Burnout Solutions, Interventions & the Predictive Power of Feeling Supported When Things Go Wrong: The Science of Enhancing Resilience

J. Bryan Sexton PhD, Director Duke Center for Healthcare Safety and Quality Duke University Health System twitter.com/dukehsq www.hsq.dukehealth.org

While you are waiting for us to start, perhaps you could send a quick text to someone important to you, to send a kind thought their way.



# Examples

#### Institutional Resources

- Schwartz Center Rounds
- Just Culture Training
- Positive Rounding
- Safety Rounding
- Second Victim Support

#### Resources for individuals:

- Gratitude Letters: bit.ly/grattool
- Cultivate Hope: bit.ly/fwdtool
- 3 Funny Things: bit.ly/start3ft
- Cultivate Confidants: bit.ly/1goodchat
- Cultivate Awe and Wonder: bit.ly/awetool
- Random Acts of Kindness: bit.ly/kindtext
- Cultivate Mindfulness: bit.ly/3goodminutes
- Cultivate Interest & Curiosity: bit.ly/inttool
- 3 Good Things: bit.ly/start3gt







BMJ



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# Work-life balance behaviours cluster in work settings and relate to

### In the past week:

- Skipped a meal.
- Ate a poorly balanced meal.
  - Worked through a day/shift without any breaks.
    - Arrived home late from work.
  - Had difficulty sleeping.
    - Changed personal/family plans because of work.
    - Felt frustrated by technology.

Slept less than 5 hours in a night.

<sup>4</sup>Department of Pediatrics, Duke University Children's Hospital and Health Center, Durham, North Carolina, United States <sup>5</sup>Stanford Medicine, Stanford, North Carolina, USA

to which it acts like a climate, or group-level norm when used at the work setting level. (3) Explore associations between work-life climate and other healthcare climates including teamwork, safety and burnout. riences of contemporary healthcare workers as burnout and dissatisfaction with work-life balance (WLB) continue to increase.<sup>6-9</sup>

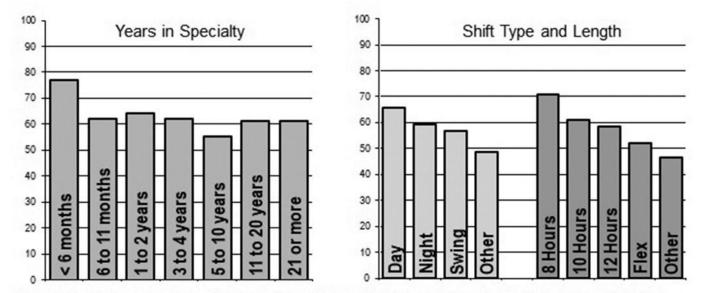
<sup>1</sup>Department of Ped Univerity of North C Chapel Hill Children Chapel Hill, North C <sup>2</sup>Patient Safety Cent University Health Sy Durham, North Caro <sup>3</sup>Duke Hospital Med Association, Duke Un Durham, North Carolina,



C.

# Work-life balance behaviours cluster in work settings and relate to burnout and safety culture: a cross-

% Reporting Good WLI



Note: Healthcare workers with less than 6 months in specialty reported significantly better WLI compared to all other categories, which did not differ from each other. Day shifts workers reported significantly better WLI scores than all other shift types. Night and swing shift workers did not differ in WLI. The "Other" shift type reported worse WLI than all other types. 8-hour shift workers reported better WLI than all other lengths. 10-hour shifts and 12-hour shifts did not differ in WLI, and Flex and Other reported the poorest WLI compared to the other categories, but were not different from each other.

