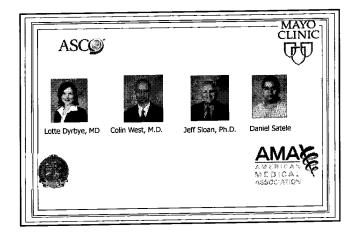
Addressing Physician Burnout & Promoting Resilience: the Organization's Role

Tait Shanafelt, MD

Professor of Medicine Hematology/Oncology

Director, Program on Physician Well-being Mayo Clinic Department of Medicine



Disclosures

- Co-inventor Physician Well-Being Index and Medical Student Well-being Index
 - Copyright owned by Mayo Clinic
 - Licensed to MedEd Web Solutions for use outside Mayo
 - No royalties have been received

Learning objectives

- I. Recognize the national trends in satisfaction and burnout among physicians & nurses
- II. Identify the personal and professional consequences of burnout
- Recognize organizational approaches to identify distress promote well-being

Disclaimer:

I am not going to focus on individual approaches to physician wellness in this talk

Dissatisfaction with Medical Practice

Confronting Depression and Suicide in Physicians

A Consensus Statement

Lumour in internal incurence physicians:

Differences between residents and specialists

Burnout among American surgeons

Changes in Career Satisfaction Among Primary Care and Specialist Physicians.

1997-2001

Mental health of hospital consultants: the effects of stress and

Canadian National Physician Survey

Sullivan, CMAJ 159:525 (1998)

- >3500 physicians responding (RR 44%)
- 62% Workload too heavy
- 55% Family & personal life suffers because physician
- 65% Opportunities to change career limited

Physician Career Satisfaction

(U.S. Surgeons n=7905)

- 71% responders would become physician again
- 51% would recommend their children become physician/surgeon
- 36% work schedule leaves enough time for personal/family life

Shanafelt, Annals of Surgery 250:463 (2009)

Physician Work Environment

(U.S. Family Physicians, n=442)

- · 53% time pressure in office visits
- · 48% work pace chaotic
- 78% low control over work
- · 26% subjectively burned out

Linzer, Annals of Int Med 151:28-36 (2010)

Burnout Among Nurses

- 10,184 hospital based nurses in Pennsylvania
- 43% burned out
- Patient nurse staffing ratios strongly related to burnout and job satisfaction
- Approximately 23% increased risk burnout for each 1 additional patient per nurse
- Intent to leave current job next 12 months:
 - Burned out nurses = 43%
 - Nurses without burnout = 11%

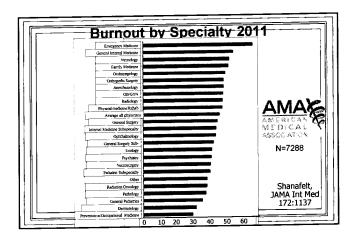
Aiken JAMA 288:1987 (2002)

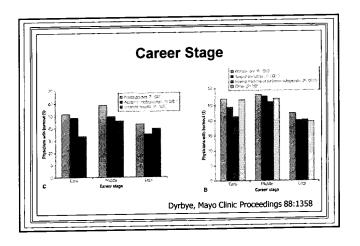
What is Burnout?

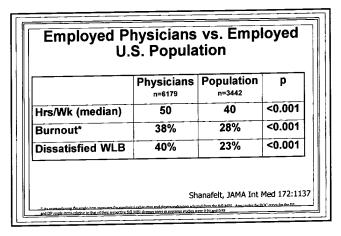
Burnout is a syndrome of depersonalization, emotional exhaustion, and low personal accomplishment leading to decreased effectiveness at work.

