Curriculum Overview

KEY
Team Check-in
Inspiration
Background
Process
Improvement
Leadership
Quality/Safety
Coaching
EMR

8/20	#1	Welcome	Beginning with the E Mind	nd in	Objectives Introductio	Overview		Leadership Defined		Team Norms			
8/27	#2	UCH Sleep	Thriving as a Leader Imperative	ship	Value Defined	Introduction to Quality Improvement		IHQSE Model of Change		Coaching			
9/3			Coaching										
9/10	#3	CHCO Secure Chat	Investigate the Prob	olem	Problem Statement Voice of the Customer			Process Stakeh Mapping Anal		10000	EMR Process & Data		
9/17					Coa	ching							
9/24	#4	UCH Multidisciplinary Pain Clinic	Investigate the Prob	olem	Understand Root Cause		Baselir	ie Data	Busir	Business Case		Coaching	
10/1			Coaching										
10/8	#5	UCH Neurosciences	QI vs. Research					Leading Change					
10/15					Coa	ching							
10/22	#6	DHA Antimicrobial Stewardship	Data Collection Plan Myers Briggs						gs				
10/28					Coa	ching		200			1		
11/12	#7	CU Medicine Dermatology	Leading Change: Vision			В	Rusiness			ating for what ou Need		This Place Called Academia	
11/19	#8	UCH Nursery	Leading Change Sense of Urgenc		DEI in QI				Positive Deviance				
11/26					Coa	ching							
12/3	#9	UCH Infectious Diseases	Hone the Intervent	tion	Identifying You Intervention		I Decig		n Thinking Wellnes		S	Leading Change Buiding Coalition	
12/10	#10	DHA Clinical Informatics	Leadership Journey: Tom Gronow	А	Aim Statement		Optimizing El Requests		ST.	AR Storytelling		Team Logo	
12/17					Coa	ching							

KEY	Team Check-in Inspira	ion Background	Process Improvement	Leadership	Quality	/Safety	Coaching
Session	Topic	Ke	Key Question(s)			Due	

Coaching	Baseline data, root causes, business case								
	Team Check-in: UCH Neurosciences	Who are my colleagues?		Complete Myers-Briggs Assessment Due Oct. 18	1	Reading for next			
#5 Oct. 8	Leading Change	What are the components of successful change?	_	Complete literature review Due Nov. 19		session: Kotter, John. Leading Change: Why Transformation Efforts			
	QI vs. Research	How do I determine if my QI work is a research project?	Complete Program Eval/QI/Research Tool Due Nov. 19			Fail			
Coaching	Literature search, QI/Research tool, voice of the customer, stakeholder analysis, process map								
	Team Check-in: DHA Antimicrobial Stewardship	Who are my colleagues?				Complete voice of			
#6	Assignment Expectations	What are the differences between data used for QI, accountability, and research?				customer Build stakeholder analysis			
Oct. 22	Data to Understand Your Problem					Complete process map Meet with Dr. Moksha			
	Myers-Briggs	How can I use deeper self-awareness to transform my own leadership and teamwork?				Patel			
Coaching	Data collection plan, problem statement								
	Team Check-in: CU Medicine Dermatology	Who are my colleagues?							
#7 Nov. 12	Negotiation	How do the finances flow and drive the priorities of an Academic Medical Center?		Develop/utilize current	1	Develop Problem Statement Affinity Diagram			
	Understanding Business Drivers	What is driving the decision making on our campus and how can we best influence those issues?		vision tying to project Due Nov. 19	✓				
	Negotiating for what You Need	How do I negotiate for what I need?							
	Leading Change: Vision								

Today's Objectives

- Understand different uses for data and quality improvement metrics
- Apply MBTI understanding to your team to allow for optimal contributions from all members.

Self and Other Awareness for Effective Leadership

The MBTI

Patrick Kneeland, MD SFHM

VP for Medical Affairs
@DispatchHealth

Associate Clinical Professor of Medicine @CUAnschutz



SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

Past experiences with MBTI or other assessment tools

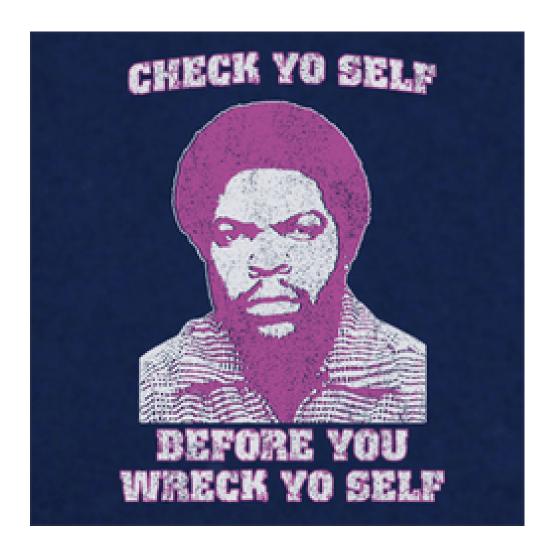
Learning Outcome

Apply knowledge of type preference to become a more effective leader through self/other awareness.

"To know thyself is the beginning of wisdom."

— Socrates

Checking Yourself



"Take a step back and examine your actions, because you are in a sticky situation that could get bad very easily."

Goleman on Self-Awareness

- Deep understanding of one's emotions, strengths, weaknesses, needs and drives, values, goals
- Neither overly critical nor unrealistically hopeful
- Behaviors that demonstrate self-awareness:
 - Authenticity
 - Candor
 - Speak openly and accurately
 - Thirst for constructive criticism
 - Genuine, grounded self-confidence
 - Ability to play to one's strengths
 - Seeking complementary skills for one's team

Some Ways Leaders Become Self-Aware

- Test and Know Yourself Better
 - Employ a reliable framework for understanding your strengths and weaknesses (like MBTI)
 - Watch yourself and learn
 - Debrief often. What did I expect to happen? What actually happened?
 - Be aware of others, and open to the normal spectrum of preferred approaches

MBTI

The fundamental gift of typology is better self-management through heightened self-awareness.

Otto Kroeger Author of <u>Type Talk</u> and <u>Type Talk at Work</u>

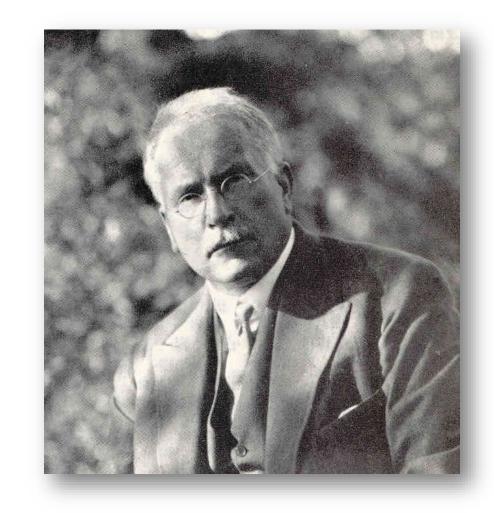
Users of the MBTI® Instrument

- Most Fortune 100 companies use it
- The most widely used personality assessment in the world more than 2 million people worldwide each year
- Translated into two dozen+ languages
- Used in 70+ different countries

Carl G. Jung

- Every person carries out two kinds of mental processes:
 - We take in information
 - Then we make decisions about the information
- Everyone has preferred ways of using these mental processes

Psychological Types (published 1921, translated into English 1923)



Katharine C. Briggs & Isabel Briggs Myers



Katharine C. Briggs (1875–1968), an American educator, read Jung's *Psychological Types* in 1923 Spent 20 years studying and developing applications for Jung's theory



Isabel Briggs Myers (1897–1980) developed Jung's theory in partnership with Briggs

Beginning in 1943, she developed questions that became the *Myers-Briggs Type Indicator*® instrument

MBTI – Important Context

- Predicts ways we might behave... it does not determine them.
- Personality preferences not skills or intelligence
- Suggests that behavior that appears random is orderly and consistent.
- Every type can be a leader and successful

Preferences are inborn

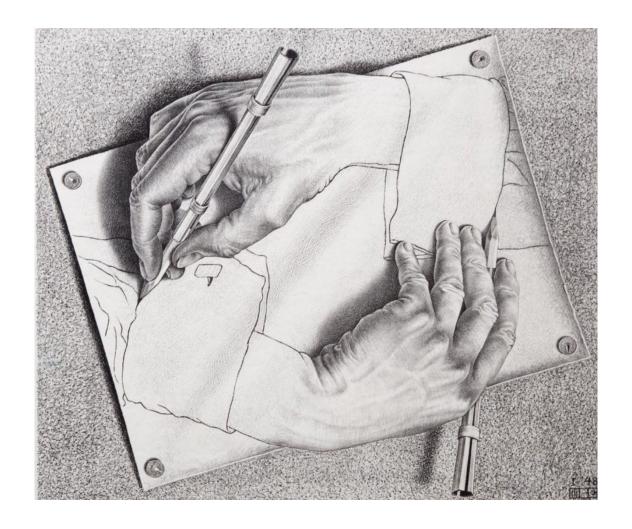
Characteristics are key aspects of a personality pattern

 Normal differences in everyday behavior

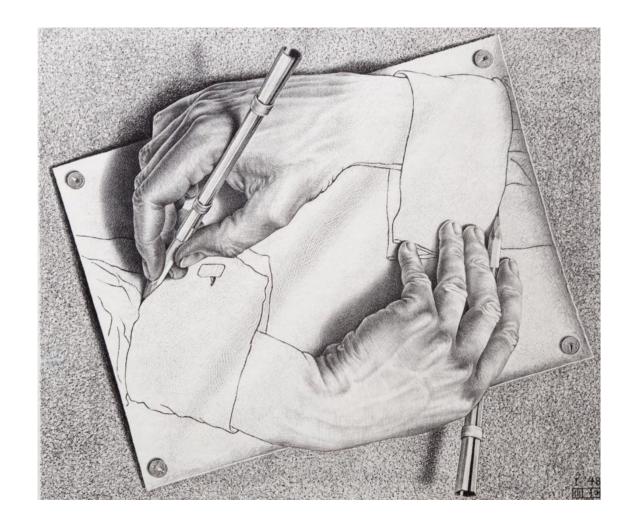
 Just because it is core to one type does not mean others don't have it

- Insights not judging all types are good.
- Language of MBTI

Write your name . . .



We all can and do use both hands; for writing, one is natural, comfortable, automatic



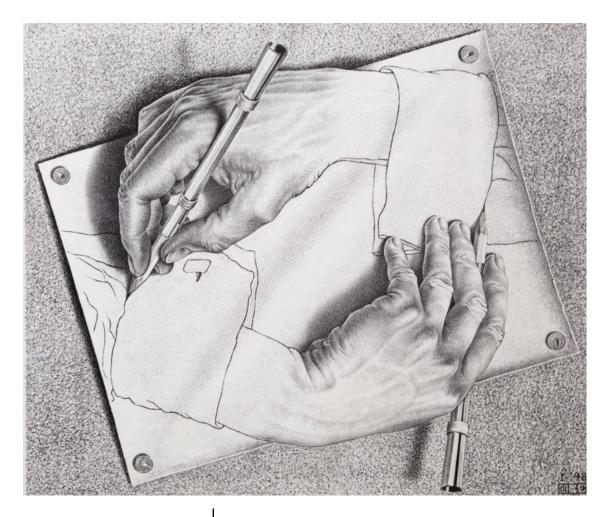
Contextual self

Developed self

Core self

Effective leaders can ...