Downloaded from http://qualitysafety.bmj.com/ on October 31, 2017 - Published by group.bmj.com BMJ Quality & Safety Online First, published on 9 October 2017 as 10.1136/bmjgs-2016-006399 ORIGINAL RESEARCH



Providing feedback following Leadership WalkRounds is associated with better patient safety culture, higher employee engagement and lower burnout

J Bryan Sexton,<sup>1,2</sup> Kathryn C Adair,<sup>3</sup> Michael W Leonard,<sup>4,5</sup> Terri Christensen Frankel,<sup>4</sup> Joshua Proulx,<sup>4</sup> Sam R Watson,<sup>6</sup> Brooke Magnus,<sup>7</sup> Brittany Bogan,<sup>8</sup> Maleek Jamal,<sup>9</sup> Rene Schwendimann,<sup>10</sup> Allan S Frankel<sup>4</sup>

#### ABSTRACT

**Background** There is a poorly understood relationship between Leadership WalkRounds (WR) and domains such as safety culture, employee engagement, burnout and work-life balance.

Methods This cross-sectional survey study evaluated associations between receiving feedback about actions taken as a result of WR and healthcare worker assessments of patient safety culture, employee WalkRounds (WR),<sup>1</sup> where front-line healthcare workers (HCW) are encouraged by leadership to identify and resolve issues related to the safe delivery of care. Fundamentally, WRs are a form of observable leadership engagement with quality that can be an empowering resource for HCW<sup>2</sup> at a time when resources are

 Additional material is published online only. To view please visit the journal online (http://dx.doi.org/10.1136/ bmjqs-2016-006399).

For numbered affiliations see end of article.

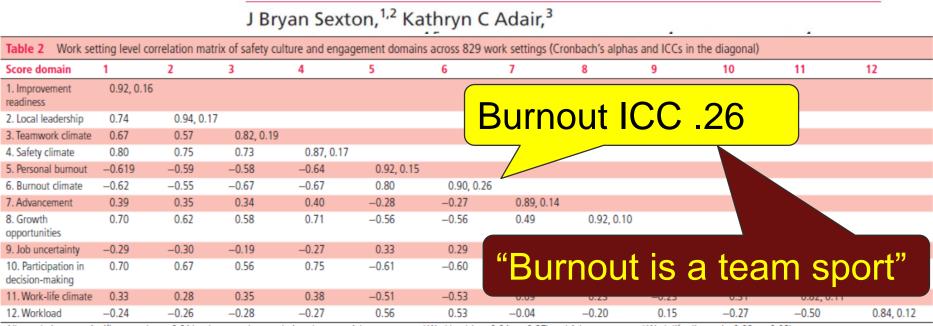
Correspondence to



Downloaded from http://qualitysafety.bmj.com/ on October 31, 2017 - Published by group.bmj.com BMJ Quality & Safety Online First, published on 9 October 2017 as 10.1136/bmjqs-2016-006399 ORIGINAL RESEARCH



# Providing feedback following Leadership WalkRounds is associated with better patient safety culture, higher employee engagement and lower burnout



All correlations are significant at the p<0.01 level, except the correlations between Advancement and Workload (r=-0.04, p=0.27) and Advancement and Work-life climate (r=0.09, p=0.02). ICC, intraclass correlations.



# ATTITUDES ARE CONTAGIOUS. MINE MIGHT KILL YOU.

#### **Burnout** is Lower Patient **Satisfaction** associated with: Aiken et al. BMJ 2012;344: e1717 Vahey, Aiken et al. Med Care. 2004 February; 42(2 Suppl): II57-II66. Infections Cimiotti, Aiken, Sloane and Wu. Am J Infect Control. 2012 Aug;40(6):486-90. **Medication Errors** Fahrenkopf et al. BMJ. 2008 Mar 1;336(7642):488-91. Higher Standardized **Mortality Ratios** Welp, Meier & Manser. Front Psychol. 2015 Jan 22;5:1573.



# Emotional exhaustion and workload predict clinician-rated and objective patient safety

#### Annalena Welp<sup>1</sup>\*, Laurenz L. Meier<sup>2</sup> and Tanja Manser<sup>3</sup>

<sup>1</sup> Industrial Psychology and Human Factors, Department of Psychology, University of Fribourg, Fribourg, Switzerland

<sup>2</sup> Department of Psychology, University of Fribourg, Fribourg, Switzerland

<sup>3</sup> Institute of Patient Safety, University Hospital Bonn, Bonn, Germany



Psychology, University of Fribourg, Rue P. A. Faucigny 2, 1700 Fribourg, Switzerland e-mail: annalena.welp@unifr.ch



**Aims**: To investigate the role of clinician burnout, demographic, and organizational characteristics in predicting subjective and objective indicators of patient safety.