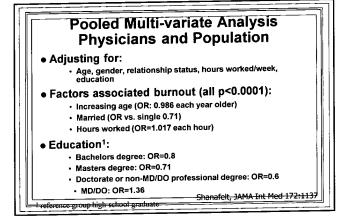
Maslach Burnout Inventory

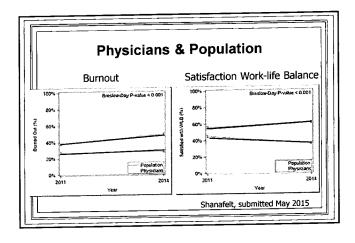
- Developed 1980, validation over last 30 years.
- 22 item survey evaluates the 3 domains of burnout.
- Respondents rate frequency on 7 point Likert scale.
- 3 Sub-Scales: Depersonalization, Emotional Exhaustion and Low Personal Accomplishment
- Normative national samples of like professionals



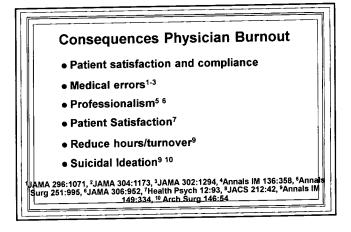








Why Should We Care?



Errors Among U.S. Surgeons

- Cross-sectional survey, ACS members
- Response rate 32% (n=7905)1
- "Are you concerned you have made any major medical errors in the last 3 months?"
- Identify events internalized by surgeon as major error
- Self-reported errors high correlation events medical record²

¹ Annals of Surgery 251:995; ² JGIM 16:809

Medical Errors:

Definition¹:

A commission or omission with <u>potentially</u> negative consequences for the patient that would have been judged wrong by skilled and knowledgeable peers at the time it occurred, <u>independent</u> of whether there were any negative consequences

- Distinct from complications
- Do not necessarily = harm to patient
 - 53% self-perceived errors impact patients some studies²

¹ JAMA 265:2089 ² JGIM 21:165

Self-reported Major Medical Errors Among U.S. Surgeons (n=7905)

- 9% of Surgeons Report Major Error last 3 months

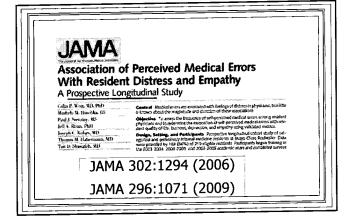
	OR Reporting Error	Р
Each 1 point increase EE*	1.05	<0.0001
Each 1 point increase DP*	1.11	<0.0001
Each 1 point decrease PA*	1.03	<0.0001

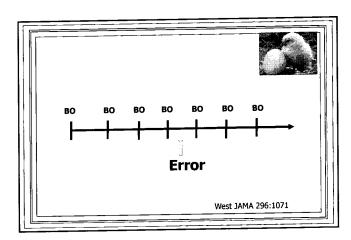
*EE 0-54; DP 0-30; PA 0-48

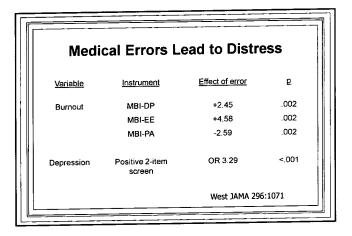
Shanafelt, Annals of Surgery 251:995

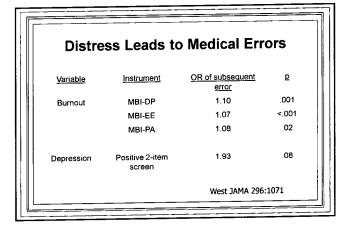
Do errors lead to distress? OR Does distress lead to errors?

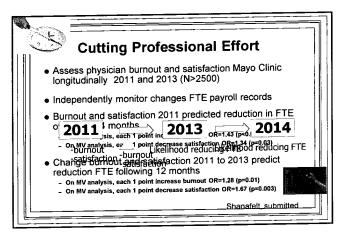


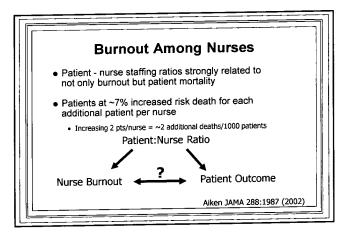










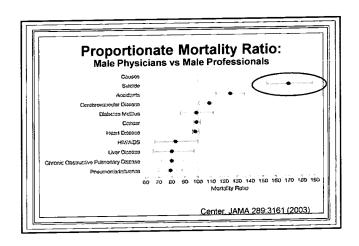


Survey 820 nurses at 20 urban U.S. hospitals Work environment strongly related to all domains of burnout and intent to leave next 12 months Adequate staffing Good administrative support Good relationships between nurses and physicians Patients cared for on units w lower nurse burnout had greater satisfaction medical care. Suggests that changes to work environment appear to offer opportunity to improve both patients satisfaction and nurse satisfaction

