

DEFINING THE BEST CLINICAL TRANSITIONS
THROUGH THE CONTINUUM OF CARE



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DISCLOSURE

DR SALTSMAN IS A SIMPLE, COUNTRY GERIATRICIAN
IN HIS OWN WORLD

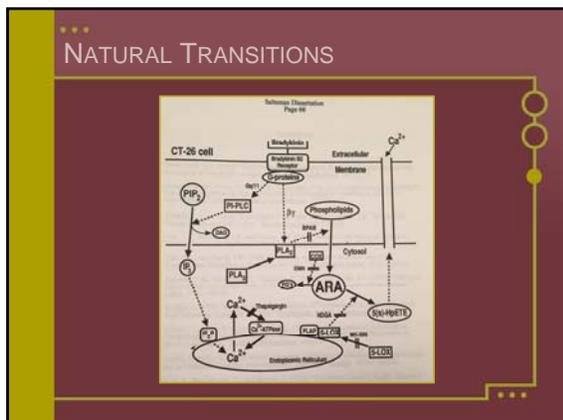
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DR SALTSMAN IS A SIMPLE, COUNTRY GERIATRICIAN
IN HIS OWN WORLD



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- ### THE PATHS OF LEAST RESISTANCE
- (WHY THE CONTINUUM NEEDS ATTENTION)
- IT IS SO MUCH EASIER TO:
1. ORDER A TEST
 2. TREAT THE RESULT AND NOT THE PATIENT
 3. SEND A PATIENT TO THE EMERGENCY ROOM
 4. ADMIT A PATIENT FROM THE EMERGENCY ROOM
 5. NOT TALK WITH PATIENTS AND FAMILIES
 6. WRITE A BRIEF DISCHARGE SUMMARY
 7. MAINTAIN THE STATUS QUO ON MEDICATIONS
 8. ASSUME OUR COLLEAGUES WILL UNDERSTAND (EVERYTHING)
 9. NOT CONSIDER PALLIATIVE AND HOSPICE CARE
 10. CONTINUE CARE WITHIN SILOS

THE ART OF MEDICINE

DO UNTO OTHERS
AS YOU WOULD HAVE OTHERS
DO UNTO YOUR GRANDMOTHER
--GERIATRIC GOLDEN RULE

DO THE RIGHT THING.
IT WILL GRATIFY SOME PEOPLE
AND ASTONISH THE REST.
--MARK TWAIN

OBJECTIVES

1. UNDERSTAND HOW THE HEALTHCARE SYSTEM HAS EVOLVED TO MANDATE HIGH-VALUE, QUALITY, AND PATIENT-CENTERED CARE
2. APPRECIATE THE IMPORTANCE OF COMMUNICATION AND EDUCATION WITH PATIENTS/FAMILIES/COLLEAGUES AS PATIENTS TRANSITION THROUGH THE CONTINUUM
3. APPRECIATE THE ROLE OF POST-ACUTE CARE WITHIN THE CONTINUUM OF CARE (IE. ITS NOT ALL ABOUT THE HOSPITAL)

AGING AND SURVIVAL

Older Population by Age, 1900-2010: Percent 65+ and 85+

Life Table Survival Functions, U.S. Males by Calendar Year 1900-2000 (USA Data)

QUALITY VS QUANTITY

FALL PREVIEW: A SNEAK PEEK AT MOVIES, TV, MUSIC & BOOKS

HOW TO LIVE TO BE 100 (AND NOT REGRET IT)

100 (AND NOT REGRET IT)

A 30+ YEAR OLD THEORY (THAT HELPED CREATE]THE STANDARD TODAY)

AGING, NATURAL DEATH, AND THE COMPRESSION OF MORBIDITY (1980)
---DR. JAMES F. FRIES

"SPECULATION ABOUT IMMORTALITY IS ROOTED IN ANTIQUITY AND IN HUMAN HOPE... DISABILITY AND LOWERED QUALITY OF LIFE DUE TO THE MOST PREVALENT CHRONIC DISEASES ARE INESCAPABLY LINKED WITH EVENTUAL MORTALITY. HIGH-LEVEL MEDICAL TECHNOLOGY APPLIED AT THE END OF A NATURAL LIFE SPAN EPITOMIZES THE ABSURD"

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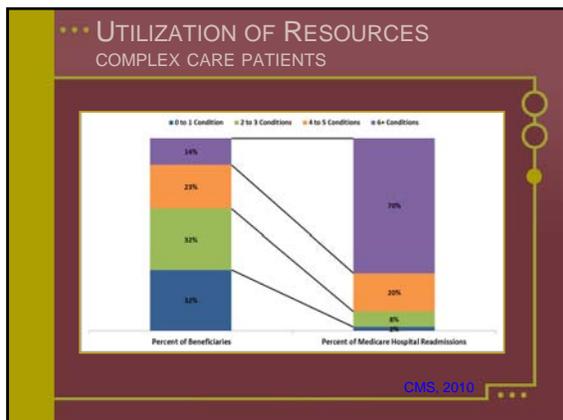
AGE: PREDICTOR OF HEALTHCARE COSTS

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AGE: A PREDICTOR OF DISPOSITION

Age (years)	Home	Short-term care	Long-term care	Died	Other
65-74	71	5	14	2	8
75-84	56	5	24	4	10
85 and over	44	5	35	16	10