**Background**: Maintaining clinician health and ensuring safe patient care are important goals for hospitals. While these goals are not independent from each other, the interplay between clinician psychological health, demographic and organizational variables, and objective patient safety indicators is poorly understood. The present study addresses this gap.

**Method**: Participants were 1425 physicians and nurses working in intensive care. Regression analysis (multilevel) was used to investigate the effect of burnout as an indicator of psychological health, demographic (e.g., professional role and experience) and organizational (e.g., workload, predictability) characteristics on standardized mortality ratios, length of stay and clinician-rated patient safety.

**Results**: Clinician-rated patient safety was associated with burnout, trainee status, and professional role. Mortality was predicted by emotional exhaustion. Length of stay was predicted by workload. Contrary to our expectations, burnout did not predict length of stay, and workload and predictability did not predict standardized mortality ratios.

**Conclusion**: At least in the short-term, clinicians seem to be able to maintain safety despite high workload and low predictability. Nevertheless, burnout poses a safety risk. Subjectively, burnt-out clinicians rated safety lower, and objectively, units with high emotional exhaustion had higher standardized mortality ratios. In summary, our results indicate that clinician psychological health and patient safety could be managed

### Am I burned out?

You try to be everything to everyone

You get to the end of a hard day at work, and feel like you have not made a meaningful difference

You feel like the work you are doing is not recognized

- You identify so strongly with work that you lack a reasonable balance between work and your personal life
- Your job varies between monotony and chaos
- You feel you have little or no control over your work
- You work in healthcare





That is burnout in this room. What about outside our crispy circle?





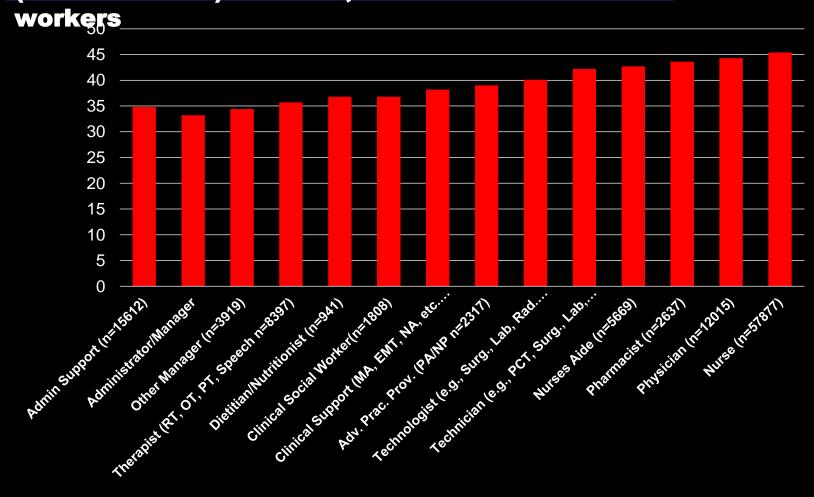
# 200,999 HCW (40.6%)







#### Burnout Scores by Role (SCORE results) over 200,000 healthcare



# BMJ

#### BMJ 2012;344:e1717 doi: 10.1136/bmj.e1717 (Published 20 March 2012)

Table 4| Nurse outcomes in 12 European countries and the US. Data are number of nurses reporting outcome/total number of nurses surveyed, and percentage