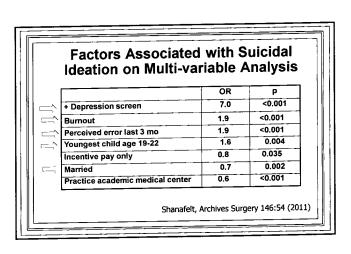
Vahey, Med Care 42:1157

The human/personal cost of burnout Loss of idealism and commitment Loss of sense work is meaningful (cynicism) Feelings of guilt and unworthiness Loss of direction/purpose

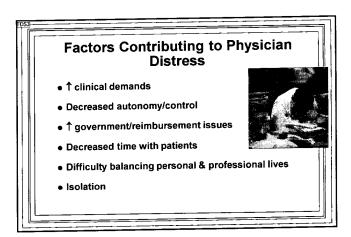
Depression Among Physicians Prevalence = general population - 12% lifetime - male physicians - 19.5% lifetime - females physicians Higher rates of suicide in physicians - RR 1.1 - 3.4 in male physicians - RR 2.5 - 5.7 in females physicians Suicide is a disproportionately high cause of mortality in physicians relative other professionals Center, JAMA 289:3161 (2003)

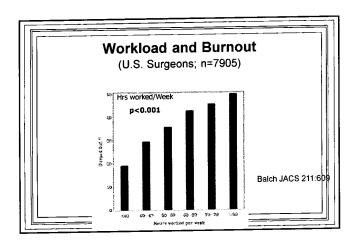


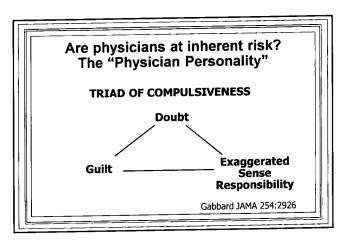
Suicidal Ideation Among Surgeons n=7905 • 501 (6.4%) U.S. surgeons thought of suicide last 12 months • 26% surgeons suicidal ideation sought psychiatric help • 60% SI reluctant to seek help for treatment of depression due repercussions medical license Shanafelt, Archives Surgery 146:54 (2011)



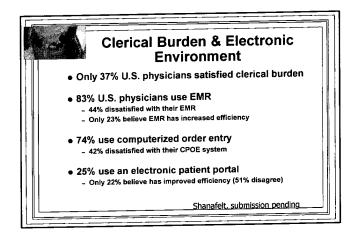
What are the Causes of Burnout?

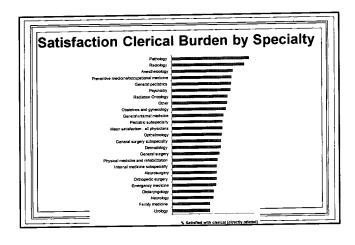


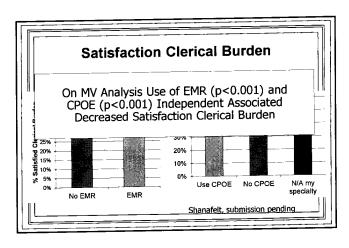


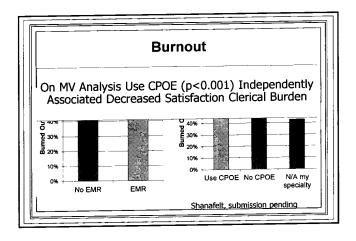


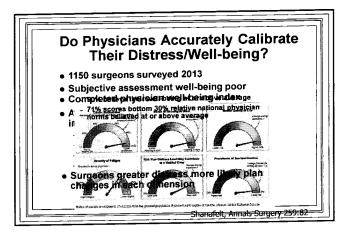
The "Physician Personality" <u>Maladaptive</u> **Adaptive** Difficulty relaxing Diagnostic rigor Problem allocating time for family Thoroughness Commitment to patients Sense responsibility beyond what you control Desire to stay current Recognize responsibility of patients trust Sense "not doing enough" Difficulty setting limits Confusion of selfishness vs. healthy self-interest Difficulty taking time off Gabbard JAMA 254:2926