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- ### THE REMEDIATION OF HEALTHCARE FROM THE COST PERSPECTIVE
- ACUTE CARE SERVICES
 - REDUCE LENGTH OF STAY
 - REDUCE READMISSIONS
 - NON-ACUTE CARE SERVICES
 - IMPROVE SHORT-TERM CARE SERVICES
 - IMPROVE LONG-TERM CARE SERVICES
 - IMPROVE HOME CARE SERVICES

- ### 30-DAY READMISSION COSTS, 2011
- \$41.3 BILLION FOR HOSPITAL PATIENT-CARE COSTS
 - 1.8 MILLION MEDICARE PATIENTS COST \$24 BILLION
 - CHF, 1.3 MILLION PATIENTS, \$1.7 BILLION
 - PSYCHIATRIC ILLNESSES, \$588 MILLION
 - CHEMOTHERAPY COMPLICATIONS, \$400 MILLION
- PAYORS: THE FAILURE IN CARE COORDINATION ACROSS THE HEALTH CARE CONTINUUM TENDS TO BE A SIGNIFICANT FACTOR IN HOSPITAL READMISSIONS.**
- Source: Health Finance

READMISSIONS (10/1-12/31/2003)

MEDICARE CLAIMS DATA: >11M PATIENTS

- 19.6 % 30-DAY, READMISSION RATE
- 34 % 90-DAY, READMISSION RATE
- ~50% HAD NO OUTPATIENT FOLLOW-UP
- CHF, COPD, PNA, PSYCHOSES, JOINT REPLACEMENT, HIP FRACTURE
- DRG, LOS, #HOSPITALIZATIONS, POST-HOSPITAL FOLLOW UP—MAJOR INDICATORS

"FROM A SYSTEM PERSPECTIVE, A SAFE TRANSITION FROM A HOSPITAL TO THE COMMUNITY OR A NURSING HOME REQUIRES CARE THAT CENTERS ON THE PATIENT AND TRANSCENDS ORGANIZATIONAL BOUNDARIES"

Arora, et al. NEJM, 2008

PATIENT RETENTION ON RE-ADMISSION

Condition	Percentage
Heart Failure	83%
COPD	86%
AMI	67%
Depression	37%
Asthma	85%
Diabetes	76%
All Targeted Conditions	78%

Pittsburgh Regional Health Initiative, 2010

TRANSITIONS TO THE ER FROM LTC

- Older NH residents accounted for 3857 of 208,956 ED visits
- 53.5% DID NOT LEAD TO HOSPITAL ADMISSION
- OF THOSE DISCHARGED FROM THE ER, 62.8% HAD NORMAL VITAL SIGNS ON PRESENTATION AND 18.9% DID NOT HAVE ANY DIAGNOSTIC TESTING BEFORE ER DISCHARGE.
- INJURIES WERE 1.78 TIMES MORE LIKELY TO BE DISCHARGED THAN ADMITTED
- INFECTIONS WERE 2.06 TIMES AS LIKELY TO BE ADMITTED AS DISCHARGED
- COMPUTED TOMOGRAPHY (CT) SCANS WERE PERFORMED IN 25.4% AND 30.1% OF OLDER NH RESIDENTS WHO WERE DISCHARGED FROM THE ED AND ADMITTED TO THE HOSPITAL, RESPECTIVELY (70% OF THESE WERE CT'S OF THE HEAD)
- NH RESIDENTS RECEIVED CENTRALLY ACTING, SEDATING MEDICATIONS BEFORE ED DISCHARGE IN 9.4% OF VISITS

Quinn, et al. JAGID, 2010

THE LACK OF MEDICATION RECONCILIATION

- APPROXIMATELY 1.5 MILLION PREVENTABLE ADVERSE DRUG EVENTS (ADEs) OCCUR ANNUALLY AS A RESULT OF MEDICATION ERRORS, AT A COST OF MORE THAN \$3 BILLION PER YEAR.
- APPROXIMATELY HALF OF ALL HOSPITAL-RELATED MEDICATION ERRORS AND 20% OF ALL ADEs HAVE BEEN ATTRIBUTED TO POOR COMMUNICATION AT THE TRANSITIONS AND INTERFACES OF CARE.
- THE AVERAGE HOSPITALIZED PATIENT IS SUBJECT TO AT LEAST ONE MEDICATION ERROR PER DAY.
- ADEs ACCOUNT FOR 2.5% OF ESTIMATED EMERGENCY DEPARTMENT VISITS FOR ALL UNINTENTIONAL INJURIES AND 6.7% OF THOSE LEADING TO HOSPITALIZATION.
- THE OCCURRENCE OF UNINTENDED MEDICATION DISCREPANCIES AT THE TIME OF HOSPITAL ADMISSION RANGES FROM 30% TO 70%, AS REPORTED IN TWO LITERATURE REVIEWS.

