Acute Care Productivity
Measurement,
"What about the Patient?"
The Time has Come to Shift
to a Value Based
Measurement System



CSM 2016 Anaheim, CA. Jim Dunleavy PT, DPT, MS

# Outline

- Section Activities to Date
- Propose new definitions for productivity, efficiency, quality and value
- Make the case for a value driven measurement approach
- Share the findings of the acute care section survey
- Present a template of a new measurement tool
- Explore possible clinical and practice management uses for the new tool

# **Section History**

- The Acute Care Section has long recognized the issue for practitioners that the measurement of productivity brings
- The section created its first task force a number of years ago to look into the issue.
  - Survey data
  - Current state analysis

# **Section History**

- In its 2011 Final report:
  - The widely utilized "75% productivity standard may not appropriate due to hospital intrinsic and extrinsic factors"

  - Calls for PT managers to critically examine the productivity measures for PTs and PTAs

    There is a huge variability in measures (units, time, visits, RVUs etc) definitions, sources of measures difficulty in making comparisons or determining what is a useful measure or productivity much less our value
  - There is a huge variety of the application of Medicare Part B rules
  - Productivity must include quality measures patient satisfaction and quality outcomes
  - Healthcare is a business

# From Initial Task Force Report

Productivity Grid

Facility Information	Methods	Expectations	Evaluation Weight
Mid-Atlantic Medical Center Non-Teaching Two facilities = 389 beds total	# worked hours (billable & non- billable staff)/# visits     Consult=15 min (0\$ code for unavailable/ holds)	55-65%	Eval = 1 visit
Mid-Atlantic Medical Center Level 1 Trauma Center 400 beds	# worked hours/ # visits	10 visits/day	Eval = 1 visit
Southwest Community	<ul> <li>15 minute units</li> </ul>	75%, 24 units	Eval = $3 \text{ or } 4$

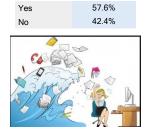
Midwestern Teaching Hospital 550 acute & 26 IRF beds	8 minute rule	68%	Eval based on 15 minute units
Data provided is for acute & IRF combined			
Mid-Atlantic Hospital Non-trauma center – 440 beds	8 minute rule     15 minute units     Dummy charges	2 units/hr in 7.5 hr day	Eval = 1 unit
Midwestern Level 1 Teaching Hospital 493 beds	15 minutes/CPT code	60%	Eval = 15-60 minutes depending on complexity
Southwestern Medical Center Teaching/Level 1 Trauma 600 beds	15 minute units     8 minute rule	18 units	Eval = 3 units
Southwestern Community Hospital 900 beds	15 minute units     8 minute rule     "missed visits" =     0.5 units	units/day)	Eval = based on 15 minute units
Midwestern Community Teaching Hospital 350 beds, 39 bed IRF	15 minute units	65%	Eval = 3 units

# Take Aways

- No one method to determine productivity
  - Impossible to benchmark
- Measurement is staff time (minutes? % etc) in what is defined by "treatment" in each facility
  - How do we as a profession define interventions in acute care?
- Determining the cost of care
  - No mention of the cost in current measures
  - No standard way to measure cost across acute care physical therapy
- Anecdotal evidence that these "measures and benchmarks" are being brought to facilities and applied to all services by outside consultants
- Many different clinical measures being used, so how do they fit into productivity measurement? Do we need to decide on just one?
- Have we done a good job of being "proactive" in measuring our own business and its value to the patient, the facility and the healthcare system?
- .....We must be able to do better!

# Current Status: From Acute Care Survey Feb-March 2015

• Are you using a productivity measurement tool that your admin or an outside consultant requires?



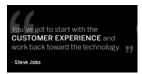
# **Section History**

- Late 2012
  - New Task Force charged with trying to find a way to help members with the issues related to Productivity, building on the work of the first Task Force
- Task Force Members
  - Jim Dunleavy PT, DPT, MS Chair
  - Allen Lee PT, PhD
  - Gina Surgenor PT
  - Lori Pearlmutter PT
  - Mary Pyfferoen PTMaureen Eaton PT
  - Ed Dobrzykowski PT
  - Daniel Dziadura PT
  - Katesel Strimbeck PT
  - Anita Bemis-Dougherty
     PT APTA Staff

# What the Profession is talking about.....

 "Anyone have any references for acute care productivity standards? All I could find was a document on the APTA website referencing a "median number of patients seen per week for clinicians spending 76% or more of their time on direct patient care" (30 by the way). This is from 2009. If anyone knows of any other studies regarding acute care productivity (be it #patients/day, # units billed/day or hours/uos), I would be very grateful. Thanks! "

...from acute care listserv



# Current Status: What are We Measuring?

- From Webster's.....
  - Productivity: the rate at which goods are produced or work is completed
  - <u>Efficiency</u>: the ability to do something or produce something without wasting materials, time, or energy
  - Quality: how good or bad something is
  - Value: to think that (someone or something) is important or useful

"... It's the patient who ultimately determines the value."