"Put the pen in the other hand."



The MBTI® Dichotomies

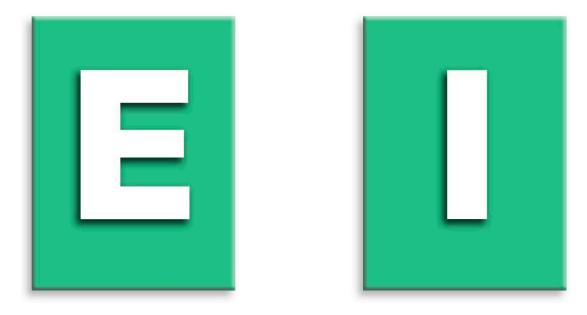
The MBTI® instrument indicates preferences on four pairs of opposites, called *dichotomies*:

> Extraversion E or Introversion **S** or Sensing Intuition **T** or **Thinking** Feeling J or Judging Perceiving

MBTI® Theory

- Four pairs of opposites—like our right and left hands.
 We all use both sides of each pair, but one is our natural preference.
- The MBTI® instrument is designed to indicate those inborn preferences.
- The MBTI instrument is *not* designed to measure skills or effects of environment.

Extraversion (E) or Introversion (I)



Where we focus our attention and get energy

Source: Introduction to Type® (6th ed.), I. B. Myers, p. 9.

E-I Differences

People who prefer Extraversion:

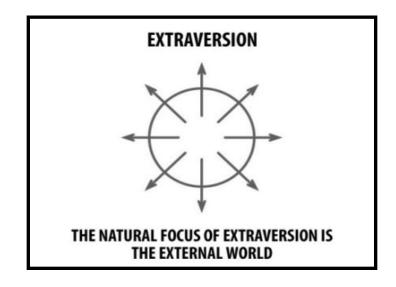
- Direct their energy and attention outward
- Focus on the outer world of people and activity

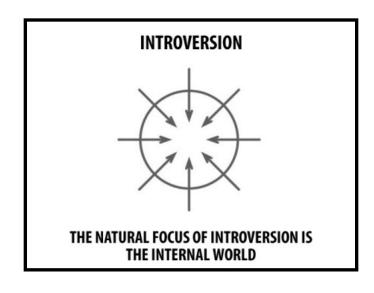
People who prefer Introversion:

- Direct their energy and attention inward
- Focus on their inner world of ideas and experiences

We all use both preferences, but usually not with equal comfort.

E-I Illustration





People who prefer Extraversion (E)

- Are energized by interacting with others
- Are sociable and expressive
- Prefer to communicate face-to-face
- Work out ideas by talking them through

People who prefer Introversion (I)

- Are energized by opportunity to reflect
- Are private and contained
- Prefer to communicate by writing
- Work out ideas by thinking them through

Where People Focus Their Attention (cont.)

People who prefer Extraversion (E)

- Have broad interests in many things
- Learn best through doing or discussing
- Readily take initiative in work and relationships

People who prefer Introversion (I)

- Focus in depth on their interests
- Learn best by reflection, mental "practice"
- Take initiative when the situation or issue is very important to them

Key Words Associated with E-I





Extraversion

Introversion

Action Reflection

Outward Inward

People Privacy

Interaction Concentration

> Many Few

Expressive

Quiet

Do-Think-Do

Think-Do-Think

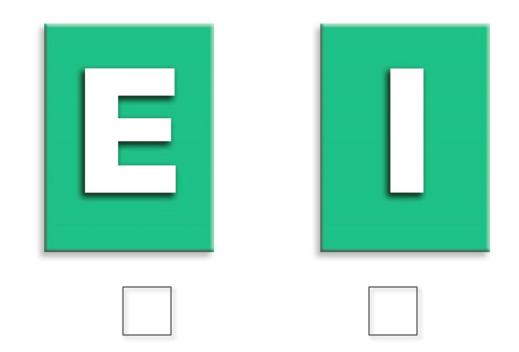
We Have a Preference

We all do Extraverted and Introverted things.

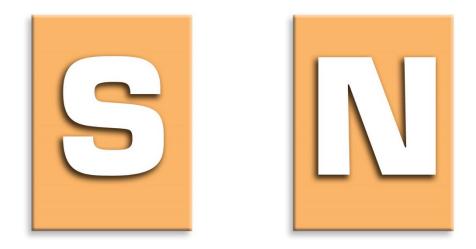
> But we usually do not do them with equal comfort.

Most of us have a preference for one or the other.

E-I Self-Assessment



Sensing (S) or Intuition (N)



The way we take in information and the kind of information we like and trust.

S-N Differences

People who prefer Sensing:

• Focus on present realities, verifiable facts, and experience

People who prefer Intuition:

• Focus on future possibilities, the big picture, and insights

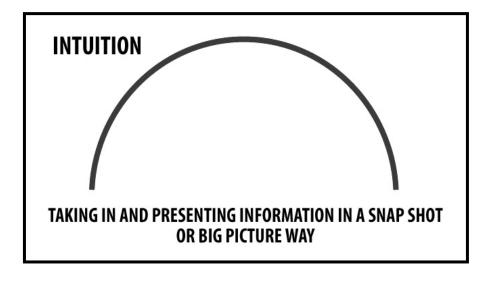
We all use both ways of perceiving, but we typically prefer and trust one of them more.

S-N Illustration

SENSING

1 2 3

TAKING IN AND PRESENTING INFORMATION IN A SEQUENTIAL, STEP BY STEP WAY



What it is vs. What it could be...

Sensing...

Red

Shiny

Apple

Sweet

Crunchy



Intuiting . . .

Health

Fruit

Appreciation

Sustenance

Fairy Tales

How People Take In Information

People who prefer Sensing (S)

- Focus on what is real and actual
- Observe and remember specifics
- Are factual, concrete, and sequential

People who prefer Intuition (N)

- Focus on patterns and meanings
- Remember specifics when they relate to a pattern
- Are abstract and imaginative

How People Take In Information

(cont.)

People who prefer Sensing (S)

- Build carefully and thoroughly toward conclusions
- Understand ideas and theories through practical applications
- Are specific and literal
- Trust experience

People who prefer Intuition (N)

- Move quickly to conclusions, follow hunches
- Generate ideas and theories; application is secondary
- Use metaphors and analogies
- Trust insight

Key Words Associated with S-N





Sensing Intuition

Facts Ideas

Realistic Imaginative

Specific General

Present Future

Keep Change

Practical Theoretical

What is What could be

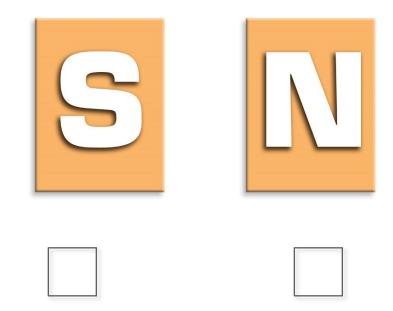
We Have a Preference

We all use Sensing and Intuition when making our observations about the world.

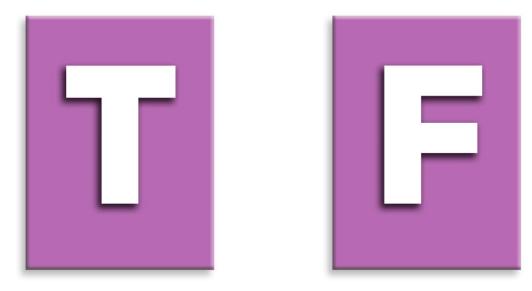
But we usually do **not** use them with equal trust.

Most of us have a preference for one or the other.

S-N Self-Assessment



Thinking (T) or Feeling (F)



The way we make decisions

Source: Introduction to Type® (6th ed.), I. B. Myers, p. 10.

T-F Differences

People who prefer Thinking:

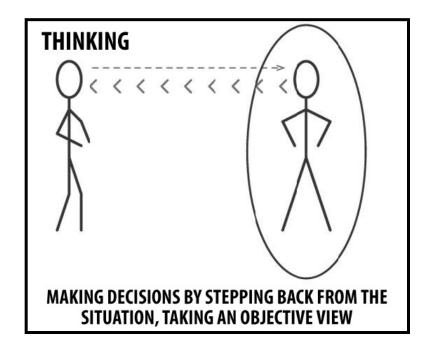
Make their decisions based on impersonal, objective logic

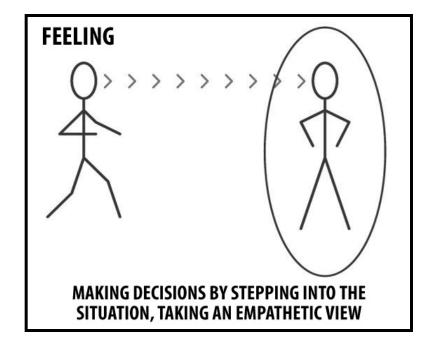
People who prefer Feeling:

 Make their decisions based on personal priorities and relationships

Both processes are rational and we use both, but usually not with equal ease.

T-F Illustration





How People Make Decisions

People who prefer Thinking (T)

- Step back to get an objective view
- Analyze
- Use cause-and-effect reasoning
- Solve problems with logic

People who prefer Feeling (F)

- Step in to identify with those involved
- Empathize
- Are guided by personal and group values
- Assess impacts of decisions on people

How People Make Decisions

(cont.)

People who prefer Thinking (T)

- Strive for an objective standard of truth
- Are "reasonable"
- Can be "tough-minded"
- Are fair—want everyone to be treated equally

People who prefer Feeling (F)

- Strive for harmony and positive interactions
- Are compassionate
- May appear "tenderhearted"
- Are fair—want everyone to be treated as an individual

Key Words Associated with T–F





Thinking

Feeling

Head

Heart

Detached

Personal

Things

People

Objective

Subjective

Critique

Praise

Analyze

Understand

Firm but fair

Merciful

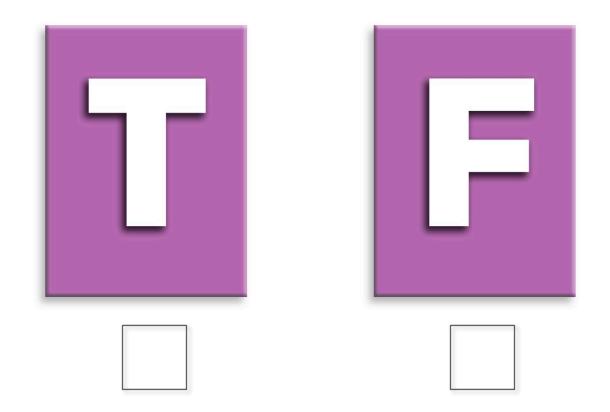
We Have a Preference

We all use both Thinking and Feeling when making decisions.