American Society of Health-system Pharmacists March 2014

SKILLED NURSING FRONT LINE PERSPECTIVES MEASURES FOR SAFE HOSPITAL TRANSITIONS TO THE SNF

27 NURSES PARTICIPATED IN THE STUDY

- HOSPITALS NEED TO COMMUNICATE MEDICAL INFORMATION AT LEAST 24 HOURS BEFORE SNF ADMISSION TO ENSURE THAT NEEDED MEDICATIONS AND SPECIAL EQUIPMENT ARE AVAILABLE.
- CHANGES TO THE PLAN ALSO NEED TO BE COMMUNICATED IMMEDIATELY AFTER THE CHANGE IS MADE.
- IMMEDIATE ACCESS TO A PRESCRIBING PROVIDER WITH UP-TO-DATE KNOWLEDGE OF THE INDIVIDUAL AS THE INDIVIDUAL IS ADMITTED TO THE SNF.
- MORE-FOCUSED, STANDARDIZED, COMPLETE COMMUNICATION OF MEDICAL INFORMATION

Eng et al. JGIM 2013

UNAVOIDABLE AND POTENTIALLY AVOIDABLE HOSPITALIZATIONS, 2005

A Total No. of Hospitalizations of Dually Eligible Beneficiaries

Category	Count	Percentage
Unavoidable Hospitalizations	171,982	17%
Potentially avoidable hospitalizations	822,848	83%

B Total Medicare and Medicaid Costs of Dually Eligible Beneficiaries

Category	Cost
Unavoidable Hospitalizations	\$4.4 Billion
Potentially avoidable hospitalizations	\$1.5 Billion

C Average Costs per Hospitalization (\$)

Category	Average Cost
Unavoidable	~9,000
Potentially Avoidable	~8,000

Diaperstein, JG, Brennan TA, N Engl J Med 2011;365:1758-1767

INSTITUTE OF HEALTHCARE IMPROVEMENT
ELIMINATING WASTE IN U.S. HEALTHCARE

- OVERTREATMENT
- FAILURES OF CARE DELIVERY
- FAILURES OF CARE COORDINATION
- ADMINISTRATIVE COMPLEXITY
- PRICING FAILURES
- FRAUD AND ABUSE

Berwick and Hackbarth, JAMA, 2012

HEALTHCARE IMPROVEMENT

VOLUME → VALUE

HEALTHCARE IMPROVEMENT EQUATION

$$\text{VALUE} = \frac{\text{QUALITY (OUTCOMES)}}{\text{COST}}$$

POPULATION HEALTH

- TRIPLE AIM
- PATIENT-CENTERED CARE
- PATIENT-CENTERED MEDICAL HOME
- CARE MANAGERS
- BEHAVIORAL HEALTH

ACCOUNTABLE CARE ORGANIZATION (ACO)

- GROUPS OF DOCTORS, HOSPITALS, AND OTHER HEALTH CARE PROVIDERS, WHO COME TOGETHER VOLUNTARILY TO GIVE COORDINATED HIGH QUALITY CARE TO THEIR MEDICARE PATIENTS.
- THE GOAL OF COORDINATED CARE IS TO ENSURE THAT PATIENTS, ESPECIALLY THE CHRONICALLY ILL, GET THE RIGHT CARE AT THE RIGHT TIME, WHILE AVOIDING UNNECESSARY DUPLICATION OF SERVICES AND PREVENTING MEDICAL ERRORS.
- WHEN AN ACO SUCCEEDS BOTH IN DELIVERING HIGH-QUALITY CARE AND SPENDING HEALTH CARE DOLLARS MORE WISELY, IT WILL **SHARE IN THE SAVINGS** IT ACHIEVES FOR THE MEDICARE PROGRAM.

CMS

IMPACT ACT, 2014

IMPROVING MEDICARE POST-ACUTE CARE TRANSFORMATION

POPULATION HEALTH TO THE POST-ACUTE ARENA

- NATIONAL QUALITY STRATEGY
 - BETTER CARE, HEALTHY HOMES/COMMUNITIES, AFFORDABLE CARE
- CMS QUALITY STRATEGY GOALS
 - REDUCING HARM, PATIENTS AS PARTNERS, COMMUNICATION/COORDINATION OF CARE, PREVENTION/TREATMENT FOR LEADING CAUSES OF MORTALITY, PROMOTE BEST PRACTICES, AND AFFORDABLE QUALITY CARE WITH NEW DELIVERY MODELS
 - STANDARDIZATION OF DATA ACROSS DOMAINS
- MAJOR DOMAINS TO STANDARDIZE
 - SKIN INTEGRITY
 - FUNCTIONAL/COGNITIVE ASSESSMENT
 - MEDICATION RECONCILIATION
 - INCIDENCE OF FALLS
 - TRANSFER OF INFORMATION IN TRANSITIONS
 - UTILIZATION
 - DISCHARGE TO THE COMMUNITY
 - PREVENTABLE HOSPITAL READMISSIONS

IMPACT Act
DISCHARGE PLANNING

- DEVELOP A DISCHARGE PLAN WITHIN 24 HOURS OF ADMISSION AND COMPLETE THE PLAN PRIOR TO DISCHARGE
 - DISCHARGE INSTRUCTIONS TO PATIENTS
 - HAVE A MEDICATION RECONCILIATION PROCESS
 - SEND SPECIFIC INFORMATION TO A RECEIVING FACILITY
 - ESTABLISH A POST-DISCHARGE FOLLOW UP PROCESS