# Current Status: What are We Measuring?

- "The PT was very *productive*....but the patient did not get better"
- "The PT was very <u>efficient</u> ....but there was no change in the status of the patient"
- "The PT provided high *quality* care", but not sure if the patient really needed it
- "The patient saw the positive change after PT, indicating they <u>valued</u> the care they received"

The patient has to be at the center of all our measures of care / practice /

# Current Status: Situational Confusion Abounds!

- "I know there are various schools of thought on the face to face time issue. Long story short, when the "8 minute rule" first came out years ago we did follow it to the tee, and our productivity tanked because of it and threatened to lose FTE's. It ended up going to our legal department at that point, and after they reviewed it, they determined we could go back to traditional "billing" practices. Reality is, very few of our patients are solely part B, and even less of those are appropriate for skilled PT intervention. Also, we have no way of knowing when some patients may become part B after the fact. We are a large institution with many layers of billing and management, thus I maggine for the few patients it does impact, these things may be corrected after the fact (way beyond my PT supervisor level:)). If it was a big issue we would have heard about it a long time ago."
- ..."I'm with you. I became manager right after we switched to the 8 minute rule and it has been a struggle ever since." ...from acute care listserv

STOP MAKING IT HARD FOR ME TO CONTINUE DOING WHAT I LOVE

Job Security based on current Methods of Productivity Measurement?
Current Status: The Landscape 2001-2013

- Annual admissions fell slightly to 33.6 million from 33.8 million. But because of plummeting lengths of stay, total patient days fell to 182.4 million from 194.1 million, a 6.4% decline.
- Hospital employment, rose 20% over the same period, from 3.99 million to 4.79 million.

http://www.modernhealthcare.com/article/20150711/MAGAZINE/307119984

Job Security based on current Methods of Productivity Measurement? Current Status: Medicare Part A Rehabilitation Services Interpretive Guidelines

#### • Interpretive Guidelines §482.56

- This is an <u>optional</u> hospital service. However, if a hospital provides any degree of rehabilitative services to its patients, the hospital must comply with the requirements of the Condition of Participation.
- Acceptable standards of practice include compliance with any
  applicable Federal or State laws, regulations or guidelines, as well as
  standards and recommendations promoted by nationally recognized
  professional organizations (e.g., American Physical Therapy
  Association, American Speech and Hearing Association, American
  Occupational Therapy Association, American College of Physicians,
  American Medical Association, etc.).

#### • Interpretive Guidelines §482.56(a)

 The hospital must provide the appropriate equipment and types and numbers of qualified personnel necessary to furnish the rehabilitation services offered by the hospital in accordance with acceptable standards of practice.

# Current Status: Volume Driven Measurement

"I would like to share that looking at my hospital and our sister facilities that the frank number of people in the house is important, but what is really key is how much of that volume we are actually covering. For example, one sister facility runs a census of 140-170 most days and they average 10-20 new evals each day, so essentially 12% of the hospital is supposed to get an eval by PT. At our facility our census is 250-320 and we might have 40-60 new evals each day so that makes it 19%. And that is not counting those patients that we eval, decide they have PT needs and then sign on to follow them. So for our facility we might have active patients in the 75-100 range. Add that to the 60 new evals then we are trying to cover essentially 50% of the hospital."

...from acute care listsery

...How many should we see? Who should we treat? Who should we not treat? What intensity of Service? What's the outcome/value to patient-facility-healthcare system?

# New element of Current Status Bundled Payment

- TJR Bundled payment based on an episode of care
- Rewarded for value
- Many more to come



# Current Status: Measuring/Benchmarking in the Dark....

 We have just been told that we are now going to be compared to other "similar" facilities using xxxxxx, but they have declined to tell us which facilities we are being compared to.

I would appreciate some truthful and honest feedback about xxxxx.

Do you know what facilities you are matched with? Do you feel that the stats accurate reflect your performance and, dare I say, productivity?

How do you weigh evals? Do you do 15 minute increments weighted as "1", or is a single charge, one time weight of say "4" equivalent to 60 minutes of time? Do your reevals weigh 2 or 3?

And any additional information you would feel helpful in this conversation would be appreciated. ...from acute care listserv

# **Stress Reduction Kit**



- Directions:

  1. Place kit on FIRM surface.
- Follow directions in circle of kit.
   Repeat step 2 as necessary, or until unconscious.
   If unconscious, cease stress reduction activity.

# "I'm Not Going to Take It Anymore!



# Variables and more Variables

- Measurement tools
- What to Measure? Time? Patient outcome? LOS? Time with patient?
- Benchmarks? Sources?
- Variable definitions?
- Variation in Practice and case mixes?
- What is our value in this setting?
- What is our value to the **facility** the **patient** the healthcare system?
- Should we even be here?