Country	Reported ward to have poor or fair quality of care		Gave ward poor or failing safety grade		Regarded themselves to be burnt out		Dissatisfied with job		Intended to leave their job in the next year		Not confident that patients can manage own care after hospital discharge		Not confident that hospital management would resolve patients' problems	
Belgium	886/3167	28	199/3150	6	730/2938	25	680/3159	22	934/3164	30	1921/3153	61	2518/3134	80
England	540/2899	19	191/2895	7	1138/2699	42	1136/2904	39	1261/2896	44	981/2901	34	1856/2893	64
Finland	141/1099	13	76/1095	7	232/1047	22	300/1114	27	546/1111	49	441/1098	40	890/1094	81
Germany	526/1507	35	94/1506	6	431/1430	30	561/1505	37	539/1498	36	473/1505	31	879/1504	58
Greece	170/361	47	61/358	17	246/315	78	199/358	56	177/358	49	231/358	65	311/356	87
Ireland	152/1389	11	117/1385	8	536/1293	41	581/1383	42	612/1380	44	588/1385	42	872/1381	63
Netherlands	756/2185	35	123/2187	6	211/2061	10	240/2188	11	418/2197	19	889/2195	41	1781/2200	81
Norway	468/3732	13	199/3712	5	823/3501	24	773/3729	21	942/3712	25	2097/3710	57	2739/3698	74
Poland	683/2581	26	463/2579	18	929/2321	40	663/2584	26	1056/2387	44	1890/2571	74	2196/2571	85
Spain	897/2794	32	173/27	λ	% of		2 Nhu	rea	ac ar	o k	ourne	d o	<b>, 1</b> € 57	86
Sweden	2750/10 051	27	1117/1 035	)4				130	013					73
Switzerland	324/1604	20	71/1606	4	228/1563	15	38/1610	21	447/1623	28	564/1612	35	1216/1612	75
US	4196/26 316	16	1628/26 772	6	9122/27 163	34	6692/26 935	25	3767/27 232	14	11 449/25 110	46	15 240/26 717	57

Page 1 of 14

# JAMA, May 18, 2011—Vol 305, No. 19 2009

### Physician Burnout

A Potential Threat to Successful Health Care Reform

Liselotte N. Dyrbye, MD, MHPE Tait D. Shanafelt, MD

ISCUSSIONS OF BARRIERS TO SUCCESSFUL IMPLEMENtation of the Patient Protection and Affordable Care Act have largely focused on legislative, logistic, and legal hurdles. Notably absent from these discussions is how the health care reform measures may affect the emotional health of physicians.

Burnout is common among physicians in the United States, 1 an estimated 30% to 40% experiencing burnout.<sup>1</sup> Man and a patient care may be compromised by burnout. Physicians are more likely to report making a pars, score lower on instruments measuring retire early such as those expenses associated with reporting qualitybased measures, will be an additional ongoing practice expense. These and other new regulations and reporting requirements (eg, requiring reporting of patient outcome data and guideline adherence for payment) will also increase the administrative burden for physicians on each patient for whom they provide care. Indeed physicians in Massachusetts report seeing more patients,8 reducing the time they spend with each patient, dealing with greater administrative requirements, and experiencing a detrimental financial impact after implementation of the Massachusetts Health Insurance Reform Law.9 If physicians nationally have a similar experience with health care reform, it is likely to result in increased workload that will exacerbate the challenge physicians have balancing their personal and professional life. Thus, health care

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out in physicians.<sup>2,3,5</sup> Some aspects of health care reform are likely to exacerbate many of these stressors and thus may reform that are likely to improve patient care and reduce physician workload and stress. The introduction of a

ORIGINAL ARTICLE

### MAYO CLINIC

### Changes in Burnout and Satisfaction With Work-Life Integration in Physicians and the General US Working Population Between 2011 and 2017

Tait D. Shanafelt, MD; Colin P. West, MD, PhD; Christine Sinsky, MD; Mickey Trockel, MD, PhD; Michael Tutty, PhD; Daniel V. Satele, BS; Lindsey E. Carlasare, MBA; and Lotte N. Dyrbye, MD, MHPE

#### Abstract

Objective: To evaluate the prevalence of burnout and satisfaction with work-life integration among physicians and other US workers in 2017 compared with 2011 and 2014.

