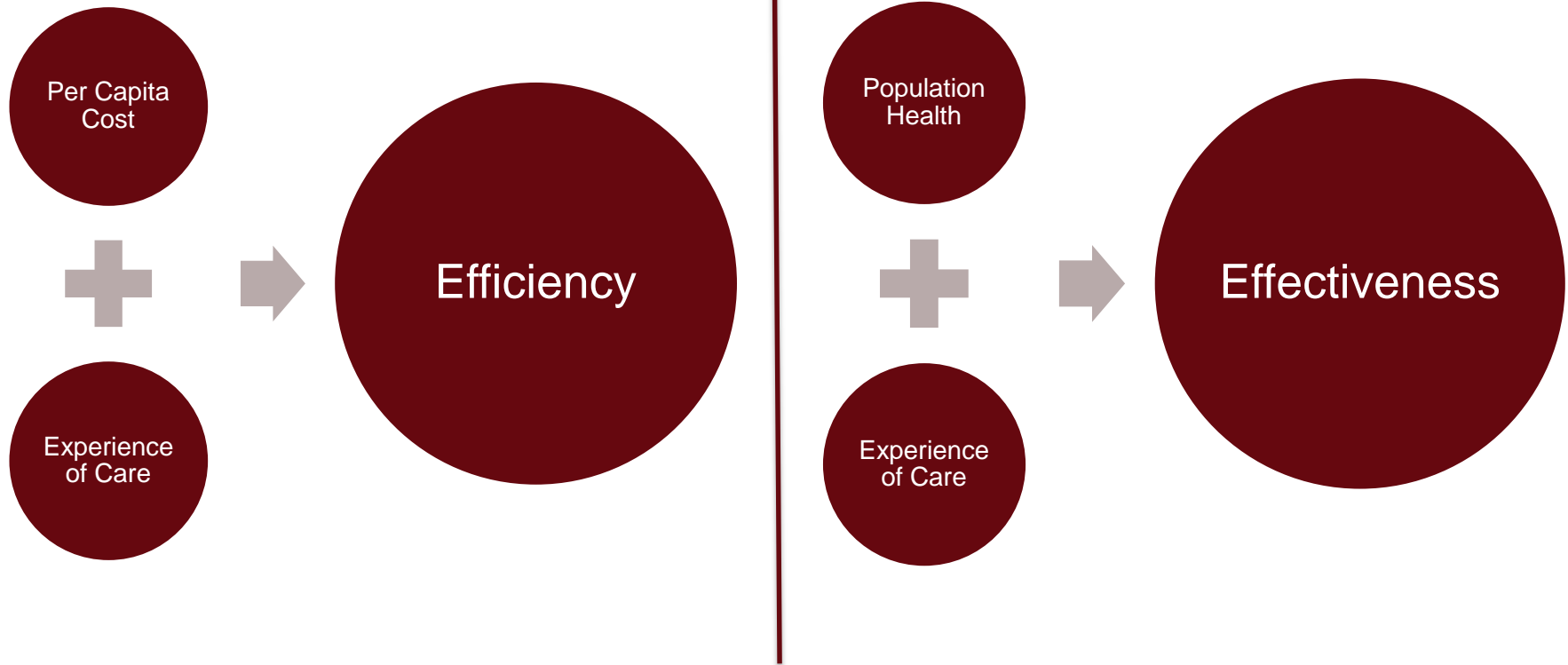


http://medicalbuyer.co.in/index.php?option=com_content&task=view&id=691





Value

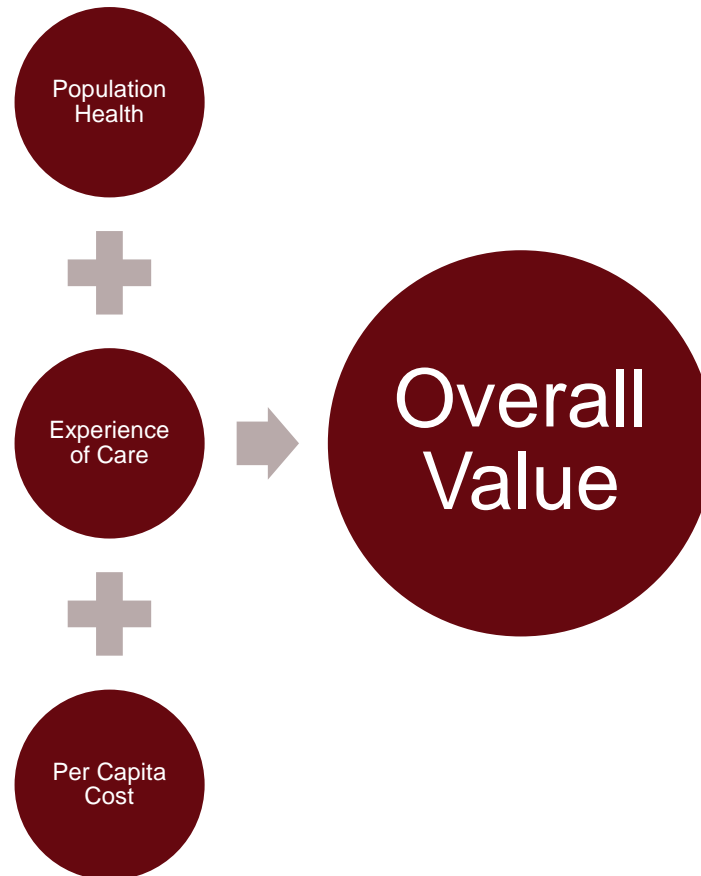


<http://www.jvei.nl/wp-content/uploads/A-Guide-to-