"We can't solve problems by using the same kind of thinking we used when we created them." – <u>Albert Einstein</u>



# Task Force Initial Activity – Trying to get our arms around it

- Establish Assumptions
- Establish Goals
- Create a Position Statement
- Change current language/definitions and create consistency around physical therapy productivity/value
  - Understandable by many stakeholders
- Develop a model to measure the value of acute care physical therapy that is valid, reliable and usable by
- Can be used with multiple outcome measures

# **Establish Assumptions**

- Physical Therapy has value to the patient, the hospital and the healthcare system in the acute care practice setting
  - Areas of Practice identified as having value:
    - Early determination of appropriate next level of care
    - Validity and timeliness of discharge recommendations
    - Decrease cost of ICU Stays
    - Impact on LOS
    - Decreased variation of practice
    - Patient / Family / Caregiver / staff education

    - Consultation services
       Identification of at risk for readmission cases based on current versus previous level of function

    - Avoid unnecessary admissions/readmissions in ER

# **Establish Assumptions**

- In acute care our value is not driven solely by revenue but rather the value we bring to:
  - The patient:
  - cost effective, timely, clinical outcomes
  - The healthcare facility:
    - early determination of next level of care
    - identifying potential readmissions before they leave the first
    - managing the cost of our interventions
      - Severity of patient condition
    - Intensity of our intervention
  - The healthcare system as a whole:
    - by providing care at the level of value that meets the patient goals and that the patient proceeds seamlessly to other levels of care
    - Right care-right patient-right time (Berwick)
    - Effective transition of care decision making

# **Establish Assumptions**

• Value:

Value should always be defined around the customer, and in a well-functioning health care system, the creation of value for patients should determine the rewards for all other actors in the system. Since value depends on results, not inputs, value in health care is measured by the outcomes achieved, not the volume of services delivered, and shifting focus from volume to value is a central challenge. Nor is value measured by the process of care used; process measurement and improvement are important tactics but are no substitutes for measuring outcomes and costs.\*



\*Porter ME, What is Value in Healthcare, NEJM Perspective, December 23, 2010

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# **Task Force Goals**

- Utilizing our assumptions that helped to define a new paradigm of acute care <u>value</u> (formerly known as "productivity") measurement
  - Create a position Statement on Value/Productivity Measurement in Acute Care Practice that can be used by practitioners in dealing with non clinical professionals and colleagues alike
  - Standardize definitions to create a common language one that is understood by:
    - Hospital administrations esp. Finance
    - Other healthcare professionals
    - Our colleagues
  - Create a measurement process that can be used in all acute care settings that links the cost of care provided to a value measure that demonstrates:
    - Or value to achieving the patient's outcome
    - Our value to the Hospital
    - Our value to the healthcare system

# **Task Force Goals**

Develop and test a model, the result of which blends cost, severity and intensity of physical therapy care with the patient's outcome that produces a measure that it understood by Practitioners, Administrators and Financial professionals as a true measure of the value of acute care physical therapy services



### **Position Statement**

# **Productivity Measurement in Acute Care Physical Therapy**

The measurement of productivity in Acute Care Physical Therapy practice requires a unique system which captures the value of our care to the patient, as well as our value to the facility and the healthcare system.

The value for acute care physical therapy services must take into account the patient's needs that drive the goals of treatment and the intensity/cost of those services required to meet those goals which can only be achieved by our unique interventions.

Productivity, measured solely as a percentage of daily staff time engaged in direct clinical activity holds little value for the true stakeholders of our care.

A blended measurement system that encompasses the patient's severity, patient defined outcomes, as well as the cost of the care that meets those outcomes is the best way to determine the value of acute care physical therapy services to the patient, the facility and the healthcare system.

http://www.acutept.org/

#### Shifting Language and Debunking the Myths

- CPT Codes:
  - While Hospitals will continue to run on CPT code structures for cost reporting etc.
    - CPT codes/definitions/rules are best suited to the outpatient environment and do not serve as a good productivity statistical tool
  - Current definitions/codes not sensitive to patient severity
  - Current definitions and codes not sensitive to costs of the interventions we provide
  - Current definitions and codes not sensitive to intensity of the interventions we provide
- Educate other care givers: We generate no revenue (except Part B)
- The terms "billable" and "charges are inaccurate
  - We are actually capturing "costs" in an antiquated way (charge master)
  - Our "cost capture inputs" are contributions to cost reporting
- Adopt PTCPS language for severity and intervention



# The Basis for Financial Life in Acute Care....Whoaa?

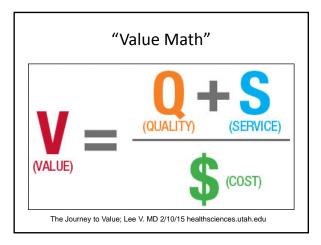
 "Asked by a wall street journal reporter to explain how U.S. hospitals price their services, William McGowan, chief financial officer of the University of California, Davis, Health System and thirty-year veteran of hospital financing, responded: "There is no method to this madness. As we went through the years, we had these cockamamie formulas. We multiplied our costs to set our charges."[1]

The Pricing of U.S. Hospital Services: Chaos Behind A Veil of Secrecy Uwe E. Reinhardt Health Affairs. 2006;25(1):57-69