**Participants and Methods**: Between October 12, 2017, and March 15, 2018, we surveyed US physicians and a probability-based sample of the US working population using methods similar to our 2011 and 2014 studies. A secondary survey with intensive follow-up was conducted in a sample of nonresponders to evaluate response bias. Burnout and work-life integration were measured using standard tools. **Results**: Of 30,456 physicians who received an invitation to participate, 5197 (17.1%) completed surveys. Among the 476 physicians in the secondary survey of nonresponders, 248 (52.1%) responded. A





**Psychology of Burnout** Your focus and reflections determines your reality

# **Psychology of Burnout**

### Your **focus** determines your reality





Notice anything unusual about this lung scan? Harvard researchers found that **83**% of radiologists didn't notice the gorilla in the top right portion of this image. **ORIGINAL PAPER** 

#### Emotional information processing in depression and burnout: an eye-tracking study

#### Renzo Bianchi · Eric Laurent

Received: 12 July 2014 © Springer-Verlag Ber

Abstract Whether unclear. The aim c vance of the burnor attentional processi and depression. Eye-

# What the burned out eyes are able to see is limited:

Eye-tracking of attention of burned out and depressed participants was the same: more focus on dysphoric stimuli / less focus on positive stimuli

accompnonic

assessing overt attentional acprovincing the gale of or human services employees was monitored as they freely viewed a series of emotional images, labeled as dysphoric, positive, anxiogenic, and neutral. Similar to depression, burnout was associated with increased attention for dysphoric stimuli and decreased attention for positive stimuli

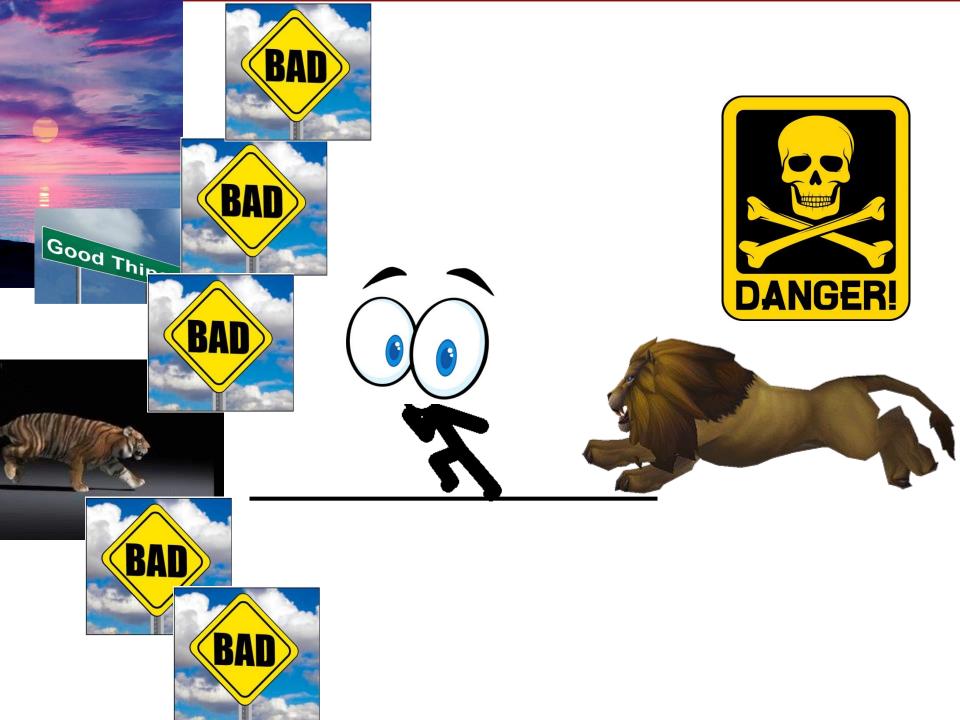
hallmark of burnout, ac. lessness; it reflects the worker s stress and is considered the entry point into the drome; depersonalization characterizes a way of coping with emotional exhaustion by detaching onesalf from one's