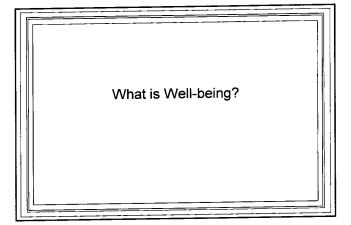


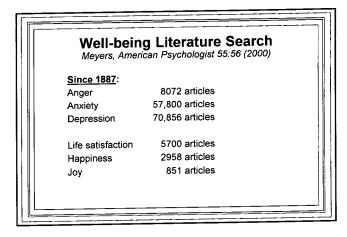












The Science of Happiness

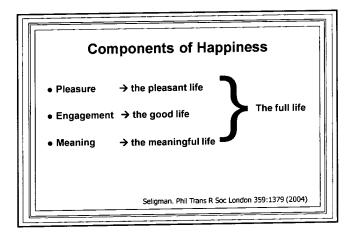
Components of Happiness

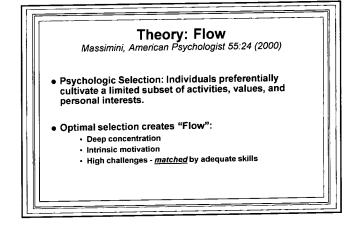
Pleasure (positive emotions)
Eating ice cream; having a massage

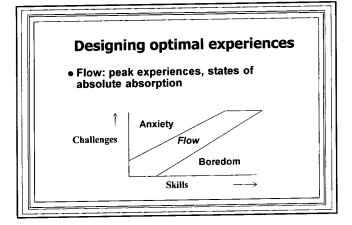
Engagement (being absorbed)
Training marathon

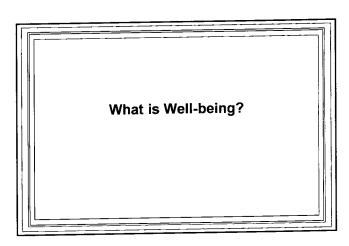
Meaning (serving something larger than self)
Knowledge, goodness, family, community, justice

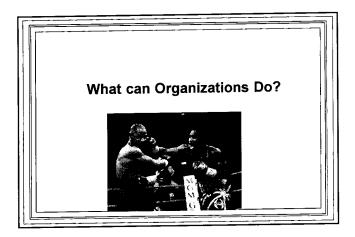
Seligman. Phil Trans R Soc London 359:1379 (2004)