# Shifting Language and Debunking the Myths

- The value of Acute care physical therapy is measured by comparing its cost in a way that is sensitive to
  - patient severity
  - service Intensity
  - Patient progress towards goals
- Goals set in acute care should be for the acute care stay and measured by a valid/reliable tool
- The value of our care should include the cost of providing services in all professional activities ie: rounding, clinical meetings, education etc.
- Measurement of value should be done sensitive to specific patient populations (ie Ortho, Neuro etc)
- Classifying patients by their defined "severity" and our treatment defined by the "intensity" of the intervention





# Decrease Variation in Practice – Working Definitions

#### Goals

 Statements representing the expectation of the condition of the patient at the time of discharge from acute care

#### • Prognosis:

 The determination of the next level of care as defined in part by the severity of the case and the intensity of the service needed to produce meaningful change in the patient's condition

### • Severity

- "Lets not reinvent the wheel"
  - APTA Severity classification system: <u>www.apta.org/PTCPS/</u>

# Working Definitions Severity:

# defined by patient condition and professional judgment

- Patient safety
- Age
- Time since Onset
- Clinical Presentation
- Mechanism of injury/illness
- Current condition
- Pre-morbid functional level
- Intervention
- Current functional level
- Co morbidity impact on function
- Cognition
- Goals time to achieve
- Home environment
- Psychosocial support
- Prognosis
- Patient motivation
- Progression
- Probable outcome

Criteria	Lower Severity	4	-	Higher Severity
Patient Safety	Safe/adequate safety to meet patient's needs	-	<b>→</b>	not safe/ho issight/nut safe to meet patient's needs
Age	no concerns related to age/irrelevant to condition	4	-	age likely to impact outcome/highly relevant
Time since enset	Intervention well timed to need	-	-	Sing likely to impact care
Clinical presentation	Straightforward/well circumscribed	-	-	elinical presentation evolving
Mechanism of injury/diness	Well defined	4	->	secertain
Current condition	stable	-	->	unstable. Fluctuating/recurrent
Premorbid functional level	high/stable/sufficient to patient's needs	-	-	low/significant change to current/esis- matched to patient's needs
Current functional level	high/stable/sufficient to patient's needs	4	-	low/ significant change to premorbid/ mismatched to patient's needs
Comorbidity impact on function	lew impact on function	-	-	high impact on function
Cognition	intactino impectisufficient to patient's needs	-	->	impaired/significant impact/insufficient to patient's needs
Physical environment	no concerns/appropriately matched to current and future needs	-	-	Uncertain/significant barrier
Psychosocial support	no concerns/ appropriately matched to current and future needs	-	->	Uncertain/significant concerns needs
Goals	directly related to therapist centrol	-	->	outside of therapist control
Goal agreement	high agreement between patient/PT	-	-	low agreement between patient/PT
Time to achieve goals	certain/short	-	->-	encertain/long/highly variable
Prognesis	goodicertain	-	-	encertain/highly variable
Patient mond/motivation	unrelated to goal achievement/motivated	-	->	essential to goal/not motivated
Intervention	known/effective	-	->	uncertain/questionable
Risk of procedure	low	4	-	high
Progression	fast/consistent/predictable	4	-	slow/variable/unpredictable
Probable outcome	certain/predictable	4-		uncertain/variable

# A Comment from a P.T. on "Intervention"

"It is my opinion that direct patient care is definition of interventional care. However, these meetings with physicians, social workers, families, patients, discharge planning, and rounds are a vital part of optimal patient care and these things are necessary. But most times because these meetings are not billable time these meetings count against "productivity" time. So in efforts to increase "productive" time, therapy staff are taken out of these meetings and a portion of the patient's complete picture is eliminated; in turn, making patient's picture more like a puzzle missing a piece—useless."

Task Force Response: ..... 100% agreement

# Intervention – "So how much is that bill?"

"I'm wondering how you can bill for documentation and conference time. I know in acute care we don't actually "bill" typically and I would love to be able to capture all the time we do spend on the care of these patients. However, we do have some part b patients, and some that that after D/C end up being part b, such as when they have used up all their part A benefits. Because there is a chance that they could be billed, we follow Medicare 8 minute rule, and all other "face to face" rules of Medicare. Is that not a concern of yours?"



# Working Definitions: Expanding "Intervention"

# • Intervention :

- The amount of time, which is spent in direct contact with the patient:
  - Input into Hospital charge system:
    - Direct treatment (CPT)

#### And...

- Documentation of care
- Education of patient/family
- Time spent in care planning
  - Rounding, clinical team meetings etc

# Development of a new measure Blending cost, intensity, severity and patient outcome

# • From Position Statement:

- "The value for physical therapy care must take into consideration the patient's needs that drive the clinical outcomes, and the intensity/cost of those services required to meet those outcomes that can only be achieved by our unique interventions."
- We need to use valid, reliable clinical measures that can be aligned with the cost of providing care

# Task Force Proposal - Measured Value The cost of creating 1 pt. of measurement change P.T. Value to the patient hospital system Align total cost of visits to measurement of change Align cost to intensity/severity per visit


# **Determining Your Practice Cost**

- Time Driven Activity Based Costing (TDABC) Approach\*
  - Relatively easy to do
  - Can be adjusted as situations change
  - Allows for variations of cost capture in different facilities
  - Can be utilized in all acute care settings
  - A language Admin/Finance will understand

\*Kaplan R., Porter ME, How to solve the Cost Crisis in Healthcare, Harvard Business Review, September 2011

F	lements	٥f	Practice	Cost

- Pd hrs/day
- Pd Hrs/year
- Hourly pay rate
- Benefit Percentage
- Supervisory Salary
- # staff Supervised
- Support staff Salary
- Operating budget

- Vacation/benefit time
- Breaks/lunchtime per
- Sched. Time for notes
- Square feet?????