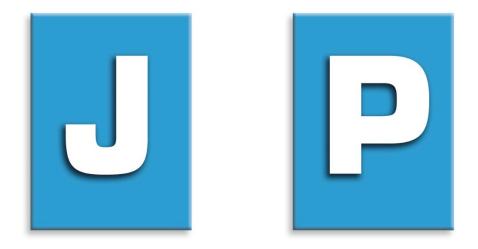
But we usually do not use them with equal ease.

Most of us have a preference for one or the other.

T-F Self-Assessment



Judging (J) or Perceiving (P)



Our attitude toward the external world and how we orient ourselves to it.

J-P Differences

People who prefer Judging:

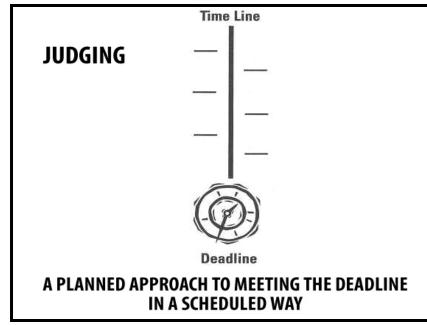
- Want the external world to be organized and orderly
- Look at the world and see decisions that need to be made

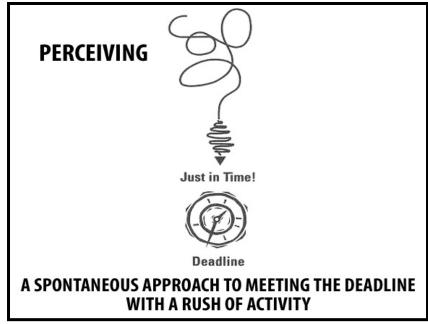
People who prefer Perceiving:

- Seek to experience the world, not organize it
- Look at the world and see options that need to be explored

We all use both attitudes, but usually not with equal comfort.

J-P Illustration





Source: Introduction to Type® and Change, N. J. Barger & L. K. Kirby, p. 5.

How People Approach Life

People who prefer Judging (J)

- Organized
- Systematic
- Methodical
- Make short- and long-term plans, and then follow them

People who prefer Perceiving (P)

- Adaptable and curious
- Casual
- Open-ended
- Adjust flexibly to new information and changes

How People Approach Life (cont.)

People who prefer Judging (J)

- Like to have things decided
- Resist reopening decisions
- Try to avoid last-minute stresses

People who prefer Perceiving (P)

- Like to explore options
- Resist cutting off options, making decisions too soon
- Feel energized by last-minute pressures

Key Words Associated with J-P





Judging Perceiving

Organized Flexible

Decision Information

Control Experience

Now Later

Closure Options

Deliberate Spontaneous

Plan Wait

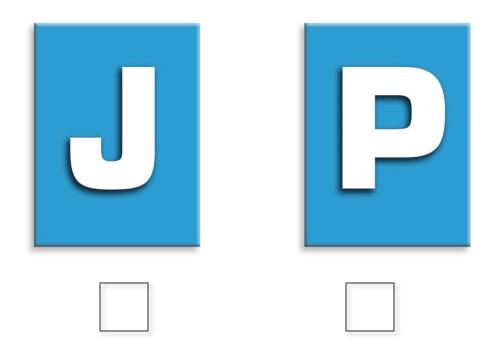
We Have a Preference

We all use Judging and Perceiving as part of our lifestyle.

But we usually do not use them with equal comfort.

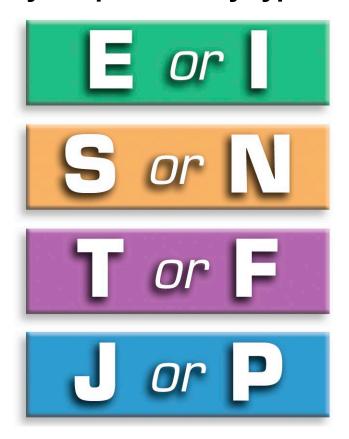
Most of us have a preference for one or the other.

J-P Self-Assessment

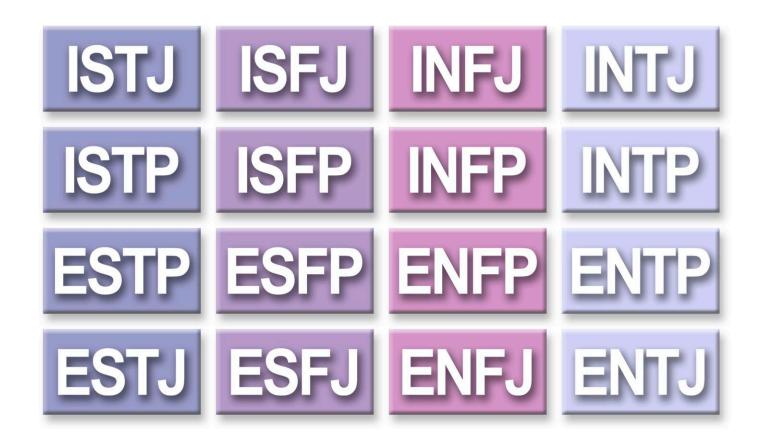


Personality Type

When combined, your preferences indicate your personality type.



16 Personality Types



Self-Estimate

 As a result of learning about the eight preferences and deciding which four you prefer, you have completed a self-estimate of your type.

Now let's see what your reported type is (based on how you responded to the items).

Reported and Self-Estimated Type

If these are the same:

Read the description in your report and decide: Does it fit your understanding of yourself?

If they are different:

Read descriptions for both your self-estimated and reported types in *Introduction to Type*[®] booklet. Decide which one fits best.

Levels of Confidence

"Best-fit" type



Reported type



Self-estimated type

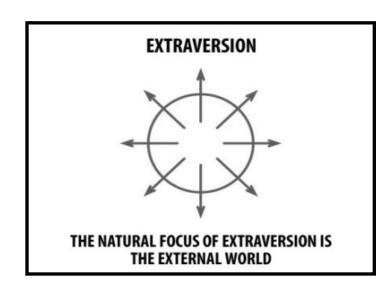


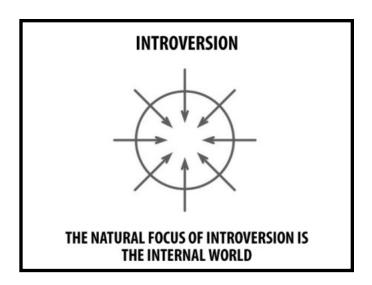
True type—innate predispositions

MBTI in Action

Energy

E/I





People who prefer Extraversion:

- Direct their energy and attention outward
- Focus on the outer world of people and activity

People who prefer Introversion:

- Direct their energy and attention inward
- Focus on their inner world of ideas and experiences

As a person who prefers I/E, what are the top three priorities for your work environment?

Create three questions that you want to ask your opposite types to help you understand them better.

What are the benefits of having those who prefer I on the team?

What are challenges those with this preference have to flex?

What are the benefits of those who prefer E on a team?

What are challenges those with this preference have to flex?

Pro Tips

Practice for E preference

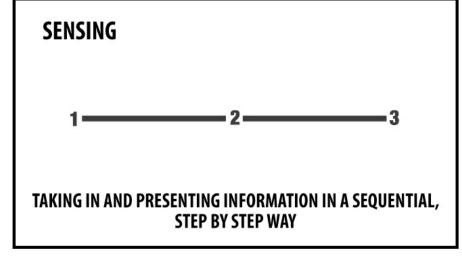
Invite people to participate in an in-person brainstorming session

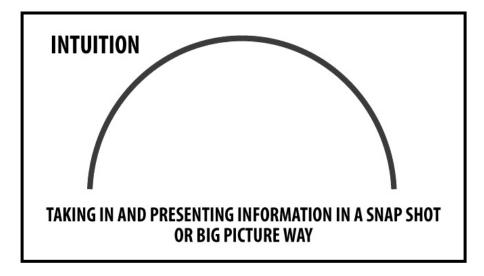
Practice for I preference

- Pause for 3-5 seconds after asking a question of the group before you speak/respond.
- Structure sharing opportunities around a prompt that includes individual time then group sharing

Perceiving Function

(S/N)





People who prefer Sensing:

· Focus on present realities, verifiable facts, and experience

People who prefer Intuition:

Focus on future possibilities, the big picture, and insights

We all use both ways of perceiving, but we typically prefer and trust one of them more.

Find your S / N Group

Look at the following picture for about 10 seconds in silence.

Spend a couple minutes discussing with your group. Write down the words you hear on the flip chart.



What it is vs. What it could be...

Sensing (S)...

Red

Shiny

Apple

Sweet

Crunchy



Intuiting (N)...

Health

Fruit

Appreciation

Sustenance

Fairy Tales

What are the benefits of having those who prefer S on the team?

What are the challenges those with this preference have to flex?

What are the benefits of having those who prefer N on the team?

What are the challenges those with this preference have to flex?

Pro Tips

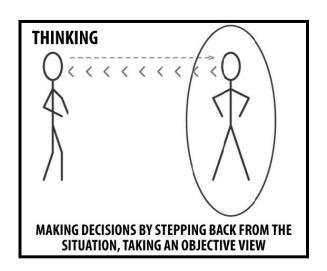
Practice for S preference

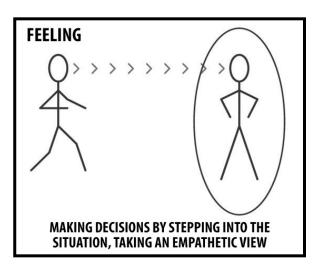
Present the key data points that inform a potential decision to the group *before* providing a recommendation.

Practice for N preference

State the punchline up front (the take home message, key decision, or framing of the problem) before discussing a problem or presenting specific data.

T/F





People who prefer Thinking:

Make their decisions based on impersonal, objective logic

People who prefer Feeling:

 Make their decisions based on personal priorities and relationships

Both processes are rational and we use both, but usually not with equal ease.

T/F

Your team/unit/clinic is moving to a new floor with a new workspace. There are not enough desks/computers for everyone to have one. How do you manage this situation?

How will you decide who uses a desk/computer and when?

Discuss in your group.

What are the benefits of having those who prefer T on the team?

What are the challenges those with this preference have to flex?

What are the benefits of having those who prefer F on the team?

What are the challenges those with this preference have to flex?