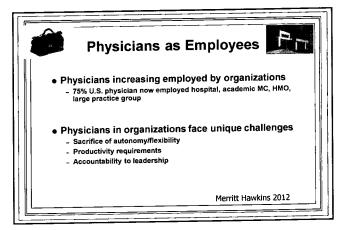


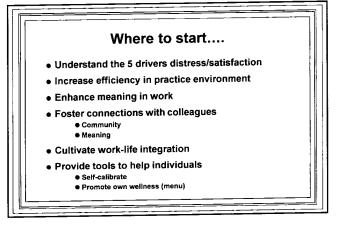


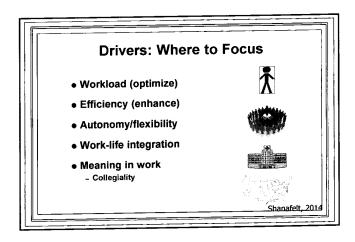


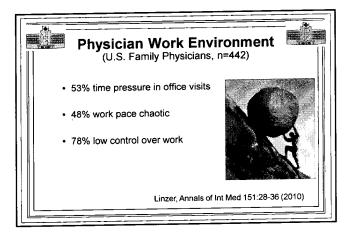


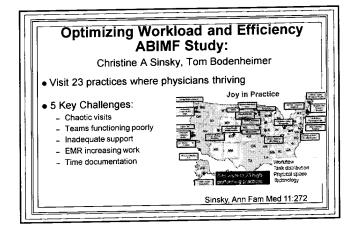


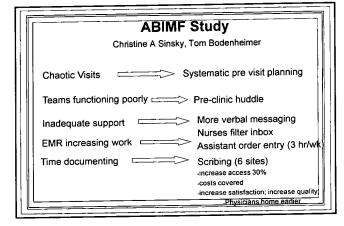


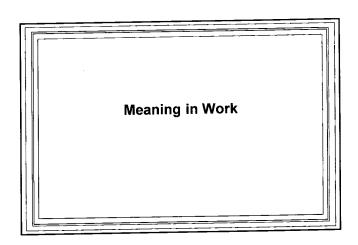


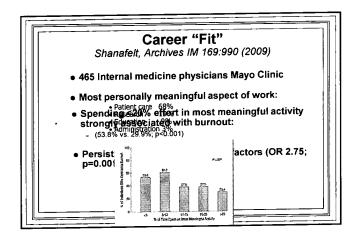


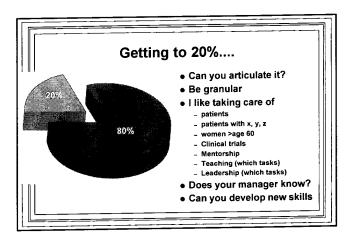












"Do first things first, and second things not at all." - Peter Drucker Fostering Community and Support
From Colleagues

Randomized controlled trial Mayo Clinic physicians

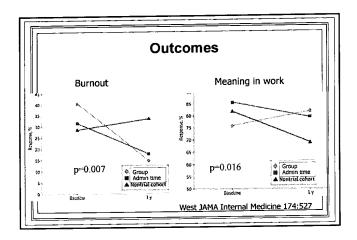
Arm A (Groun): n=37

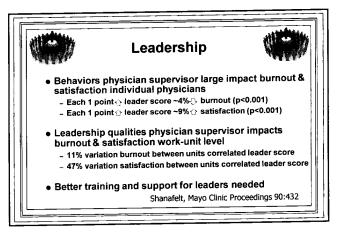
This was on
company time

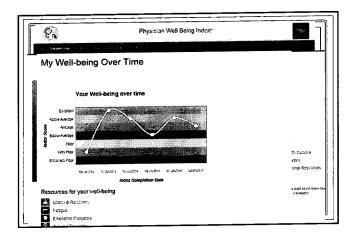
Processional/Jadministrative tasks (~1% FTE)

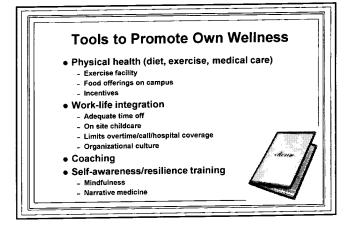
Non-trial: n=476

Measure meaning in work, satisfaction, well-being
West JAMA Internal Medicine 174:527

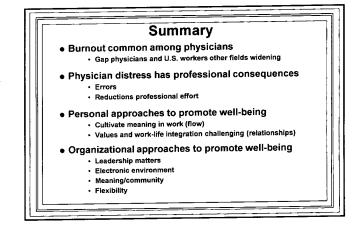


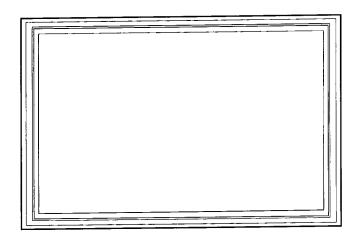






Does Reducing Physician Distress Benefit the Organization? St. Paul Insurance Company Conducted 4 studies evaluating effects employee stress on quality of care and malpractice claims: 1. Departments (n=91) with greater stress had more malpractice claims 2. Organizational stress score at 61 hospitals strongly related frequency malpractice claims 3. Employee stress reduction program at 1 hospital reduce medication errors ~50% 4. Case Control study implementing this program at 22 hospitals reduced malpractice claims 70% compared to no reduction control hospitals Jones J Appl Psych 73:727





"Self-love, my liege, is not so vile a sin as self-neglect."
- Henry V, Act 2, scene 4