# **Determining Cost**

	Yor	Sheet
Pd hours/day	7	5
# Pd Days per Year	26	0
#hrs pd per year	195	0
Compensation Hourly rate:	\$ 35.00	
Benefit Percentage	20	2
Supervisory Salary	\$ 80,000	
# staff supervised		8
Support staff Salary	\$ 20,000	
Acute care expense budget	\$ 1,500	
Vacation/sick/holidays	21	
Breaks/Lunch time per day	1.00	hrs
Est time/day sched, Paperwork	0.30	hrs


# Determining Cost Cost of a PT Compensation/Benefits \$ 81,300 Supervision Cost \$ 10,000 (\$ supervisory Salary/#staff) Tech/Support \$ 2,688 (saute care materials budget + support staff salary/#staff Yearly Cost: \$ 34,587.50 Moathly Cost: \$ 7,882.29

	Determi	ווווא נטאו
		8 0030
	Resource Ava	ilability/Days
Start/year	365	days
Total Weekend Days worked/yr		,
Weekend days off	52	
Vacation/sick/holiday days	28	days
total days off	80	days
Total days/yr available	285	days
Total days/mo Available	23,75	days
Start/day	Resource 7.50	
Charblelon		
breaks/lunch	1.00	hrs
sched set up/education/mtgs	0.30	hrs (est of paper/ins time, education time, mtg time per day
Total non available hrs	1.30	hrs
ailable resource time/day	6.20	hrs
Resource hours/month	147.25	hrs
Cost of Resource		
Cost of Resource per 15 mins	\$ 13.38	
per 15 mins	\$ 26.76	

	TOABC Approach		
	Instructions: Fill in the s	ratees on the work she	at based on your practice. As you do, the rest will sate calcula
		Was	à âbert.
	Pd hours/day		15
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done veerly or ce	Weekend days off		50
done yearly or as	Vacation/rich/holiday days notal days off		9 days 80 days
II	Total daysiye available		or days Of days
factors change	Total degrées Available		S Ogr
			s.Hems/Day
	Start/day breske/lanch		50 My
	actived and up/odivisation/mage		20 Are (set of paper factions, advertion time, may time per dur)
	Total non available bro		20 brs
	silable recource time/day		10 tra
	Reserve bourstweeth		15 by
	Cost of Resource		
	per 15 mine	\$ 13.30	
	Per 30 mins	3 26.70	
	Per 45 Mino	1 40.8	
	Per 60 mins	\$ 53.53	3

# Were we off the Mark?

- We wanted to see if our approach, definitions and potential outcome tool elements were understood and generally accepted by practitioners most likely to
- Survey of membership in Feb-March 2015
- 591 respondents
  - 98% PT 2% PTA
    - 52.4% Staff PT
    - 9.8% Supervisor
    - 31.5% Manager/Director
    - 53 respondents labeled themselves under 30+ other job titles
  - 77% had 5-20+ years experience in acute care

# Acute Care Survey Feb-March 2015

• What is your opinion of the measurement of cost item (previous slides)

A. The list of items is generally complete	77.5%
B. The list of items is incomplete, and requires additional items	11.9%
C. The list of items is too comprehensive, and certain items can be dropped	9.3%
D. Measurement of the calculation of cost of acute care physical therapy is unnecessary	1.2%
If you selected B or C, please tell us what items should be removed (124 suggestions)	added or

B&C: many mentioned sq. ft., student teaching, orientation and training costs, Staff Educ \$,

# Cost by Severity APTA PTCPS

Eval: Chart Review - Tests and Measures		
	Mins*	Cost**
Low Complexity Evaluation	15	\$ 13.38
Moderate Severity Evaluation	30	\$ 26.76
High Complexity Evaluation	45	\$ 40.15
Interventions incl: charting/Clinical Mtgs)	UP to	
	<u>mins</u>	
low severity - limited intervention	30	\$ 26.76
moderate severity - limited intervention	30	\$ 26.76
High Severity - Limited intervention	30	\$ 26.76
low severity - moderate intervention	31-45	\$ 40.15
moderate severity - moderate intervention	31-45	\$ 40.15
High Severity - moderate intervention	31-45	\$ 40.15
low severity - significant intervention	46-60	\$ 53.53
moderate severity - Significant intervention	46-60	\$ 53.53
High Severity - Significant intervention	46-60	\$ 53.53
Barbara from ADTA deficial con		
* taken from APTA definitions		
** From Acute care resource tab		