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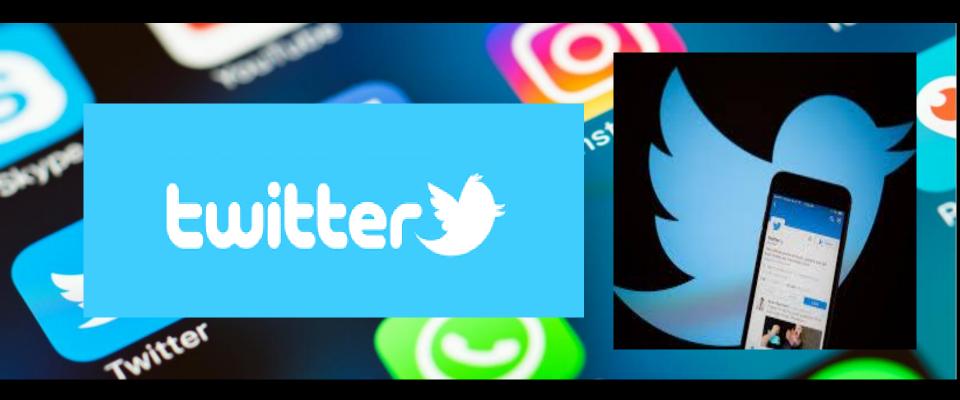
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# Analogy:

- Noticing something about the world
- Commenting on it briefly through your mobile phone
- Seeing what other people commented on



Research Article

### Psychological Language on Twitter Predicts County-Level Heart Disease Mortality

### 0 😊

Johannes C. Eichstaedt<sup>1</sup>, Hansen Andrew Schwartz<sup>1,2</sup>, Margaret L. Kern<sup>1,3</sup>, Gregory Park<sup>1</sup>, Darwin R. Labarthe<sup>4</sup>, Raina M. Merchant<sup>5</sup>, Sneha Jha<sup>2</sup>, Megha Agrawal<sup>2</sup>, Lukasz A. Dziurzynski<sup>1</sup>, Maarten Sap<sup>1</sup>, Christopher Weeg<sup>1</sup>, Emily E. Larson<sup>1</sup>, Lyle H. Ungar<sup>1,2</sup>, and Martin E. P. Seligman<sup>1</sup> <sup>1</sup>Department of Psychology, University of Pennsylvania; <sup>2</sup>Department of Computer and Information Science, University of Pennsylvania; <sup>3</sup>Graduate School of Education, University of Melbourne; <sup>4</sup>School of Medicine, Northwestern University; and <sup>5</sup>Department of Emergency Medicine, University of Pennsylvania



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Twitter Topics Negatively Correlated With County-Level AHD Mortality

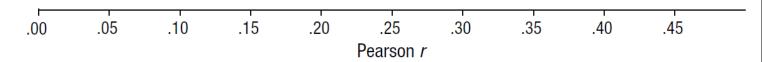
Skilled Occupations

skills development company students entertainment services provide Customer publicannouncement group leadership attend. conference council information<sup>design</sup> management<sup>marketing</sup> communication research board meetings youth meetings youth staff student convention suggestionscommunity customers center enemy charity business learning technologyengineering education analysis r = -.14r = -.17r = -.17changing fabulous wonderful **r** wonderful triends<sup>rood</sup> nopefab experienced enjoyable judgment journey judgement experiencesexciting learning painful experience pleasant experience share bound fantastic holiday enjoyed wonderful hopesWeekend lots greatdrinks dinner company good evening enjoyed laughs wine enjoygreat tgif r = -.14r = -.15r = -.15reaching opportunity dreamsperfection accomplish achieve goals greatness achieved strive goal power strong possibilities **OVERCOME**struggles strength <sup>courage</sup> struggle challengesfaith<sup>greater</sup> peaceobstacles trials opportunities discover possibility ); challenge improve create endless experience potential ability explore set<sup>potential</sup>reach success trials stronger endure r = -.13r = -.12r = -.13