Measuring-the-Triple-Aim.pdf>





Overall Value



<http://www.jvei.nl/wp-content/uploads/A-Guide-to-Measuring-the-Triple-Aim.pdf>



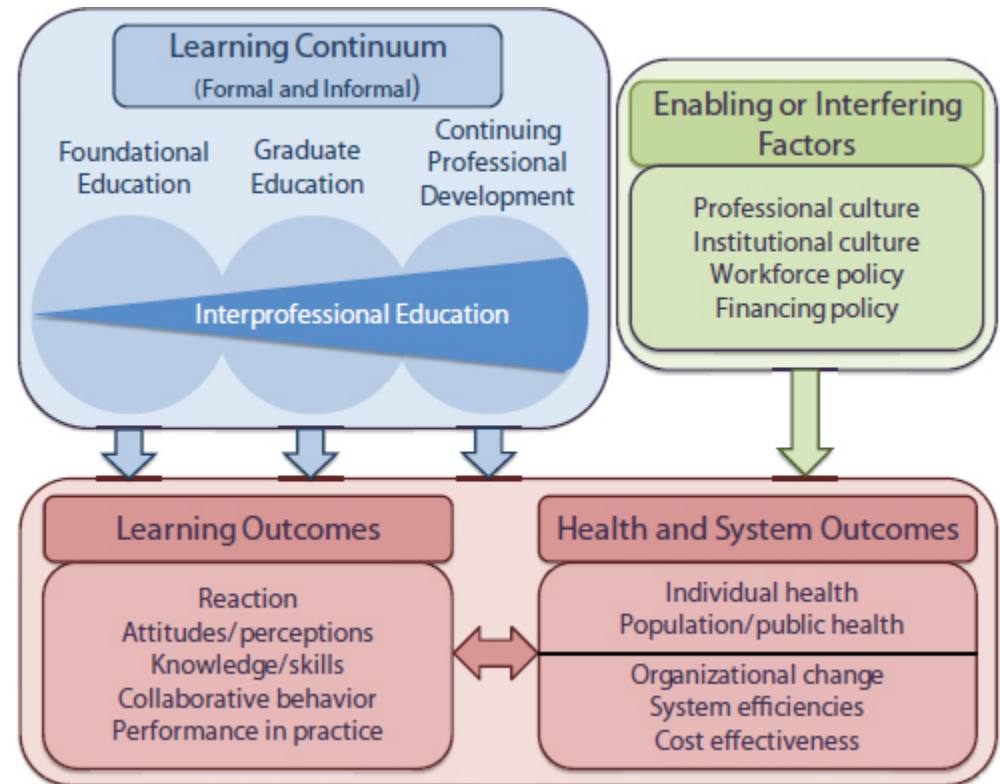
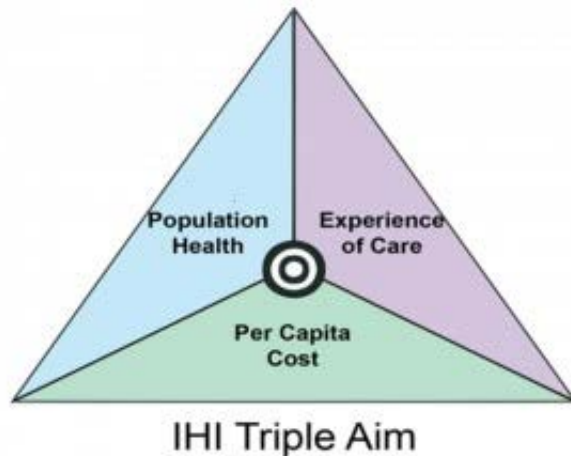