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Criteria	Lower Severity	$\leftarrow$	Higher Severity
Patient Safety	Safe/adequate safety to meet patient's needs	←>	not safe/no insight/not safe to meet patient's needs
Age	no concerns related to age/irrelevant to condition	$\longleftrightarrow$	age likely to impact outcome/highly relevant
Time since onset	Intervention well timed to need	<b>←</b>	timing likely to impact care
Clinical presentation	Straightforward/well circumscribed	←>	clinical presentation evolving
Mechanism of injury/illness	Well defined	←>	un certain
Current condition	stable	←>	unstable/fluctuating/recurrent
Premorbid functional level	high/stable/sufficient to patient's needs	←>	low/significant change to current/mis- matched to patient's needs
Current functional level	high/stable/sufficient to patient's needs	←>	low/significant change to premorbid/ mismatched to patient's needs
Comorbidity impact on function	low impact on function	←>	high impact on function
Cognition	intact/no impact/sufficient to patient's needs	←→	impaired/significant impact/insufficient to patient's needs
Physical environment	no concerns/appropriately matched to current and future needs	←→	Uncertain/significant barrier
Psychosocial support	no concerns/ appropriately matched to current and future needs	$\leftarrow$	Un certain/significant concerns needs
Goals	directly related to therapist control	←>	outside of therapist control
Goal agreement	high agreement between patient/PT	<b>←</b>	low agreement between patient/PT
Time to achieve goals	certain/short	←>	un certain/long/highly variable
Prognosis	good/certain	<b>←</b>	un certain/highly variable
Patient mood/motivation	unrelated to goal achievement/motivated	$\leftarrow$	essential to goal/not motivated
Intervention	known/effective	<b>←</b>	un certain/questionable
Risk of procedure	low	$\leftarrow \rightarrow$	high
Progression	fast/consistent/predictable	<b>←</b> →	slow/variable/unpredictable
Probable outcome	certain/predictable	<b>←→</b>	un certain/variable

# Acute Care Survey Feb-March 2015

• Question asking whether the severity chart meets the needs in acute care PT

A. Applies well to determining a severity level for acute care patients as is	74.5%
B. Applies well to determining a severity level for acute care patients with revisions	18.1%
C. Would not apply well to determining a severity level for acute care patients	7.2%
* If you answered A or B, please answer question 10, otherwise proceed to question 11	0.2%

About 21 % seem to want additional definition of "moderate" Intensity

# Acute Care Survey Feb-March 2015

• When setting goals for an acute care patient, you are:

Α.	Defining the expected outcome(s) to be achieved at discharge from acute care	81.5%
В.	Defining the expected outcome(s) to be achieved upon discharge from a post acute setting (acute, sub acute, Home care)	13.1%
C	Defining the expected outcome(s) to be achieved upon going home without additional services	2.4%
D.	Defining the expected outcome(s) to be achieved upon conclusion of all the above plus outpatient physical therapy	2.9%

TF Goal Definition:

Statements representing the expectation of the condition of the patient at the time of discharge from acute care

# Acute Care Survey Feb-March 2015

• Do you determine a prognosis for your patient?

Yes 79.3% No 19.1%

• When determining the prognosis you are defining:

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A. The next level of care after acute care discharge	59.8%
B. The functional level of the patient upon discharge from post acute care	20.2%
C. The functional level of the patient upon discharge from all services including outpatient physical therapy	10.8%
D. None of the above	7.9%
<ul> <li>If you selected D please tell us what you do use to define prognosis:</li> </ul>	1.3%

Task Force Definition: Prognosis: The determination of the next level of care as defined in part by the severity of the case and the intensity of the service provided that produces a change in the patient's condition

# Acute Care Survey Feb-March 2015

TF Def: Intervention: The amount of time, which is spent in direct contact with the patient and in addition the time spent in Documentation of care, Education of patient/family, Time spent in care planning, Rounding, clinical team meetings etc

Patient rounding 0.0%
Meetings with social service, care coordination, nursing, patient's family,  D/C planning  1.4%
All of the above 71.8%
None of the above 0.0%
Other: Please describe 3.2%

Other: be sure to inc. documentation, chart review, collab. w/MD-RN, Family, D/C planning,

# ....and more variability

- "My hospital is currently going through an audit on productivity/efficiency for our acute therapy department. We currently use man hour/stat. I want to know what standard you guys use and how many visits and/or patients your therapists see per day in acute care. Any info would be appreciated as we go through this audit."
- "They see 7-9 pts/8 hr day typically. We have had a long-standing target of 19-24 billed units/day, but it has been getting more challenging for staff to hit this target. I noticed that many are counting evals as 1 or 2 units are people finding that evals are being done in 15-30 min.? It seems to be taking 45-60 min. here."

# Acute Care Survey Feb-March 2015

• What is your productivity Measure?