Pro Tips

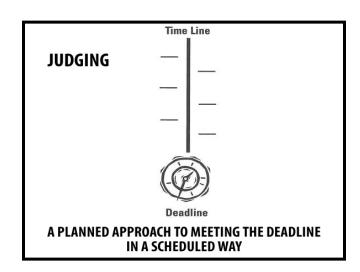
Practice for T preference

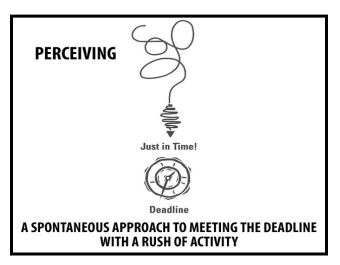
Lay out 3-5 guiding principles or "fair rules" for yourself or a group that should inform a decision, before making the decision.

Practice for F preference

Ask yourself or the group to state "how will X feel about our decision?" for 3-5 individuals or groups that will be impacted by a decision you or a team are making.

J/P





People who prefer Judging:

- Want the external world to be organized and orderly
- Look at the world and see decisions that need to be made

People who prefer Perceiving:

- Seek to experience the world, not organize it
- Look at the world and see options that need to be explored

We all use both attitudes, but usually not with equal comfort.



J/P

Assume that you have been invited to give a presentation of a successful QI project at a national conference with your team (presenting as a group) in 2 months.

How do you plan for this presentation?

What are the benefits of having those who prefer J on the team?

What are the challenges those with this preference have to flex?

What are the benefits of having those who prefer P on the team?

What are the challenges those with this preference have to flex?

Pro Tips

Practice for J preference

Pick a project and lay out for yourself or the group at least 5 steps that need to happen in order for someone else to see incremental progress alone a timeline.

Practice for P preference

Check in routinely around original assumptions and pose the question, is this still the best approach? Is there anything we need to reconsider?

MBTI Debrief

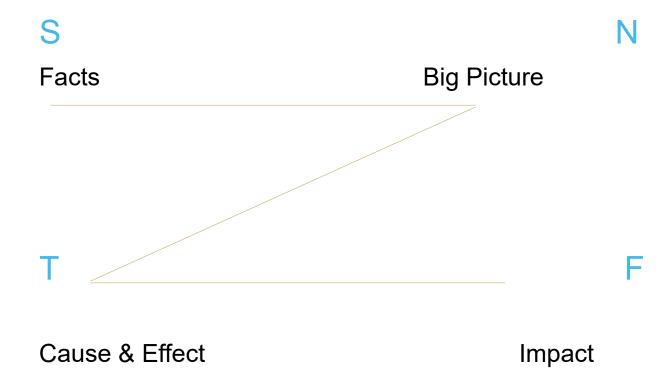
What is the value of knowing your own preferences?

What is the value of knowing the preferences of others?

MBTI and Team Performance?

MBTI type awareness and Improvement Work?

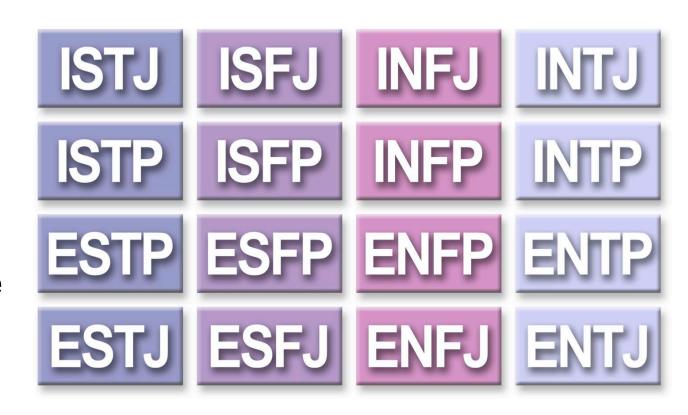
Z Problem Solving



Closing Activity

Based on our session, what is your "best" fit from each pair?

If comfortable, put your name in the box on the Type Table that corresponds to your best fit





Summary

Although we can use all types, we each have preferences that we are more comfortable with. It is important to be aware of our preferences and how these play out in various situations.

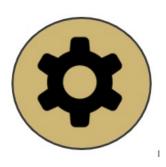
Every type can be a good leader!

Successful teams with members of many different types promote the personal development of team members by encouraging learning from the strengths of other types.

Teams that come to appreciate and use different types experience less conflict (in the long run).



Key Skills for Applying MBTI



Skill: With individuals, identify their preferred pattern of behavior. On every team, identify the dominant pattern of behavior—is the team more E or I? More S or N? More T or F? More J or P?

Skill: In team activities (e.g., meetings), create deliberate and intentional space for all types.

Skill: Practice using your non-dominant preference across all 4 pairs when you sense a team is overly skewed toward your dominant preference.

Additional Applications

The role of powerful questions and facilitation diamond

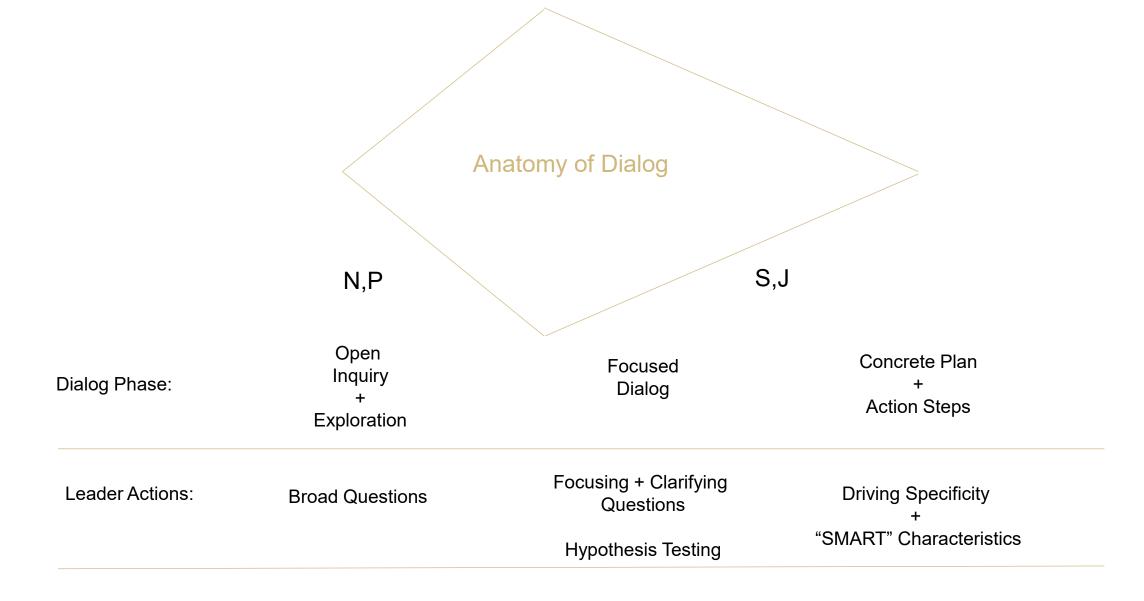
Powerful Questions

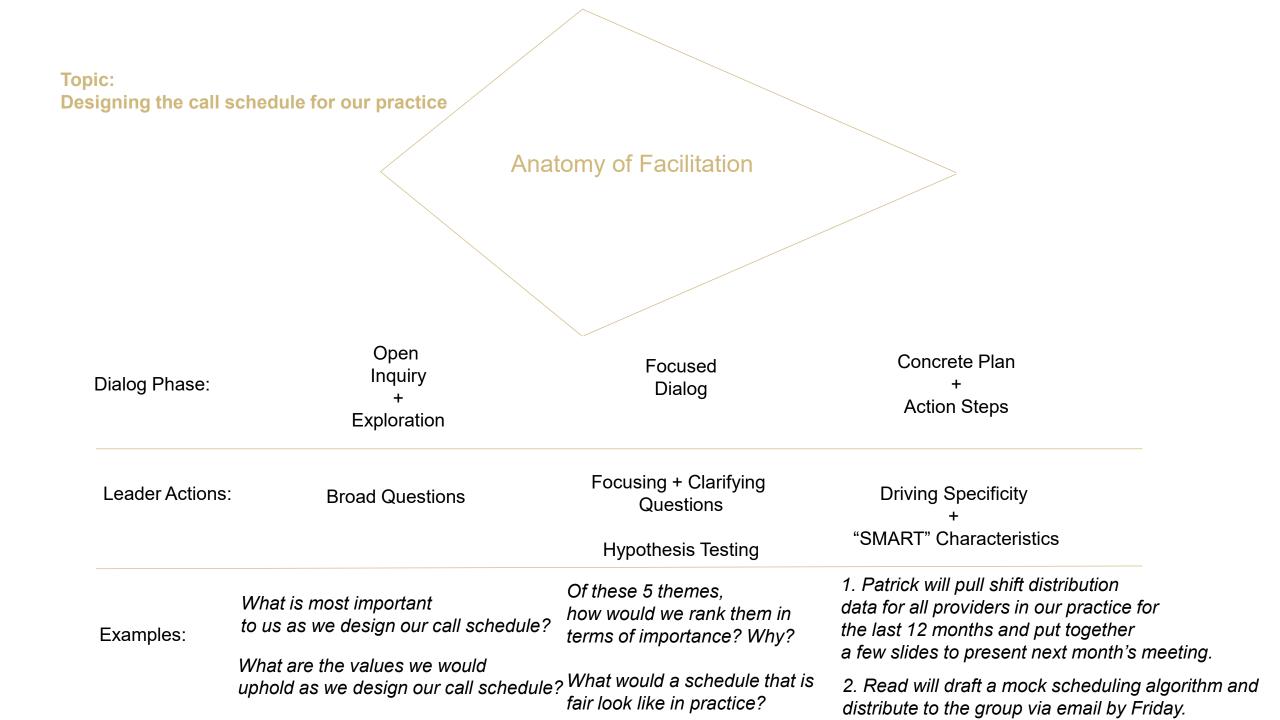
For most people,

Why?

Powerful Questions

- 1. Open-ended
- 2. Non-judgmental
- 3. Answer is unknown to you
- 4. Exploratory





Data to Understand Your Problem









Uses for Data

- Problem identification/demonstrate need or buy-in
- Understand WHY

- REALLY understand WHY
- Reveal solutions

- Track interventions
- Visualize change

LAST SESSION

TODAY

FUTURE

Data for Different Uses





Accountability Data

'Report card' style reporting often uses 0s or 100% for easy interpretation



e.g. 100% compliant 30% of the time

May also be displayed as a ranking or percentiles



What does improvement mean?

Submitted to publicly reported databases, insurers, and/or disease/procedure-specific databases.



Different definitions of harm, compliance, etc.

Not timely, often lagging by months to years. Often not risk adjusted.



Questionable reliability and relevance to <u>today</u>.