Examples of VAS





Where Are Our Gaps?



<http://www.nap.edu/read/21726/chapter/5#28>





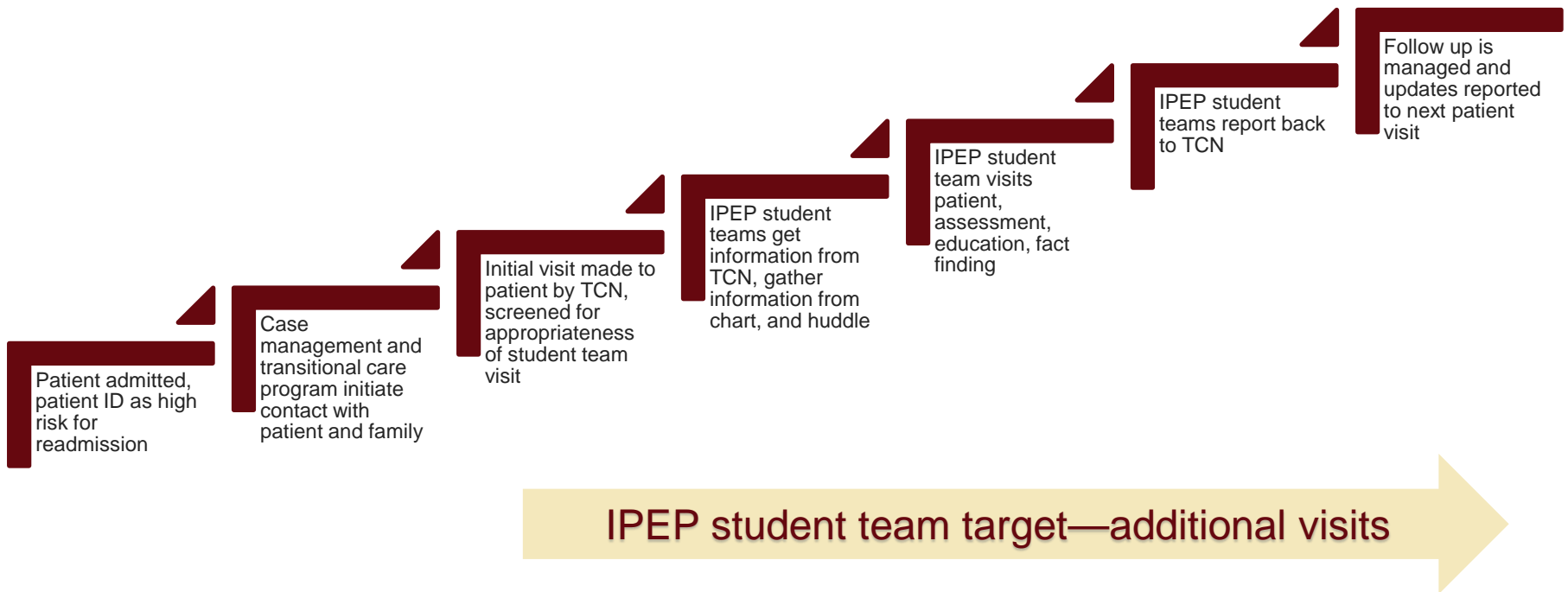
Our Story

Our Value Added and our Value Stream





Targets in the Process

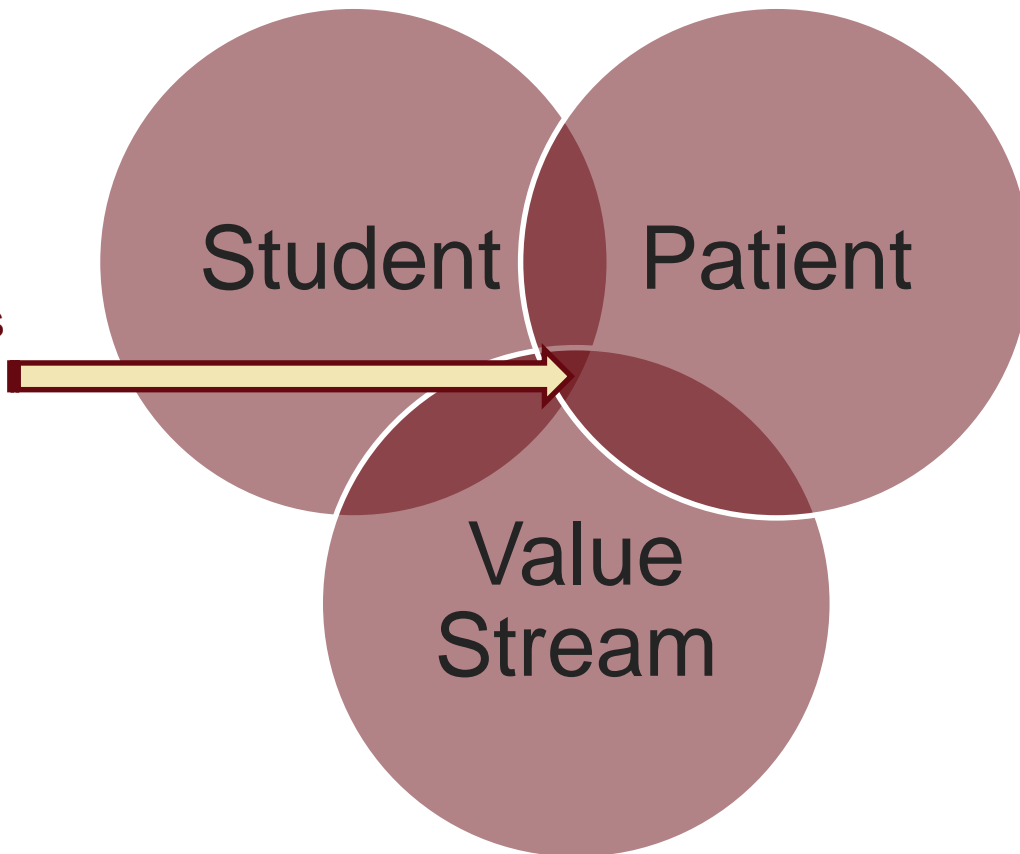




Impacts

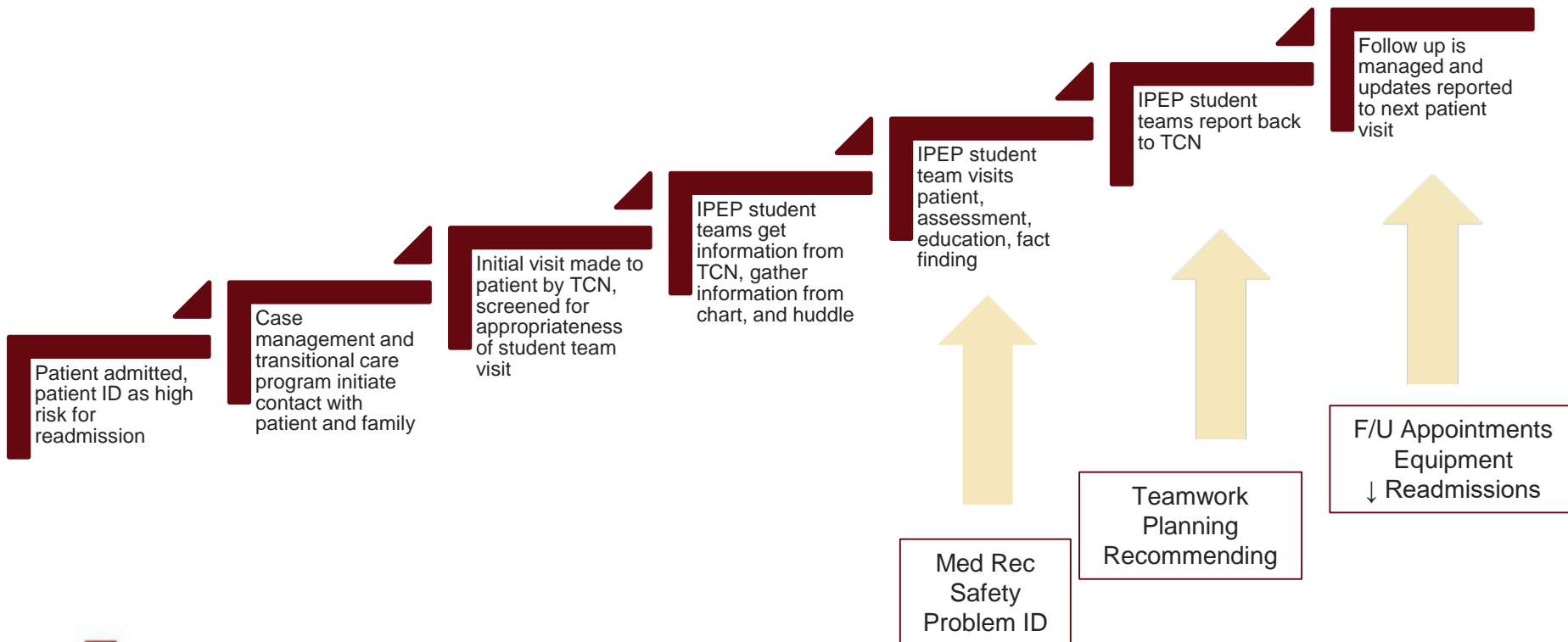
The “Sweet Spot”

- Optimize patient outcomes
- Enhance student learning
- Increase ROI





Possible “Value-Added” Measures





Data Capture

Using IHI Triple Aim

Population Health, Experience of Care, Per Capita Cost

- Emphasis on translatable, universally usable data
 - Measurement should be performed with a peer accepted, easy to understand mechanism
 - Avoid “reinventing the wheel”
 - Ensure the reusability of data for future pooling and analysis