Visits	36.1%
CPT Code Counts	18.6%
Units of time per visit (15 minutes)	70.0%
Relative value units (RVUs)	17.0%
None of the above	2.0%
All of the above	2.2%
Other: Please describe	7.0%

Other: APC Value weights, avg charge, BTU= 1 min., Time efficient: 59.375%, procedures per visit, Rule of "8"s, "stat assigned by outside consultant

# Acute Care Survey Feb-March 2015

• Which of the following Measures are You Using (Select all that Apply)

Acute Care Index of Function	3.0%
AMPAC-6clicks	40.6%
Functional independence measure (FIM)	26.7%
Home Grown measure	5.2%
We do not use any clinical measures	26.3%
Other: Please list the measure(s) you are using	21.4%

Other: 10 min walk, times up and go, Tinetti, Berg, Barthel, Modified FIM, Elderly Mobility Scale, DGI, "FIMish", FOTO, FSS-ICU, Gait Speed, Kansas,

# Acute Care Survey Feb-March 2015

• What is your value measurement in Acute Care?

Functional outcomes of individual patients	30.3%
Functional outcomes of patient populations (Ortho, Neuro, etc.)	17.9%
Acute care P.T. impact on LOS	28.6%
Discharge disposition (home, SNF, IRF, HH, LTAH)	29.3%
We do not use any value measures	40.8%
Other: please describe	6.9%

Other: AM-PACS, pt. Satisf., measure ortho only, response time to referral, how to measure PT impact on LOS, G codes on observ. Pts.,

"We do complete outcome tools, yet our management hasn't been collecting the data"

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# In your opinion how would you rate the following data elements to help determine value/ productivity in acute care PT?

Answer Options	Not important at all	Some what Unimp ortant	Neutr al	Some what Import ant	Very Importa nt
Diagnosis	8	11	39	261	259(5)
Severity	4	1	12	125	439 (1)
Intensity of treatment measured by the amount of time spent in treatment	6	25	66	201	283 (4)
# visits per case to achieve goals	10	33	136	226	175(7)
Measurement of functional improvement	3	4	54	203	311(2)
* Cost per 1 point change in measurement tool	29	56	232	181	76(11)
**Total cost of acute PT care	12	41	141	219	161(8)
Date of admission	63	69	156	192	98(10)
Date of start of PT	22	37	99	222	199(6)
Discharge date	44	41	123	209	153(9)
Length of stay	5	13	48	226	288(3)

# Acute Care Survey Feb-March 2015

• Do you use an EMR in Acute Care?

Yes	95.1%
No	4.9%

Which EMR are you Using in Acute Care?

McKesson         5.6%           Cerner         20.1%	Clinic	linicalWorks		0.2%	
Cerner 20.1%	cKes	:Kesson		5.6%	
	erner	rner		20.1%	
Epic 34.2%	pic	ic		34.2%	
Athena Health 0.2%	thena	nena Health		0.2%	
Allscripts: Eclipsys-Sunrise Clinical Manager 7.5%	Ilscrip	scripts: Eclipsys-Sunrise Clinical Ma	anager	7.5%	
GE Healthcare 1.6%	E Hea	Healthcare		1.6%	
Other (please list) 30.6%	ther (	ner (please list)		30.6%	

# Clinical Measures Acute Care Index of function

- Valid / Reliable tool
- Simple to use and program into documentation software
- Used with neurological, cardiopulmonary and lower extremity orthopedic cases\*

"VanDillen IR, Roach KE, Reliability and validity of the Acute Care Index of Function for patients with neurologic impairment,
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"Roach KE, Ally D, Finstry B et al., The relationship between duration of physical therapy 1988 and in Index Chainage in Index Only Index Deliability of the Company of the Compan

"Develop a model to measure the value of acute care physical therapy that is valid, reliable and usable by all that *Can be used with multiple outcome measures"* 

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So if we have a tool to
neasure our cost and a
ool that measures clinical
performancecan they be
prought together to give us
neaningful data?
J

# Measure of Value - ACIF

		L			Initial	Final			Cos	t per 1pt
tions incl: charting/Clinical Mtgs)	UP to	Re	source		ACIF	ACIF			of	change
	mins	1	Cost	# Visits	score	score	chg	Total cost		Value
rity - limited intervention	30	\$	33.26	5	75	100	25	\$ 166.30	\$	6.6
e severity - limited intervention	30	\$	33.26	5	50	60	10	\$ 166.30	\$	16.6
erity - Limited intervention	30	\$	33.26	5	10	100	90	\$ 166.30	\$	1.8
rity - moderate intervention	31-45	\$	49.89	5	75	100	25	\$ 249.45	\$	9.9
e severity - moderate intervention	31-45	\$	49.89	5	50	60	10	\$ 249.45	\$	24.
erity - moderate intervention	31-45	\$	49.89	5	10	100	90	\$ 249.45	\$	2.
rity - significant intervention	46-60	\$	66.51	5	75	100	25	\$ 332.55	\$	13.
e severity - Significant intervention	46-60	\$	66.51	5	50	60	10	\$ 332.55	\$	33.
erity - Significant intervention	46-60	\$	66.51	5	10	100	90	\$ 332.55	\$	3.
		verity diginiteditementation	renty significant intervention	renty biginiteant intervention	renty diginited intervention	Tenty digitited the tention 50	Tenty diginited the recition 30 00	Terrey digital care and a second seco	renty significant intervention	Tenty Significant metrecinion

# Definition AM-PAC Boston "6-Clicks"

- Valid Reliable Tool
- Shorter tool
- Does not include measures for mental status/wheelchair function
  - Will this be a limitation to use with discharge planning?