Accountability Data: When risk adjusted



The standardized infection ratio (SIR) is a metric used to track and compare the number of catheter-associated urinary tract infections (CAUTIs) at a hospital to the number predicted:

- SIR > 1: More CAUTIs were observed than predicted
- SIR = 1: The number of CAUTIs observed was similar to the number predicted
- SIR < 1: Fewer CAUTIs were observed than predicted

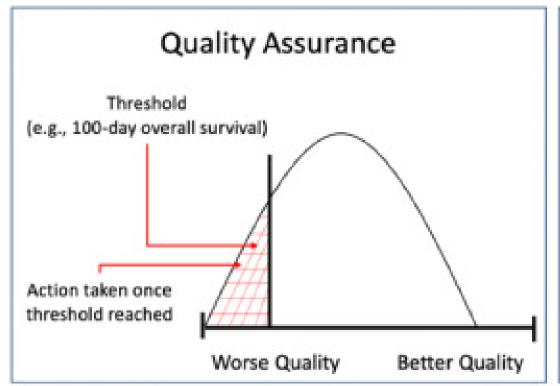
Accountability Data: When risk adjusted

SIR Calculation



- Example: "medical school affiliation"
- Variables are categorized based on significant differences in HAI risk between the categories. Parameter estimates reflect the nature of the relationship between the variable and the risk of HAI. In the case of categorical variables, the risk of HAI in an individual category is compared to the risk of HAI in the "referent" category. A positive parameter estimate indicates that the risk of HAI in that category (and therefore, the number of predicted HAIs) is higher compared to the risk of HAI in the referent category. A negative parameter estimate indicates that the HAI risk in that category is lower compared to the HAI risk in the "referent" category.
- Continuous variables:
 - Example: "facility bed size" in the CDI Acute Care Hospital model
- Derived variables:
 - Example: The proportion of admissions with traumatic and nontraumatic spinal cord







Quality Assurance

- Focus on the elimination of poor outcomes and/or poor performance
- Reactive
- Focus on incidents
- Provides external accountability
- Motivation: accreditation, reimbursement

Quality Improvement

- Focus on shifting the mean performance/outcome in the desired direction
- Proactive
- Focus is on the system
- Promote change in improvement and care quality
- · Motivation: excellence, outcomes



Sample Size

Data for Improvement



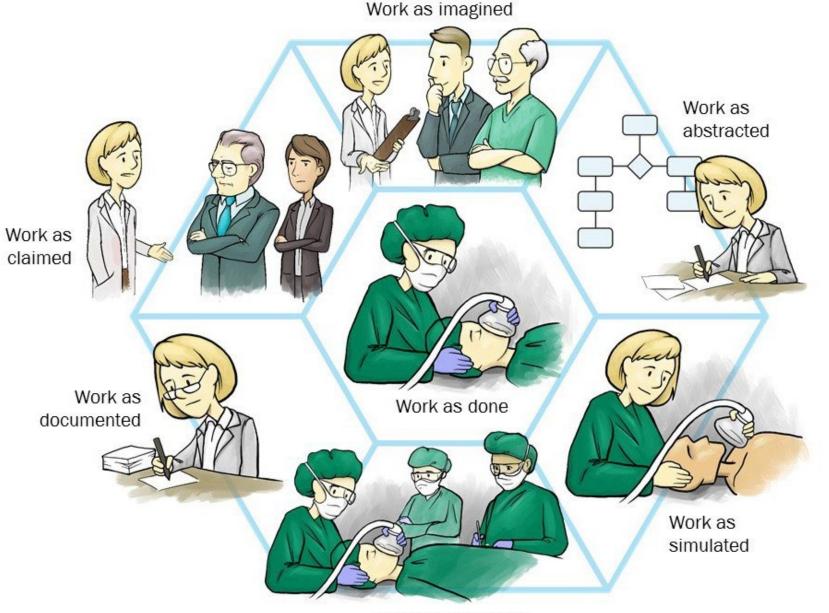
Data for Research

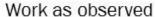






What are we measuring?









Let's use sepsis as an example.

SEPSIS Bundle Compliance = ACCOUNTABILITY

Patients receiving ALL of the following will pass the measure

Timeframe	Requirement
≤ 3 hours of severe sepsis presentation	 Lactate level drawn Appropriate antibiotic administered Blood cultures drawn prior to antibiotic
≤ 6 hours of severe sepsis presentation (if initial lactate elevated)	Repeat lactate level
≤ 3 hours of initial hypotension (if occurs)	 Appropriate IV fluids
≤ 6 hours of septic shock presentation (if hypotension persists)	 Vasopressors administered
≤ 6 hours of septic shock presentation (if hypotension persists & lactate ≥4)	 Repeat volume status and tissue perfusion assessment performed

NOTE: Abstractors are trained to "throw out" (fail) and stop collecting any other data from the chart as soon as one of the data points along the way are missed.

SEPSIS Improvement = QI

Measure Type	Example
Structure	- % Weekly shifts with adequate staffing, by discipline (nurse, lab, pharm)
Process	 - Time elapsed between: - Stat lab order (with lactate) placed; Arrival of test tube to lab (nurse) - Arrival of test tube to lab; Lactate lab result in EMR (lab) - Lactate lab result in EMR; Antibiotic order placed (provider) - Antibiotic order placed; Antibiotic start time (pharm, nurse)
Outcome	- % of patients with septic shock surviving to hospital discharge (or after)
Balancing	 - Time between non-stat, additional lab order placed; Arrival of test tube to the lab - % patients with septic shock receiving antibiotics before blood cultures drawn - % patients with septic shock ordered antibiotics before lactate result available

QI Metrics

OUTCOME

PROCESS

STRUCTURAL

BALANCE

Matter to Patients (or stakeholders)

OUTCOME

- Patient Satisfaction
- ·LOS
- Readmission Rate
- Adverse Events

Can act as proxy for outcomes

PROCESS

- Use of checklists
- · Lab orders

STRUCTURAL

- PPE
- Medications
- Hand sanitizer

R N

S

BALANCE

T

University of Colorado Anschutz Medical Campus

IHQSE



Dependent on intervention

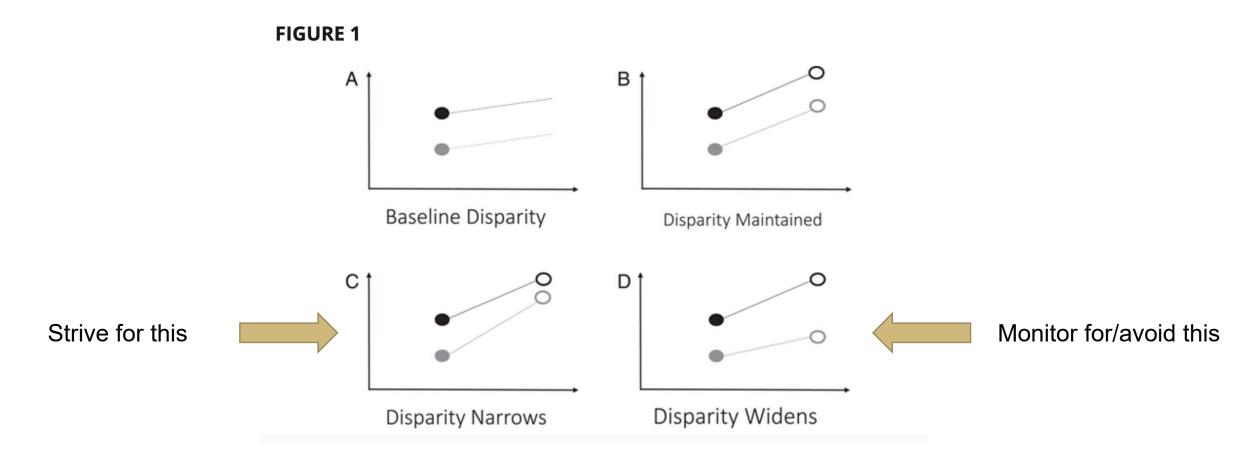
Consider health equity.

Experience shows that traditional QI methods can maintain or worsen health inequities across subpopulations.



Look at disparities and solutions <u>upfront</u> among commonly disadvantaged subgroups such as wealth, race, and location.

Consider the heterogeneity of your population.... Are some groups affected differently than others?



At x clinic, 35% of all patients with diabetes are not under glycemic control as defined by an A1c<8%.

Among Hispanic and Latino patients, 40% of patients with diabetes have not achieved glycemic control.

Patients with HbA1c > 8% are more likely to experience complications and comorbidities.

OUTCOME

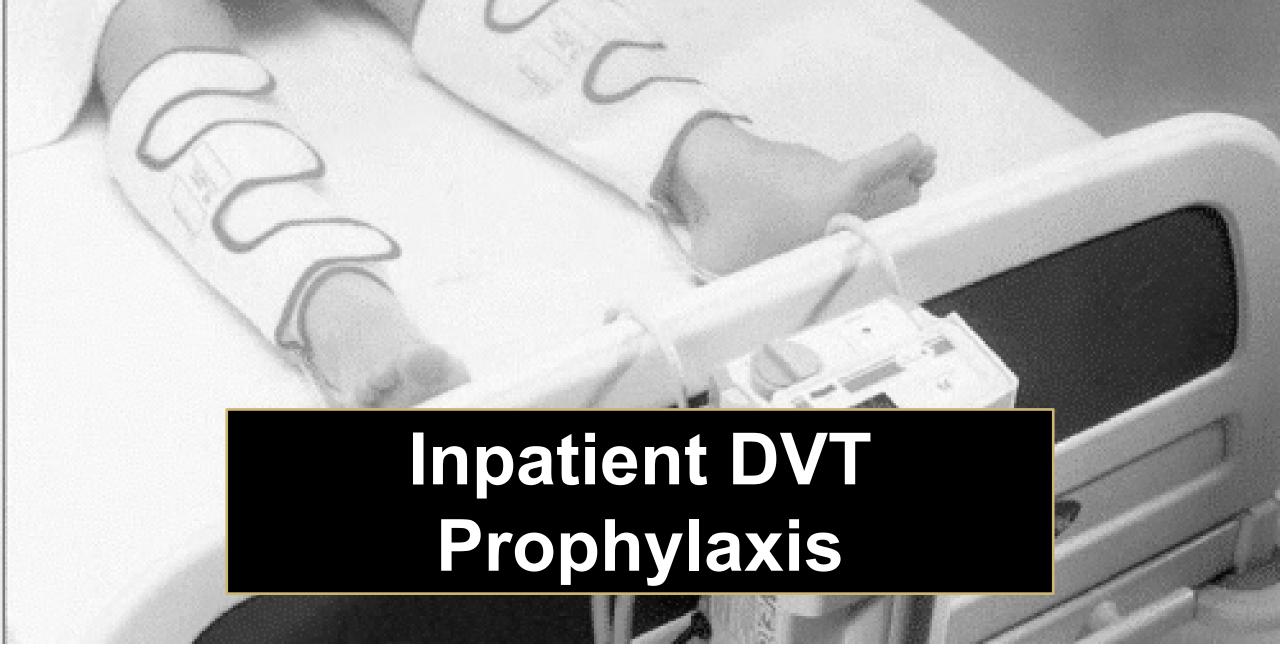
The thing you want to affect = PROJECT GOAL Reduce time to PT consultation