Data Capture

Using IHI Triple Aim

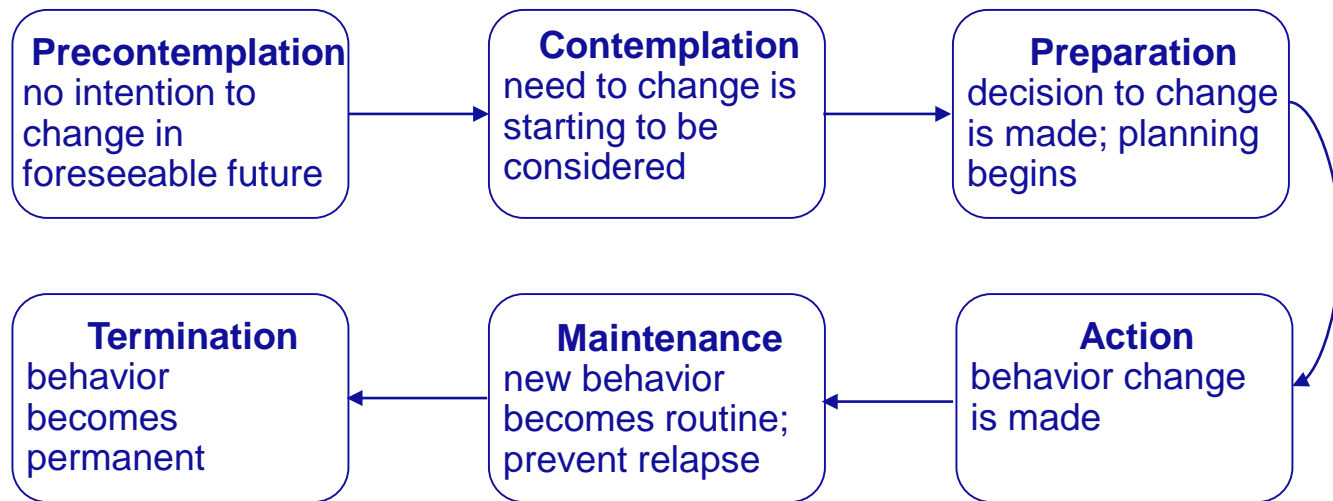
Population Health, Experience of Care, Per Capita Cost

- Frameworks should be identified and cited for contextualization as well as conceptualization and operationalization
 - Your constructs must be measureable to provide evidence towards your hypothesis acceptance
 - Ease of communication!!!
- Multiple capture mechanisms may provide more insight to exposure outcome relationships
 - Just because it may not be needed now, doesn't mean it will not be incredibly useful later