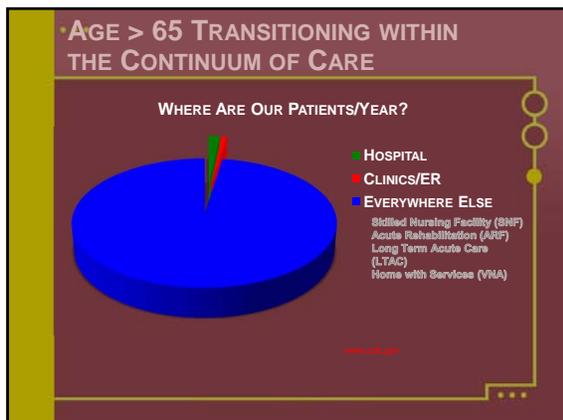
*** A HIP FRACTURE PATIENT
IN THE HEALTHCARE CONTINUUM

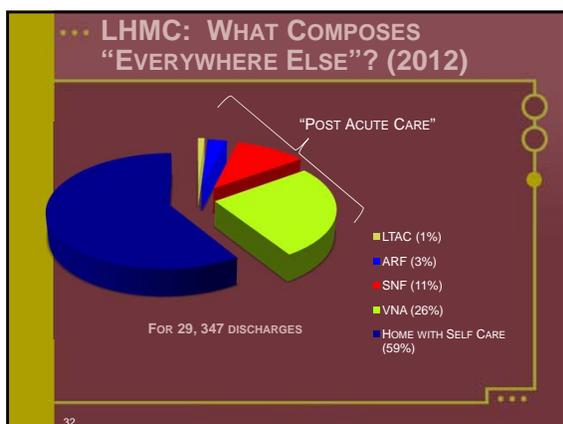
- 89 YEAR OLD MAN PRESENTS TO SKILLED NURSING AFTER A MECHANICAL FALL S/P FEMUR FRACTURE REPAIR
- PALE, THIN, DECONDITIONED, FAIRLY COGNITIVELY INTACT
- ORTHOSTATIC AT BASELINE
- S/P BIV PACEMAKER FOR CARDIOMYOPATHY
- COPD, CKD, OSTEOARTHRITIS
- WEIGHT LOSS, ANOREXIA, LIGHTEADEDNESS, NAUSEA AT BASELINE
- AMIODARONE, DIGOXIN, WARFARIN, DIURETIC
- WIFE WITH COGNITIVE IMPAIRMENT, BOTH ARE LIMITED TO THE HOME SETTING, WITH SUPPORT FROM FAMILY

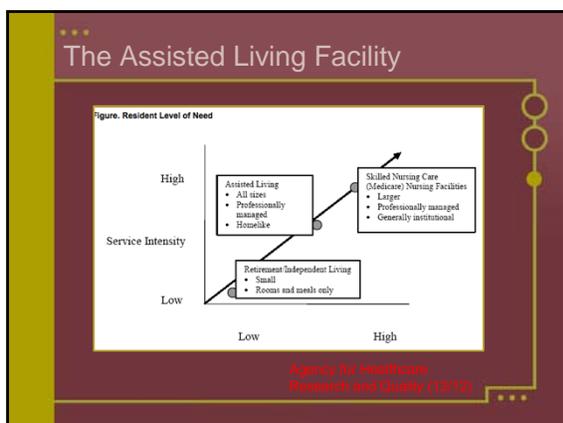
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DEFINITIONS

- TRANSITIONS OF CARE (TOC)
 - THE MOVEMENT PATIENTS MAKE BETWEEN HEALTH CARE PRACTITIONERS AND SETTINGS AS THEIR CONDITION AND CARE NEEDS CHANGE DURING THE COURSE OF A CHRONIC OR ACUTE ILLNESS. www.ahrq.gov/transitions
- CONTINUUM OF CARE
 - THE COLLECTION OF HEALTH CARE SETTINGS TAKEN AS A WHOLE
- DISPOSITION LEVEL
 - A CARE MANAGEMENT TERM FOR A SETTING OF POST-ACUTE CARE OR NON-ACUTE CARE
- POST-ACUTE CARE (PAC)
 - THE DISPOSITION LEVELS TAKEN AS A WHOLE [LONG-TERM, ACUTE CARE (LTAC), ACUTE REHABILITATION (ARF), SKILLED NURSING (SNF), HOME WITH NURSING (VNA)]







MODELS OF TRANSITIONAL CARE

- ### CARE TRANSITIONS MODEL THE "COLEMAN" MODEL
- TRANSITIONS COACH
 - MEDICATION SELF-MANAGEMENT
 - THE PERSONAL HEALTH RECORD
 - TIMELY PRIMARY CARE/SPECIALTY CARE FOLLOW UP
 - KNOWLEDGE OF RED FLAGS THAT INDICATE A WORSENING IN CONDITION AND HOW TO RESPOND

CARE TRANSITIONS MODEL OUTCOMES—750 RANDOMIZED PARTICIPANTS

- 65 YEARS OR OLDER
- NONPSYCHIATRIC CONDITION
- BE COMMUNITY DWELLING
- RESIDE LOCALLY TO THE HOSPITAL (FOR EASE OF HOME VISITS)
- HAVE A WORKING TELEPHONE
- BE ENGLISH SPEAKING
- NO HISTORY OF DEMENTIA
- HAVE NO PLANS TO ENTER HOSPICE
- HAVE SPECIFIC MEDICAL CONDITIONS