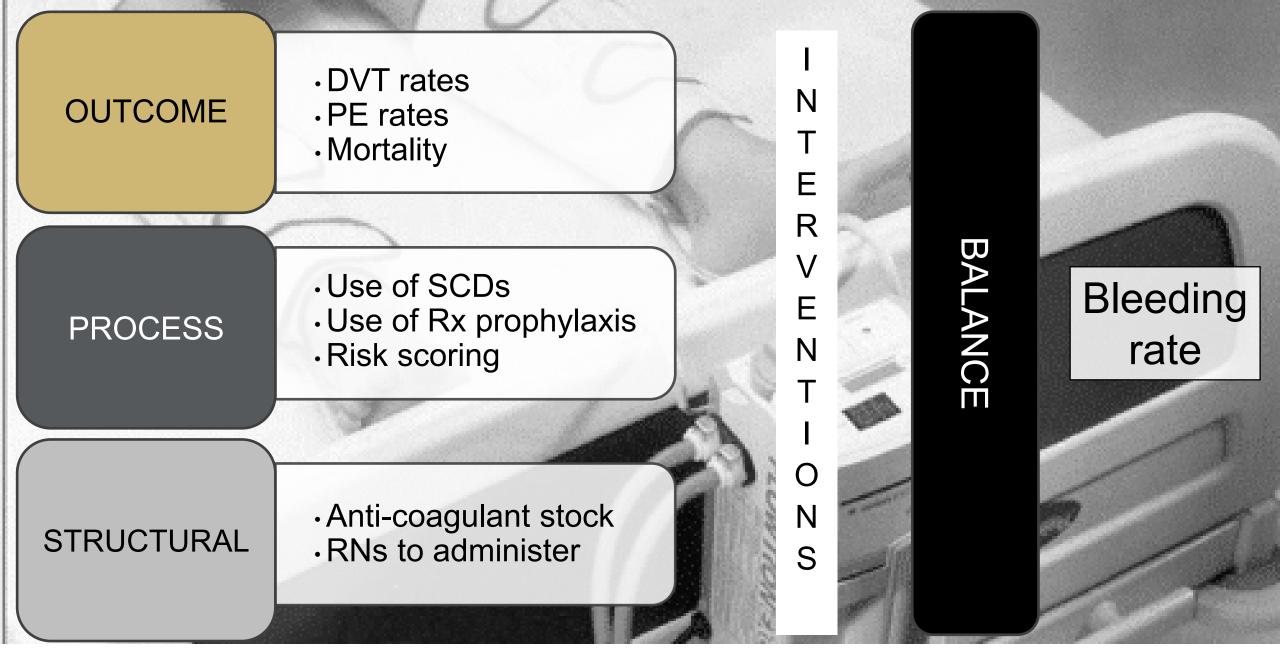
PROCESS

STRUCTURAL

The things you think contribute to the outcome = AIM STATEMENT

Decrease number of unnecessary PT consults







"Set it and...forget it!"

Coaching Breakout: Metrics

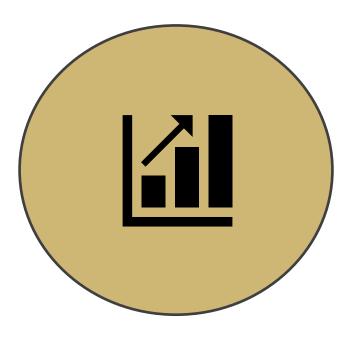


What is/are your outcome metric(s)?

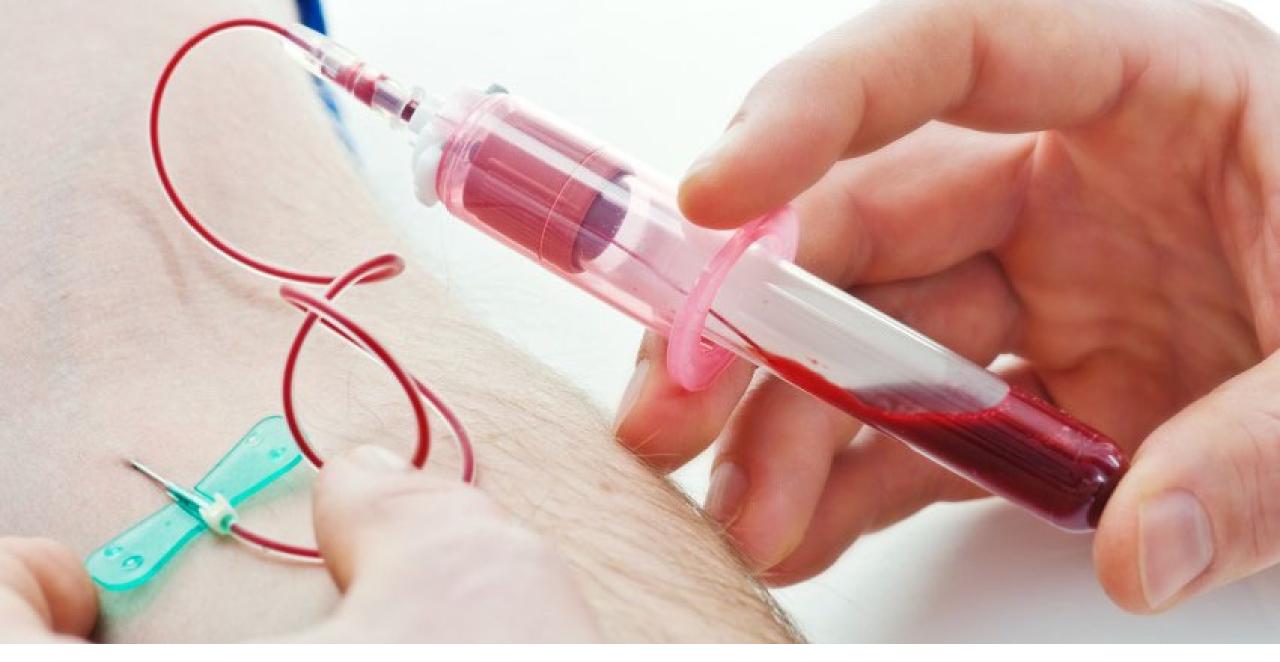
What are your process or structural metrics?

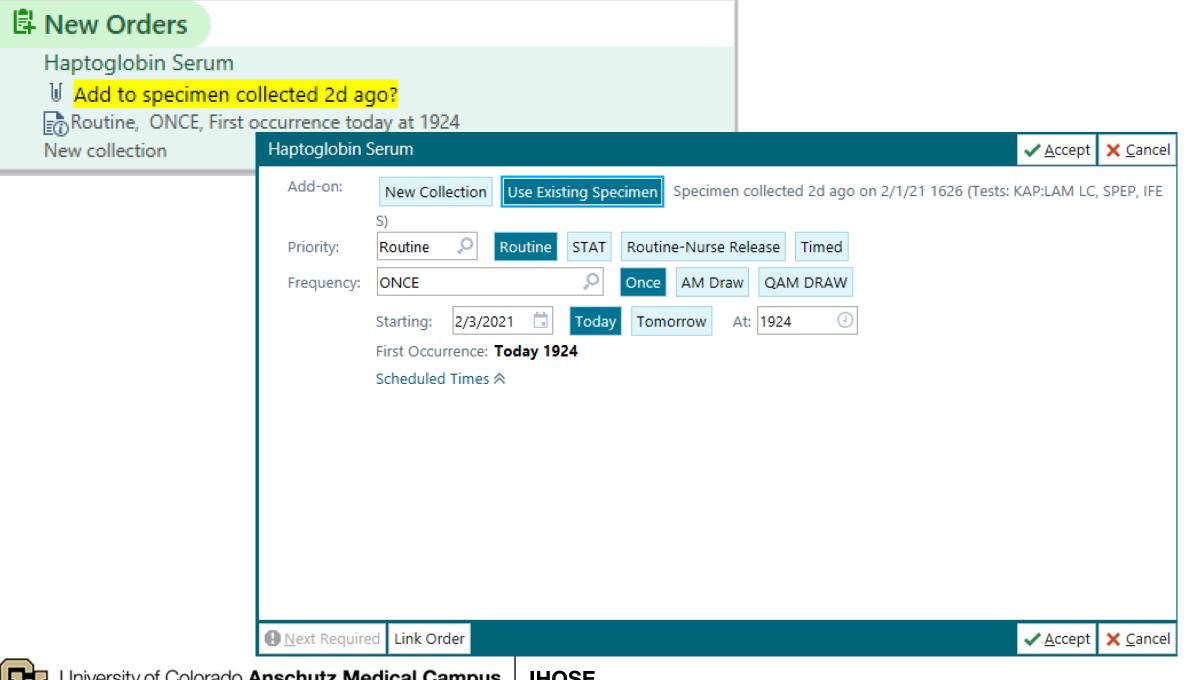
10 minutes



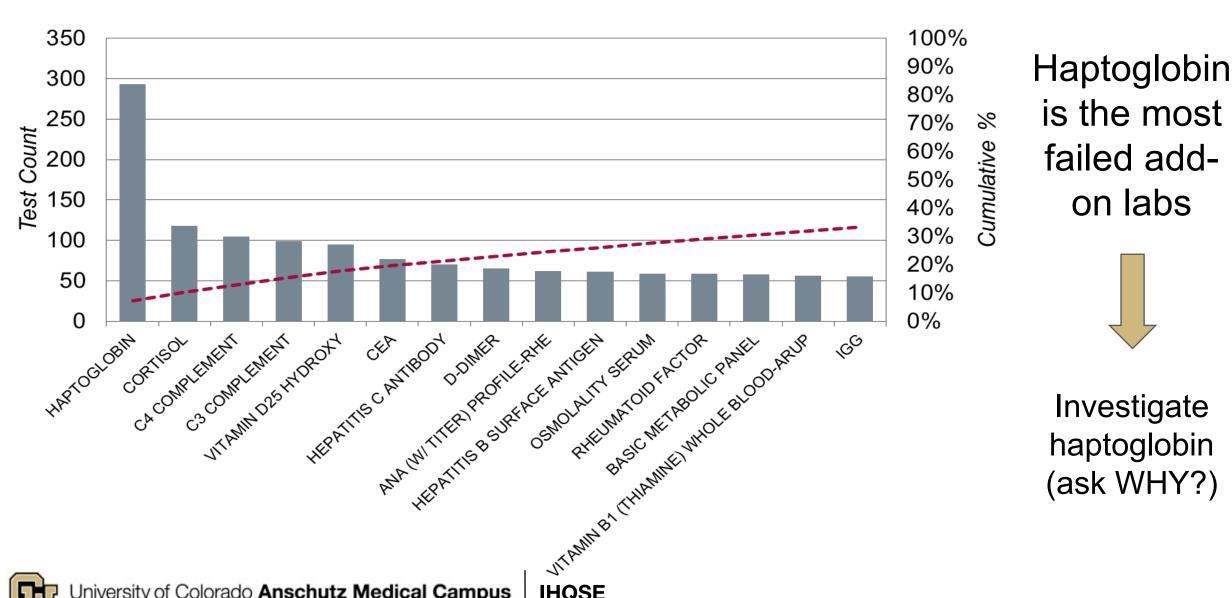


Using Data to Understand and Make Decisions





Top 15 Add-On Failures: UCH Inpatient January – August 2017



IHQSE





Haptoglobin Serum

■ Add to specimen collected 2d ago?