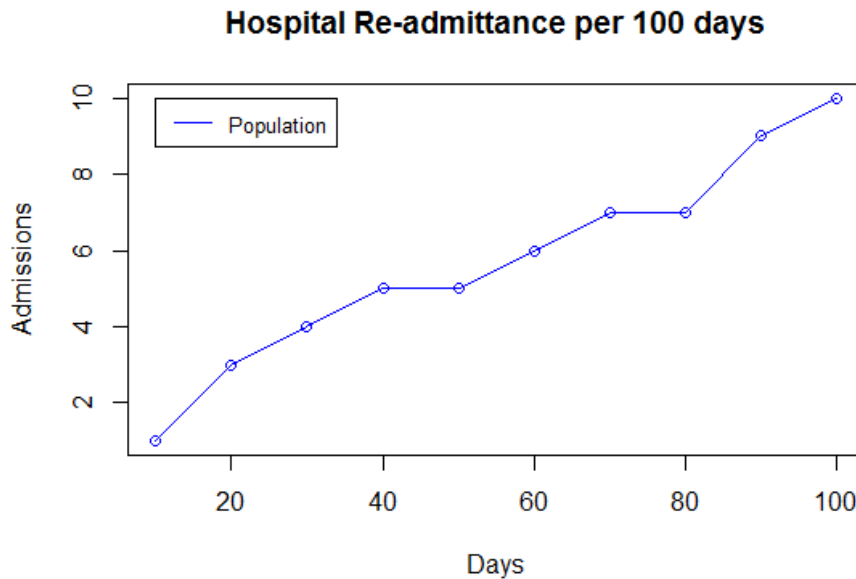


Frameworks Example: Transtheoretical Model





Multiple Capture Example

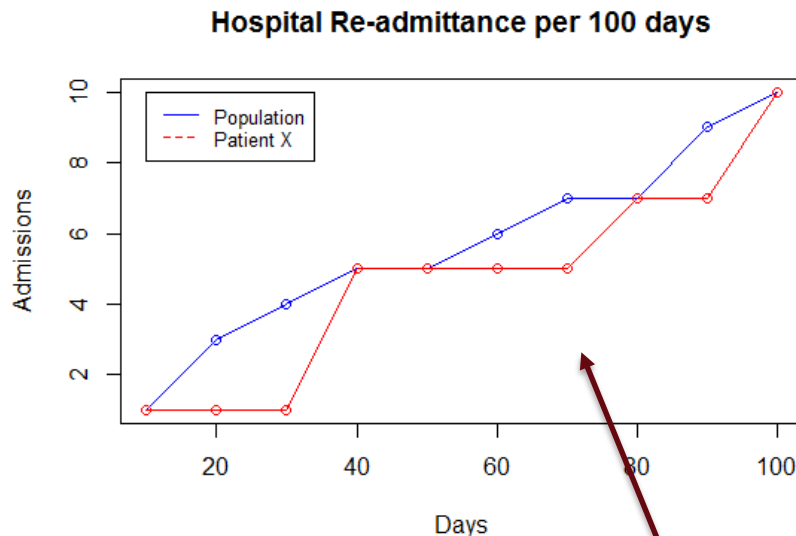


- Consider an example wherein we capture the number of return admissions to a hospital
- A common approach is to take the average number of readmissions, and plot the results
- This is a valid approach if it answers the research question, but can be extended to include more information





Multiple Capture Example



- In addition to taking averages across the population, individual variation can be accounted for in statistical models
 - Time to event information is very useful for longitudinal and survival analyses
- Example: Days until individual patient is readmitted,

1 patient makes up a large proportion of variability, patient could be considered an outlier





Data Capture

Using IHI Triple Aim

Population Health, **Experience of Care**, Per Capita Cost

- Experience provides measures of quality*
 - Important as there may be disconnect between provider and patient
 - Factor into overall measures of safety as well as outcome assessment
 - Patient reported measures provide patients an opportunity to assess their experience—providing empowerment
 - Examples: HCAHPS, patient reported measures, patient experience scores, many, many informal measures

*Meaningful Use Stage 3





Data Capture

Using IHI Triple Aim

Population Health, **Experience of Care**, Per Capita Cost

- Patient reported data should be assessed **over time**
 - If possible: baseline, after intervention, and followed up
 - Very helpful in showing attitude changes over time
- Six key dimensions: safe, effective, timely, efficient, equitable and patient-centered (IHI triple aim outcome measures)