"Develop a model to measure the value of acute care physical therapy that is valid, reliable and usable by all that *Can be used with multiple outcome measures"* 



Validity of the AM-PAC "6-Clicks" Inpatient Daily Activity and Basic Mobility Short Forms Diane U. Jette, Mary Stipher, Vinoth K. Ranganathan, Sandra D. Passek, Frederick S. Frost and Alan M. Jette PHYS THER. Published or

# AMP-PAC Boston "6-Clicks" Appendix 1. \*G-Clicks" inputient Basic Mobility Short Forms\* | Please clock the base that reflects pure (the patient's) best answer to each question. | Unable | A Let | A Little | Name | Name and difficulty dises the special correctly leves ... | 1. Turning uses in had first-lading eligioling inductions, dents, and induction; | Ch. | Ch. | Ch. | Ch. | Ch. | | 2. String dises and disease great instance where, and induction; | Ch. | Ch. | Ch. | Ch. | | 3. String dises and disease great instance where, and induction; | Ch. | Ch. | Ch. | | 4. String dises and string on the last of the test of the t

#### Measure of Value? - AM-PAC Boston "6-Clicks" Cost per 1pt Interventions incl: charting/Clinical Mtgs) UP to Resource AM-PAC AM-PAC of change Minins Cost # Visits score score chg Total cost Value 30 \$ 33.26 5 20 24 4 \$ 166.30 \$ 41.58 30 \$ 33.26 5 12 20 8 \$ 166.30 \$ 20.79 4 low severity - limited intervention 30 \$ 33.26 5 moderate severity - limited intervention 30 \$ 33.26 6 High Severity - Limited intervention \$ 166.30 \$ \$ 249.45 \$ \$ 249.45 \$ 30 \$ 33.26 31-45 \$ 49.89 7 low severity - moderate intervention 8 moderate severity - moderate intervention 20 12 24 20 62.36 9 High Severity - moderate intervention 31-45 \$ 49.89 \$ 249.45 \$ 41.58 \$ 332.55 \$ 10 low severity - significant intervention 11 moderate severity - Significant intervention 20 24 12 20 6 12 46-60 \$ 66.51 \$ 332.55 \$ 41.57 12 High Severity - Significant intervention 46-60 \$ 66.51 6 \$ 332.55 \$ 55.43

# Issues / Discussion

- Appears comparable between acute care practices using same functional measurement tools
- Will need to establish benchmarks
- Current application platform (excel spreadsheet) cumbersome

# **Potential Uses**

- Determine value of our service by patient population type
  - Questions it can help answer:
    - What types of cases do we bring the greatest value to?
    - Are there types of patients that gain little to no value from our care?
    - Will it prove our value in all patient populations?

       Who needs us Who does not?
    - Will it give us information to change staffing patterns to meet high/low value patient populations?
    - Assist in determining Prognosis of patient function?
    - Assist in determining FTE enhancement retraction
    - Effect of patient severity on intensity of our services
    - Data to assist in decreasing variability of practice

# **Potential Uses**

- Can determine if higher or lower intensity results in the same clinical outcome and its effect on cost
- Begin to classify cases by severity and then have data to support studies related to patient discharge and readmission
- Enhance the understanding of our value by admin/finance in staffing discussions
- Appears to be able to utilize existing multiple existing clinical measurement tools

# Imagine if we had the Data...

 "Does your facility/hospital use any criteria for labeling referrals for PT eval inappropriate so that the PT does not have to proceed with the eval?

Appreciate any input in this matter. '

...from acute care listserv

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# Summary

- Physical Therapy, our patients and the facilities where we practice are best served with a blended approach to measurement that focuses on value
- Cost, patient severity, treatment intensity and the patient's outcomes must be part of that blended measure
- We must standardize our terms
- We must identify where we bring and where we do not bring value to the patient, the facility and the healthcare system
- We must measure our value in a way that is understandable to different stake holders
- We must be the catalysts of the change, we cannot wait for others to "do it to us"

# Summary

- Task Force Next Steps:
  - Pilot test different patient populations (now)
  - Pilot test using other outcome measurement tools (now)
- If Pilots are successful:
  - Software Solution
  - Teach utilization of the tool to membership
  - Conferences / Cont. Ed

# Task Force Proposal - Measured Value The cost of Determine creating 1 pt. of the cost of measurement change P.T. Value to the patient -hospital -system Align total cost of Align cost to visits to intensity/severity measurement of per visit change



# Acute Care Section Value / Productivity Round Table

Saturday February 20, 2016 8-10am Hilton Anaheim – Mezzanine Room 5



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