Routine, ONCE, First occurrence today at 1924

New collection



University (Anschutz) Hospital



Poudre Valley Hospital



Memorial Hospital





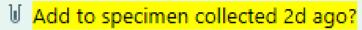






New Orders

Haptoglobin Serum



Routine, ONCE, First occurrence today at 1924

New collection





University (Anschutz) Hospital





Poudre Valley Hospital





Memorial Hospital





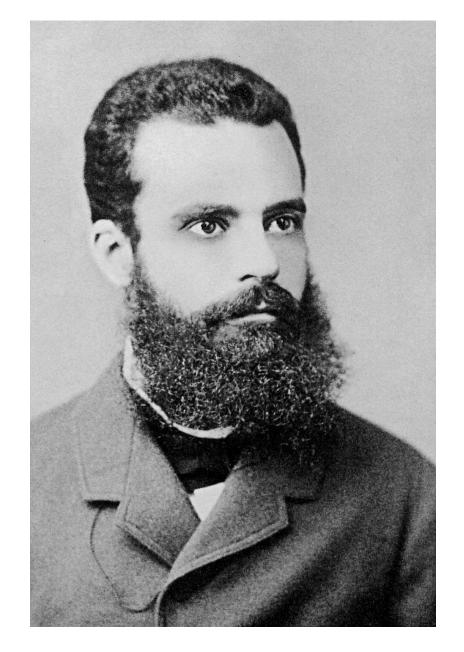






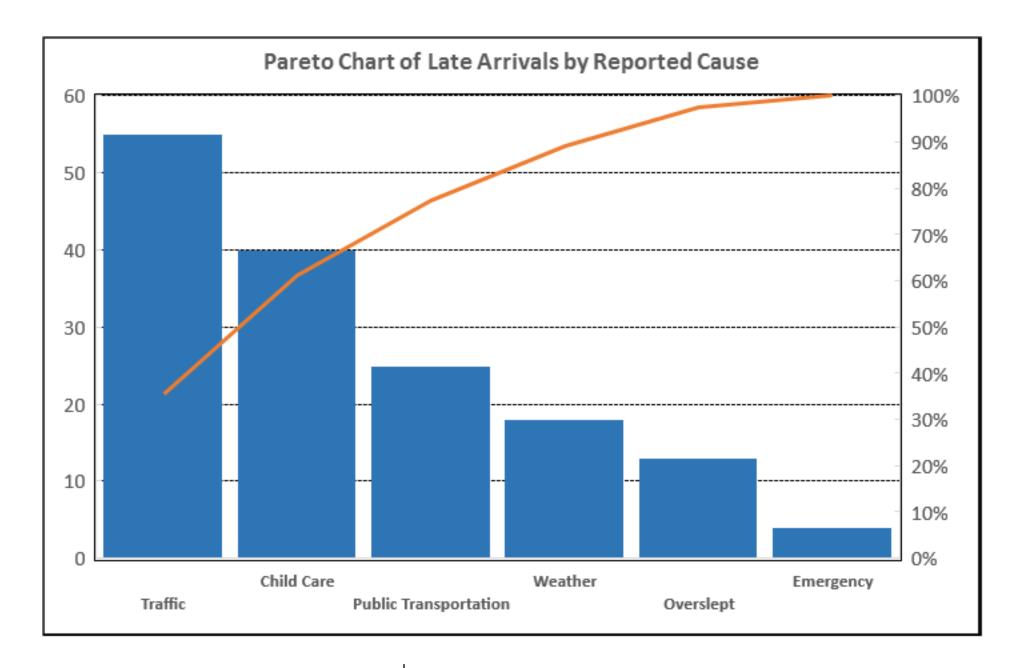








The Pareto Rule



Pareto Chart

List of Reasons for Problem

Gather frequency data on these reasons

Create Pareto Chart

List of Reasons for data on these reasons

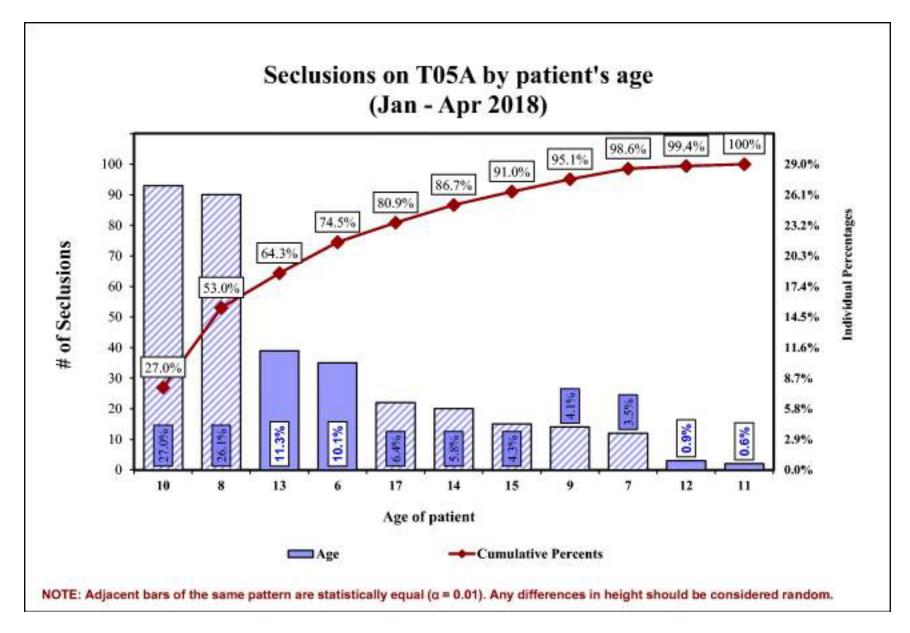
Create Pareto Chart

List of Reasons for data on these reasons

Create Pareto Chart

List of Reasons for data on these problem and/or target Interventions

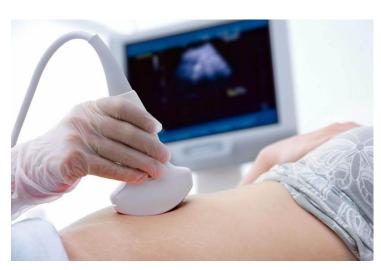
Use to



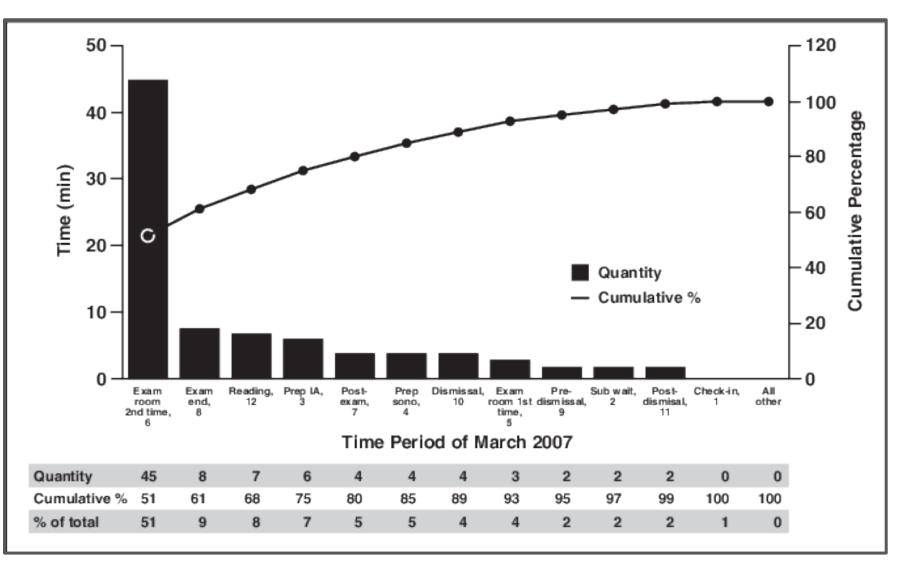
53% of seclusions happen in 8- and 10-year-olds



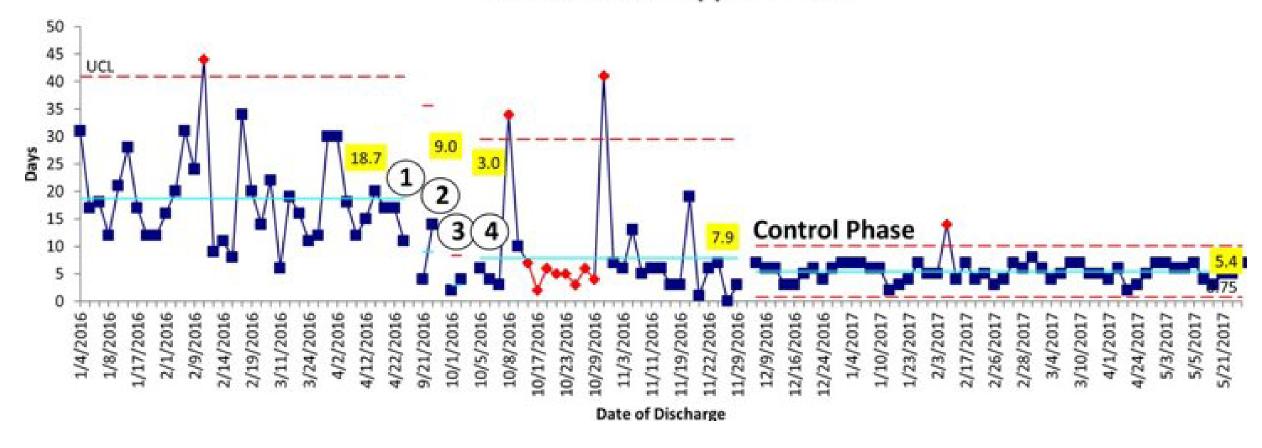
Targeted intervention?