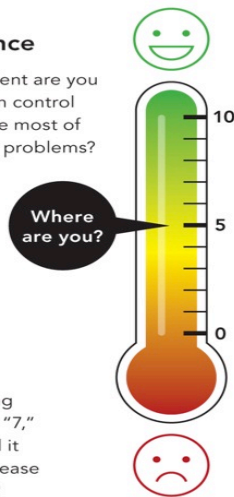


Experience of Care Examples

Whenever You Think About Your Health and Health Care Ask Yourself These Questions

Health confidence

How confident are you that you can control and manage most of your health problems?



If your rating is less than "7," what would it take to increase your score?

Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree
1	2	3	4	5

- Many use Likert scales due to ease of understanding and widespread acceptance
 - Con: Forcing someone into one of these categories
- Some tools use graphics like [howsyourhealth.org](https://www.howsyourhealth.org) to try to conceptualize a complex idea
- Free text boxes compile a lot of information, but are difficult to synthesize for later use

<https://www.howsyourhealth.org/>





Data Capture

Using IHI Triple Aim

Population Health, Experience of Care, **Per Capita Cost**

- **Total cost** per member of the population per month
- **Hospital, ED, service** utilization rate and cost
 - 30 day readmission, or days to readmission, and transfers to higher levels of care for sensitive conditions
 - http://www.qualityindicators.ahrq.gov/Downloads/Modules/PQI/V31/pqi_guide_v31.pdf (like HF, COPD)
 - Visits to clinic
 - Medications (including “rescue” medications)





Other Measures

- Intermediary measures such as:
 - Number of days to follow up with primary care provider as a *desired* measure vs. an *undesired* measure
 - % same day access to PCP or lower level of care vs. ED visit





Activity

Value Added Approaches

Small group & large group
Identify, categorize, rank
Quantitative and Qualitative





Activity

Breaking Down Barriers





Wrap Up—Thanks and Keep in Touch!

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