Table 3. Utilization Outcomes*

Variable	Intervention Group (n = 375)	Control Group (n = 375)	30-Day P-Values		OR (95% CI)
			Outcomes	Adjusted	
Rehospitalization	83	113	.11	.048	0.81 (0.58-1.13)
Within 30 d	76.7	105	.08	.04	0.84 (0.61-1.16)
Within 90 d	104.8	130.7	.15	.03	0.82 (0.61-1.11)
Rehospitalization for acute diagnosis	2.8	4.8	.21	.38	0.81 (0.54-1.21)
Within 30 d	2.3	3.9	.23	.34	0.81 (0.53-1.21)
Within 90 d	3.3	5.9	.26	.34	0.81 (0.53-1.21)
Within 180 d	5.3	7.9	.26	.34	0.81 (0.53-1.21)

Abbreviations: CI, confidence interval; OR, odds ratio.
*Based on 750 randomized participants who were included in the primary analysis. The 375 patients who were randomized to the intervention group and 375 patients who were randomized to the control group. *P values were used for unadjusted outcomes, and logistic regression results were reported for adjusted outcomes.
†Adjusted for age, sex, education, race/ethnicity, self-reported health status, chronic disease score, prior hospitalization and emergency department utilization, and emergency department.

Coleman, et al. Arch Intern Med. 2008

BETTER OUTCOMES FOR OLDER ADULTS THROUGH SAFE TRANSITIONS (BOOST)

SOCIETY OF HOSPITAL MEDICINE (SHM) VISION:

- IDENTIFY PATIENTS AT HIGH RISK OF REHOSPITALIZATION AND TARGET SPECIFIC INTERVENTIONS TO MITIGATE POTENTIAL ADVERSE EVENTS
- REDUCE 30 DAY READMISSION RATES
- IMPROVE PATIENT SATISFACTION SCORES AND H-CAHPS SCORES RELATED TO DISCHARGE
- IMPROVE FLOW OF INFORMATION BETWEEN HOSPITAL AND OUTPATIENT PHYSICIANS AND PROVIDERS
- IMPROVE COMMUNICATION BETWEEN PROVIDERS AND PATIENTS
- OPTIMIZE DISCHARGE PROCESSES

BOOST PILOT AT LAHEY HOSPITAL (2014)

- TWO DEDICATED WARDS, PATIENTS AGE > 65 WHO SATISFIED SPECIFIC HIGH RISK CRITERIA
- DEDICATED HOSPITALIST, NURSE EDUCATOR, CASE MANAGER, AND NURSING TEAM
- REDUCED 7-DAY READMISSIONS BY 30%
- INCREASED PATIENT SATISFACTION BY 49%
- IMPROVED TEAM COHESIVENESS (SUBJECTIVE) INCLUDING PRIMARY PROVIDER
- NO EFFECT ON 30-DAY READMISSION RATES AND WAS NOT CONTINUED

PROJECT RED (RE-ENGINEERED DISCHARGE)

- LANGUAGE ASSISTANCE
- FOLLOW-UP APPOINTMENTS AND TESTING NEEDS
- FOLLOW-UP FROM TESTING WHILE IN THE HOSPITAL
- OUTPATIENT SERVICES/EQUIPMENT NEEDS
- CORRECT MEDICATIONS AND COMPLIANCE
- DISCHARGE PLANS AND NATIONAL GUIDELINES
- PATIENT UNDERSTANDING OF THE DISCHARGE PLAN
- EDUCATE THE PATIENT ABOUT THE DIAGNOSIS
- ASSESS PATIENT UNDERSTANDING
- REVIEW HOW TO MANAGE A PROBLEM
- EXPEDITE INFORMATION TO OTHER PROVIDERS
- PROVIDE TELEPHONE SUPPORT FOR DISCHARGE PLAN

Greenwald, DeBarn and Jack / Patient Safety June 2017

**PROJECT RED
(RE-ENGINEERED DISCHARGE)**
CALIFORNIA HOSPITALS: 2013/2014

- BAKERSFIELD MEMORIAL: 30-DAY READMISSIONS REDUCTION FOR MEDICARE PATIENTS, 11.3 % FROM 25 %, ALL-PAYER 30-DAY READMISSIONS REDUCED TO 6.5 PERCENT FROM AN AVERAGE OF 7.5 PERCENT.
- ST. MARY'S MEDICAL CENTER: FOCUS ON HEART FAILURE PATIENTS SAW READMISSIONS REDUCED TO 7.7 % FROM 22.2 %, REDUCING ALL-CAUSE READMISSIONS TO 5.7 %.

AHRQ, 2013

PROJECT RED IN SKILLED NURSING FACILITIES

- GOAL
TO INCREASE PATIENT PREPAREDNESS FOR CARE TRANSITIONS AND LOWER REHOSPITALIZATION RATES IN THE 30 DAYS AFTER DISCHARGE FROM THE SNF FACILITY.
- 100 PATIENTS AFTER INITIATION
- HOSPITALIZATION RATES DECREASED TO 10.2% FROM 18.9%
- INCREASED IN PATIENT SATISFACTION AND PREPAREDNESS FOR TRANSITION TO HOME
- OUTPATIENT FOLLOW-UP INCREASED FROM 50.2% TO 70.2%

Rekowski, et al., JANDA, 2013

NATIONAL TRANSITIONS OF CARE COALITION (NTOCC)

- I. STRUCTURE:
 - PATIENTS SHOULD HAVE AN ACCOUNTABLE PROVIDER OR A TEAM OF PROVIDERS DURING ALL POINTS OF TRANSITION. THE PROVIDER(S) WOULD PROVIDE PATIENT-CENTERED CARE AND SERVE AS CENTRAL COORDINATOR(S) ACROSS ALL SETTINGS, AND WITH OTHER PROVIDERS.
 - THE PATIENT SHOULD HAVE AN UP-TO-DATE PROACTIVE CARE PLAN THAT WOULD TAKE INTO CONSIDERATION THE PATIENT'S AND FAMILY'S PREFERENCES AND WOULD BE CULTURALLY APPROPRIATE. THIS CARE PLAN SHOULD BE AVAILABLE TO ALL PROVIDERS INVOLVED IN THE CARE OF THE INDIVIDUAL.
 - USE OF A HEALTH INFORMATION TECHNOLOGY-INTEGRATED SYSTEM THAT WOULD BE INTEROPERABLE AND AVAILABLE TO BOTH PATIENTS AND PROVIDERS.