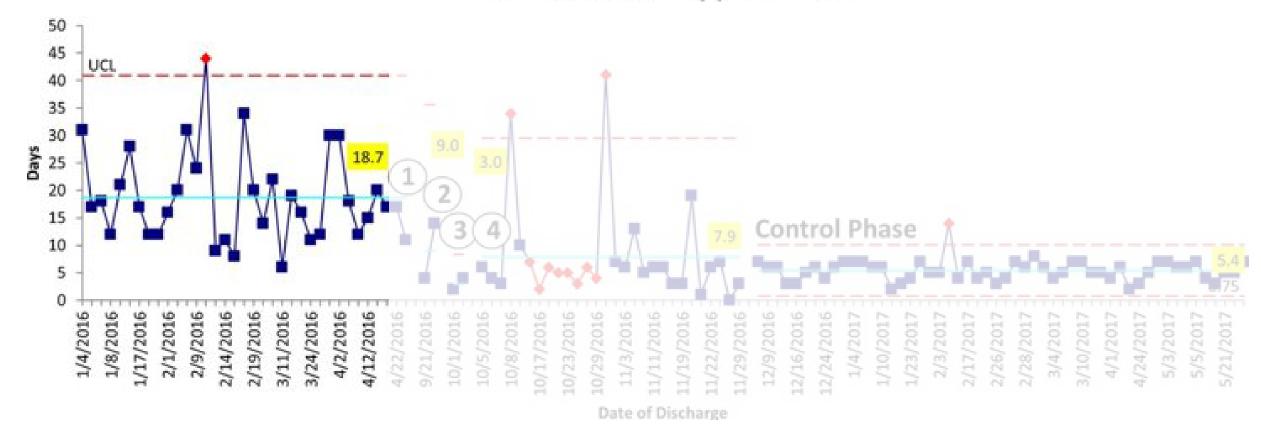
Duration of ultrasound appointment



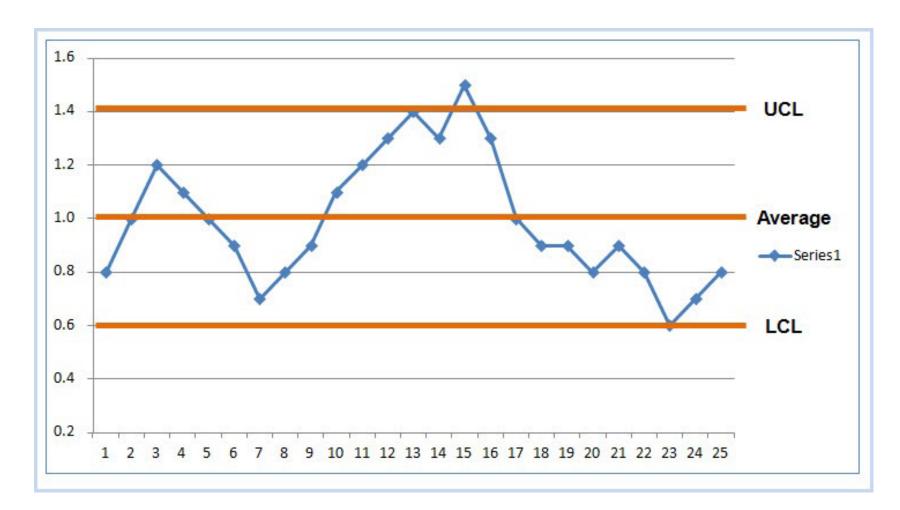
Days from Hospital Discharge to First Scheduled Outpatient Cardiac Rehabilitation Appointment



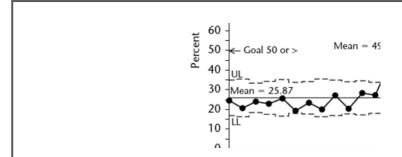
Days from Hospital Discharge to First Scheduled Outpatient Cardiac Rehabilitation Appointment



Start tracking your data over time!!!



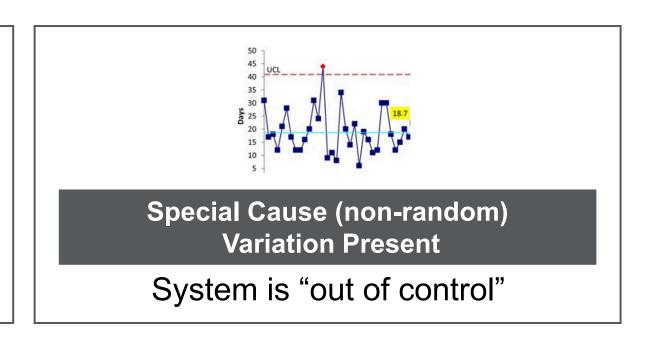
Graphical tools to display data over time are the backbone of QI methodology because they allow team members to understand processes, test hypotheses and learn about intervention effectiveness.



ONLY Common Cause (random/normal) Variation Present

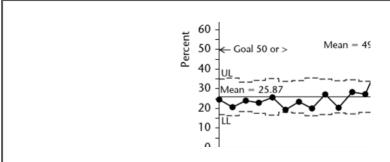
System is "in-control"

= you are incredibly consistent (at being bad)



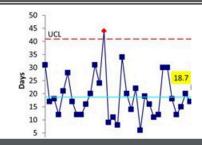
= you are inconsistent(but sometimes you are good)

Assuming you are not at goal...



ONLY Common Cause (random/normal)
Variation Present

System is "in-control"



Special Cause (non-random)
Variation Present

System is "out of control"



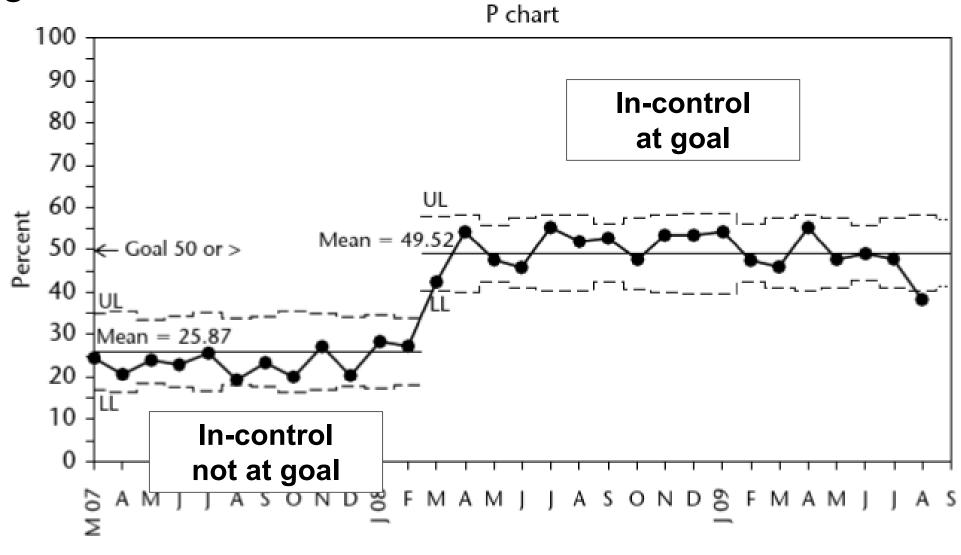
Overhaul the system



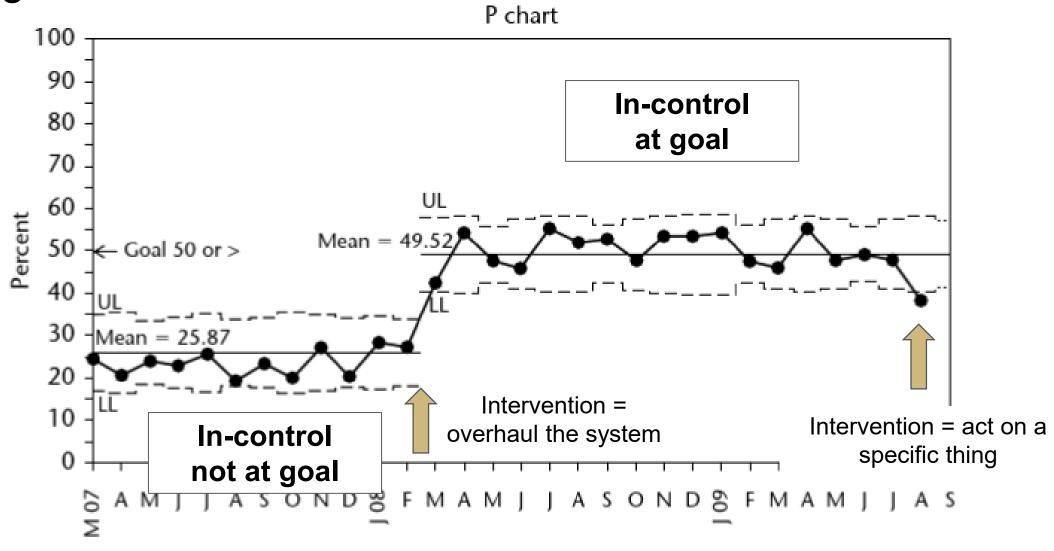
Act on a *specific part* of the system while leaving the system fundamentally intact.



Making Decisions



Making Decisions



Coaching Breakout: Data for Understanding



What data will you put into a pareto chart?

What data will you track over time?

This should include process and likely outcome metrics

10 minutes



Appreciative Debrief

Share with the group 1 thing you found most intriguing from this session

Next Steps

Due – Today

- VoC
- Stakeholder Map
- **Problem Statement**

Due – Session 7, Nov.12, 2024

Process Map

Due – Session 8, Nov. 19, 2024

- **Draft Business Case**
- Complete literature review
- Complete program evaluation/QI/ Research Tool

Due – Session 9, Dec. 3, 2024

- Complete affinity diagram
- Complete Data Collection Plan

Date Assigned	Assignment	Due Date
#1 – Aug. 20, 2024	 Develop group ground rules Complete Leadership Defined Self-assessment 	Review in coaching
#2 – Aug. 27, 2024	No new assignments	
#3 – Sept. 10, 2024	 Complete voice of customer Build stakeholder analysis Develop a problem statement Meet with Dr. Moksha Patel 	#6 – Oct. 22, 2024
	Complete a process map	#7 – Nov. 12, 2024
#4 – Sept. 24, 2024	Reading: Kotter, John. Leading Change: Why Transformation Efforts Fail	#5 – Oct. 8, 2024
	Draft business case	#8 – Nov. 19, 2024
	Complete affinity diagram	#9 – Dec. 3, 2024
#5 – Oct. 8, 2024	Complete Myers-Briggs Assessment	Friday, Oct. 18, 2024
	Complete literature review Complete Program Evaluation/OI/Research Tool	#8 – Nov. 19
#6 – Oct. 22, 2024	Complete data collection plan	#9 – Dec. 3, 2024
#7 – Nov. 12, 2024	Develop/utilize current vision tying to project	#8 – Nov. 19, 2024
#8 – Nov. 19, 2024	Finalize sense of urgency	#9 – Dec. 3, 2024
	DEI ScanComplete Positive Deviance Exercise	#12 – Jan. 28, 2025
#9 – Dec. 3, 2024	 Complete Design Thinking Exercise Develop list of potential interventions Finalize guiding coalition 	#12 – Jan. 28, 2025
#10 – Dec. 10, 2024	Complete aim statement	#11 – Jan. 14, 2025
	Finalize logo	#13 – Feb. 11, 2025
#11 – Jan. 14, 2025	Draft mid-year report out	#12 – Jan. 28, 2025
	Complete pre-mortem assessment Create and implement a communication plan	#13 – Feb. 11, 2025