NTOCC Measures Work Group, 2009

NATIONAL TRANSITIONS OF CARE COALITION (NTOCC)

- **II. PROCESSES:**
 - **A. CARE TEAM PROCESSES:**
 - CARE PLANNING (INCLUDING ADVANCE DIRECTIVES)
 - MEDICATION RECONCILIATION (THIS PROCESS INCLUDES PATIENT AND FAMILY)
 - TEST TRACKING (LABORATORY, RADIOLOGY, AND OTHER DIAGNOSTIC PROCEDURES)
 - TRACKING OF REFERRALS TO OTHER PROVIDERS OR SETTINGS OF CARE
 - ADMISSION AND DISCHARGE PLANNING
 - FOLLOW-UP APPOINTMENT TRACKING
 - END-OF-LIFE DECISION MAKING
 - **B. INFORMATION TRANSFER/COMMUNICATION BETWEEN CARE SETTINGS:**
 - TIMELINESS, COMPLETENESS, AND ACCURACY OF TRANSFERRED INFORMATION
 - PROTOCOL OF SHARED ACCOUNTABILITY IN EFFECTIVE TRANSFER OF INFORMATION
 - **C. PATIENT AND FAMILY EDUCATION AND ENGAGEMENT:**
 - PATIENT AND/OR FAMILY PREPARATION FOR TRANSFER
 - PATIENT AND/OR FAMILY EDUCATION FOR SELF-CARE MANAGEMENT (E.G., THE NTOCC TOOLS "MY MEDICINE LIST" AND "TAKING CARE OF MY HEALTH").
 - PATIENT AND/OR FAMILY AGREEMENT WITH THE CARE TRANSITION (ACTIVE PARTICIPATION IN MAKING INFORMED DECISIONS)

NTOCC Measures Work Group, 2008

NATIONAL TRANSITIONS OF CARE COALITION (NTOCC)

- **III. OUTCOMES:**
 - PATIENT'S AND/OR FAMILY'S EXPERIENCE AND SATISFACTION WITH CARE RECEIVED.
 - PROVIDER'S EXPERIENCE AND SATISFACTION WITH THE QUALITY OF INTERACTION AND COLLABORATION AMONG PROVIDERS INVOLVED IN CARE TRANSITIONS.
 - HEALTH CARE UTILIZATION AND COSTS (E.G., READMISSIONS, ETC.).
 - HEALTH OUTCOMES CONSISTENT WITH PATIENT'S WISHES (E.G., FUNCTIONAL STATUS, CLINICAL STATUS, MEDICAL ERRORS, AND CONTINUITY OF CARE).

NTOCC Measures Work Group, 2008

AMERICAN MEDICAL DIRECTOR ASSOCIATION

- **TRANSITIONS OF CARE IN THE LONG-TERM CARE CONTINUUM—CLINICAL PRACTICE GUIDELINES (CPG)**
 - **STEPS TO SAFER TRANSITIONS**
 - COMMUNICATION WITH THE TEAM, WARM HAND-OFFS, PALLIATIVE CARE DISCUSSIONS, VERIFY PATIENT/INFORMATION ARRIVAL, ACCOUNTABILITY AND RESPONSIBILITY AT ALL TRANSITION STEPS, MONITOR PERFORMANCE WITH SPECIFIC MEASURES WITH CONTINUOUS REVIEW AND CQI
 - **PLANNED/UNPLANNED TRANSITIONS**
 - **ACCESS AND USE IS FREE**
 - [HTTP://WWW.AMDA.COM/TOOLS/CLINICAL/TOCCPG.PDF](http://www.amda.com/tools/clinical/toccpg.pdf)
- **OTHER CPGs (IE. ACUTE CHANGE OF CONDITION)**
- **KNOW-IT-ALL SERIES**
- **CHECKLISTS (RESIDENT/FAMILY, SNF TO HOME, AMA)**

INTERACT

INTERVENTIONS TO REDUCE ACUTE CARE TRANSITIONS

- BASED ON THE AFFORDABLE CARE ACT (ACA) REQUIREMENT TO GENERATE QUALITY-ASSURANCE AND PERFORMANCE-IMPROVEMENT PROGRAMS
- REDUCING POTENTIALLY AVOIDABLE HOSPITALIZATIONS OF NH RESIDENTS PRESENTS AN OPPORTUNITY TO BOTH IMPROVE CARE QUALITY AND AVOID UNNECESSARY HEALTH CARE EXPENDITURES.
- THE TOOLS INCLUDED EVIDENCE-BASED PRACTICES AND PRACTICE GUIDELINES, AND WERE DESIGNED TO BE SIMPLE AND FEASIBLE TO IMPLEMENT IN EVERYDAY PRACTICE IN NH
- STRATEGIES AND TOOLS:
 - ORGANIZATIONAL AND LEADERSHIP COMMITMENT
 - COMMUNICATION STRATEGIES AND TOOLS
 - CARE PATHS
 - ADVANCE CARE PLANNING RESOURCES

Tavares-Nelson, et al. JAMDA, 2012

UTILIZATION OF INTERACT II

REDUCTION IN HOSPITALIZATION RATES—6 MONTH TRIAL

Facility Type	Resident Days	Rate (per 1,000)
Engaged facilities	104,273	4.01
	104,273	3.13
Not engaged facilities	104,273	3.96
	104,273	3.71
All INTERACT II facilities	104,273	3.99
	104,273	3.32
Comparison facilities	104,273	3.49
	104,273	2.81

- 25 NURSING FACILITIES ENROLLED—TOTAL REDUCTION 17%
- ENGAGED NHs HAD A 24% REDUCTION REPRESENTING A MEAN ABSOLUTE REDUCTION OF 0.90 HOSPITALIZATIONS PER 1,000 RESIDENT DAYS.
- NHs THAT WERE NOT ENGAGED HAD ONLY A 6% REDUCTION.

Chamber, et al. JGIM, 2011

INTERACT TOOLS

Stop and Watch

Early Warning Tool

If you have identified a change while caring for an older or frail resident, please **stop** the change and notify a nurse. Either give the nurse a copy of this tool or email it back to her or her supervisor.

S Seems different than usual

T Talks or communicates less

O Overall needs more help

P Pain—new or worsening. Participated less in activities

a Ate less

d No bowel movement in 3 days or diarrhea

d Drank less

W Weight change

A Agitated or nervous more than usual

T Tired, weak, confused, or dizzy

C Change in skin color or condition

H Help with walking, transferring, toileting more than usual

Name of Resident: _____

First Name: _____

Address: _____ Date and Time (mm/dd/yyyy): _____

Nurse Signature: _____ Date and Time (mm/dd/yyyy): _____

Nurse Name: _____

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INTERACT TOOLS

CARE PATH
Four

INTERACT TOOLS

Laboratory Tests / Diagnostic Procedures
(report why the test or procedure was done)

Test/Procedure	Report Immediately*	Report on Next Work Day
Complete Blood Count	-WBC > 14,000 -Hemoglobin/Bilirubin < 9	-WBC < 10,000 without symptoms or fever
Chemistry	-Blood Urea Nitrogen (BUN) > 40 mg/dL -Creatinine > 1.2 mg/dL -Phosphorus > 1.5 < 0.5 mg/dL -Uric Acid > 12.0 < 1.0 mg/dL -Blood glucose > 300 mg/dL or < 70 mg/dL (diabetic)	-Glucose consistently > 200 mg/dL -Triglycerides (any value) -Other chemistry values > Reference (any value)
Consult Reports	Consultant report recommending immediate action or change in management	Results consistent with recommended routine action or change in patient's management
Drug Levels	Levels above therapeutic range of any drug (check and drug)	Any therapeutic or low level
MR (Interpretation of Abnormalities)	-MR > 4.5 (head/neck)	-MR > 4.5 (head/neck) -TTP > normal (2x normal head/neck)
Urine/urine	Abnormal result in incident with signs and symptoms possibly related to urinary tract infection or urinary flow being obstructed and/or suggestive of that issue	Abnormal result in incident with no signs or symptoms
Urine Culture	>100,000 colony count with a urinary pathogen with symptoms	Any growth with no symptoms
X-ray	New or unexpected finding (eg. fracture, pneumonia, CHF)	Old or long standing finding, no change

*Critical test values are listed and noted by the primary care physician. ©2011 Interact HealthCare, Inc. All rights reserved.

INTERACT TOOLS

SBAR Communication Form and Progress Note

SBAR

Situation

Background

Assessment

Recommendation

Signature

Receiver

Date

Time

Room

Unit

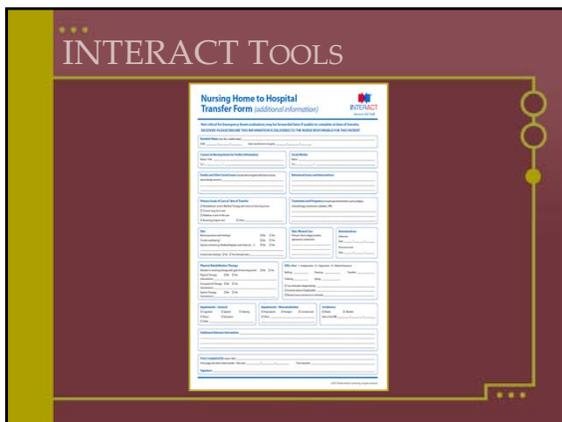
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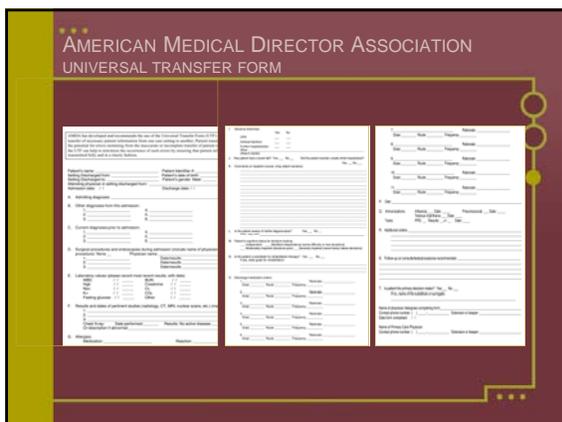
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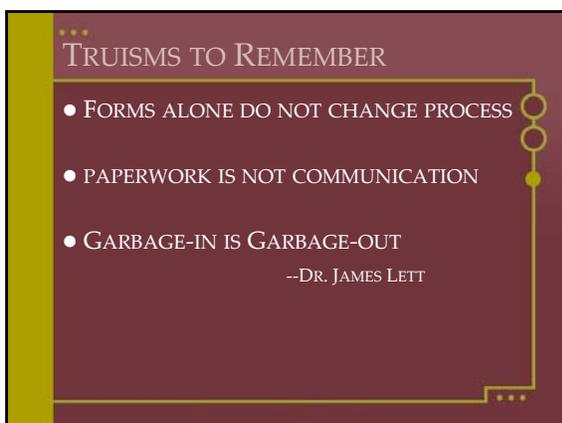
Mobile

Other

Notes







PHYSICIAN ORDERS FOR LIFE-SUSTAINING TREATMENT

ADVANCE CARE PLANNING (ACP) AN OPPORTUNITY IN POST-ACUTE CARE

HOBIN, ET. AL., JAMDA, 2014

- 55 RANDOMIZED CONTROLLED TRIALS ON THE EFFICACY OF ACP INTERVENTIONS IN ADULT POPULATIONS
- ACP CAN BE EFFECTIVE IN CHANGING COMPLETION OF ADVANCED DIRECTIVES AND OCCURANCE OF END OF LIFE DISCUSSIONS
- IMPROVED CONCORDANCE WITH PATIENT'S PREFERENCES FOR END OF LIFE CARE AND RECEIVED END OF LIFE CARE
- IMPROVED QUALITY OF DISCUSSIONS, BUT NO EFFECT ON SYMPTOMS: ANXIETY, DEPRESSION, WELL-BEING, HEALTH STATUS OR PAIN

THE POST ACUTE SETTING OFFERS THE ABILITY TO APPROACH PATIENTS AND THEIR FAMILIES, TYPICALLY AFTER A CHALLENGING HOSPITALIZATION TO WORK THROUGH ISSUES AND CONSIDER OPTIONS

A HIP FRACTURE PATIENT THE UTILIZATION OF ALL TRANSITIONAL CARE RESOURCES

- 89 YEAR OLD MAN PRESENTS TO SKILLED NURSING AFTER A MECHANICAL FALL S/P FEMUR FRACTURE REPAIR
- UNABLE TO TOLERATE THERAPY, WEAKNESS PROGRESSES
- DELIRIUM, HEALTH CARE PROXY ACTIVATED
- ORTHOSTASIS, WEIGHT LOSS, ANOREXIA, CONTINUE
- AMIODARONE AND DIGOXIN DISCONTINUED AFTER SPEAKING WITH CARDIOLOGY AND REVIEWING HISTORY WITH PRIMARY MD
- MULTIPLE DISCUSSIONS WITH FAMILY ABOUT GOALS AND STATUS
- NOT READMITTED TO THE HOSPITAL
- DISCHARGED TO HOME ON HOSPICE

SUMMARY

- OUR HEALTHCARE SYSTEM HAS EVOLVED TO WHERE PATIENT-CENTERED, HIGH QUALITY CARE WILL BE THE RULE RATHER THAN THE EXCEPTION
- THERE ARE MULTIPLE PROGRAMS TO FACILITATE TRANSITIONS OF CARE, WITH THE COMMON THEMES OF COMMUNICATION, CONSIDERATION AND EDUCATION
- POST-ACUTE CARE HAS BECOME A VITAL PLAYER IN THE CONTINUUM OF CARE AND WILL CONTINUE TO BE WITHIN THE NEW VALUE-BASED SYSTEM

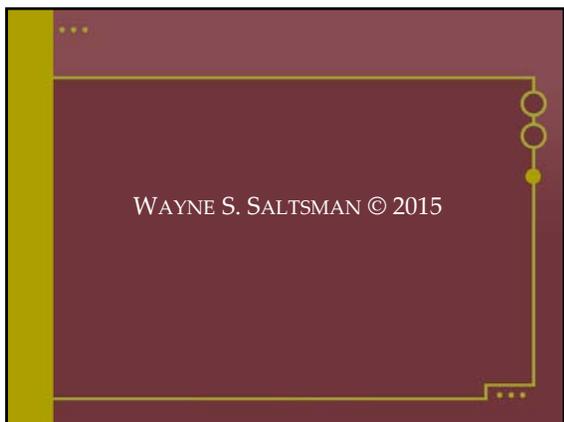
THE TRUE HEALTHCARE EQUATION

$$\text{VALUE} = (\text{DRT}) (\text{TIME}_w)$$

FINAL THOUGHT

NEVER DOUBT THAT A SMALL GROUP OF
THOUGHTFUL AND COMMITTED CITIZENS
CAN CHANGE THE WORLD.
INDEED, IT IS THE ONLY THING
THAT EVER HAS.

--MARGARET MEAD



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