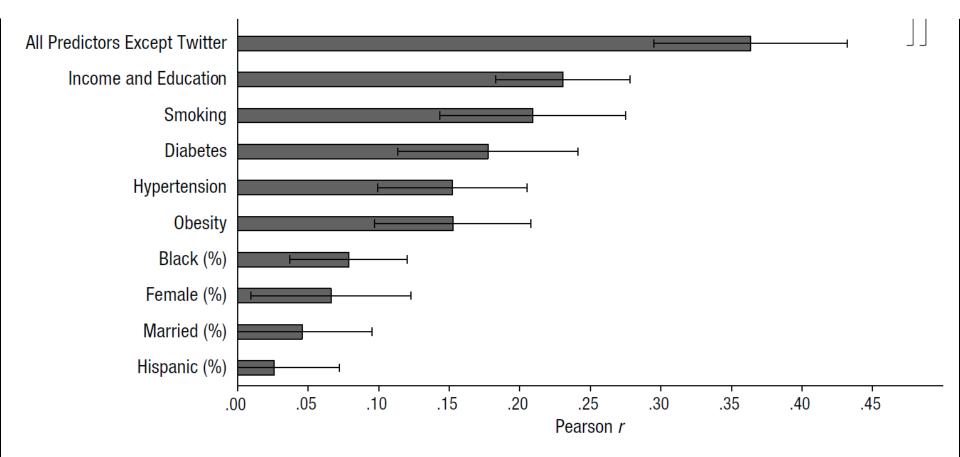
Positive Experiences

Optimism

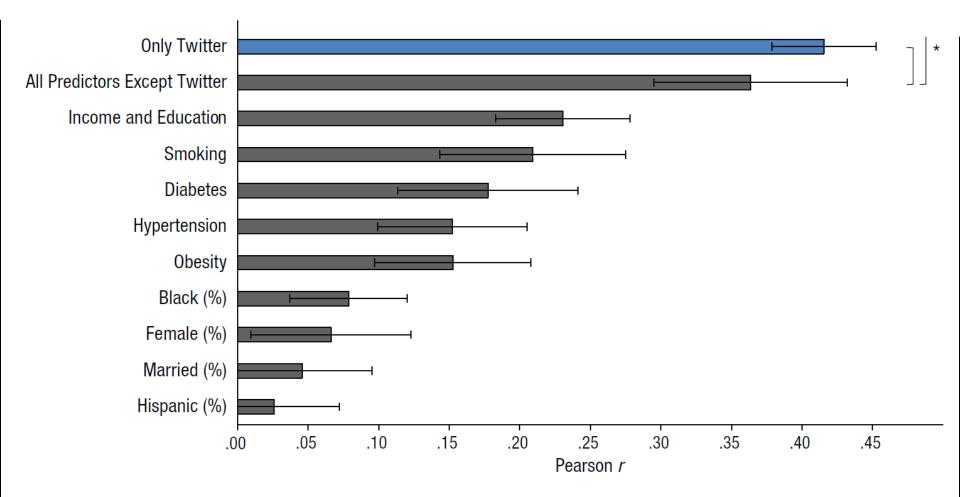




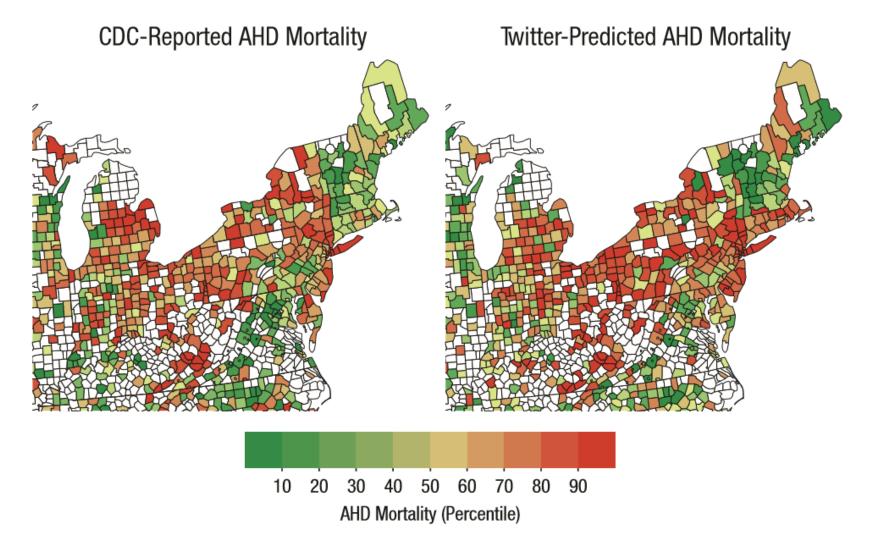
**Fig. 2.** Performance of models predicting age-adjusted mortality from atherosclerotic heart disease (AHD). For each model, the graph shows the correlation between predicted mortality and actual mortality reported by the Centers for Disease Control and Prevention. Predictions were based on Twitter language, socioeconomic status, health, and demographic variables singly and in combination. Higher values mean better prediction. The correlation values are averages obtained in a cross-validation process used to avoid distortion of accuracy due to chance (overfitting; for details, see the text). Error bars show 95% confidence intervals. Asterisks indicate significant differences between models (\*p < .05).



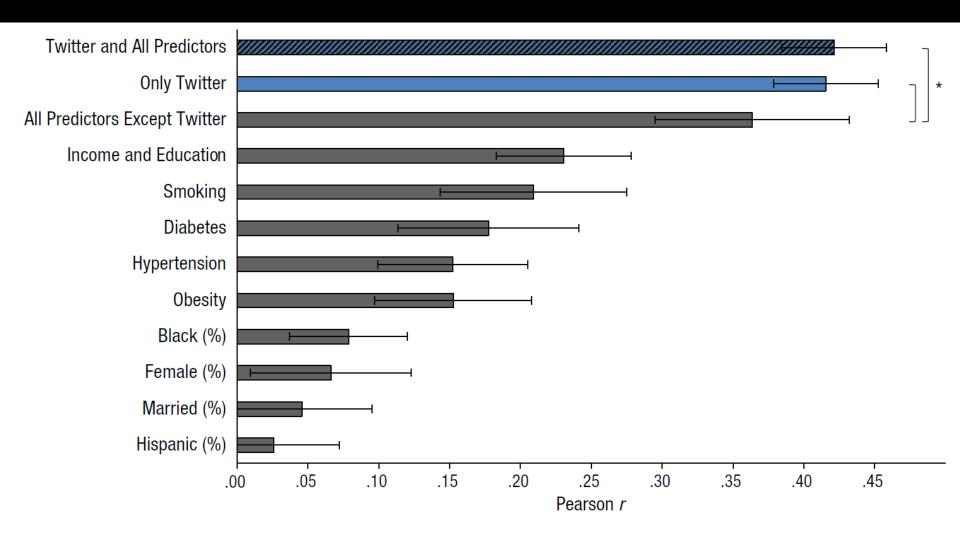
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**Fig. 3.** Map of counties in the northeastern United States showing age-adjusted mortality from atherosclerotic heart disease (AHD) as reported by the Centers for Disease Control and Prevention (CDC; left) and as estimated through the Twitter-language-only prediction model (right). The out-of-sample predictions shown were obtained from the cross-validation process described in the text. Counties for which reliable CDC or Twitter language data were unavailable are shown in white.



**Fig. 2.** Performance of models predicting age-adjusted mortality from atherosclerotic heart disease (AHD). For each model, the graph shows the correlation between predicted mortality and actual mortality reported by the Centers for Disease Control and Prevention. Predictions were based on Twitter language, socioeconomic status, health, and demographic variables singly and in combination. Higher values mean better prediction. The correlation values are averages obtained in a cross-validation process used to avoid distortion of accuracy due to chance (overfitting; for details, see the text). Error bars show 95% confidence intervals. Asterisks indicate significant differences between models (\*p < .05).

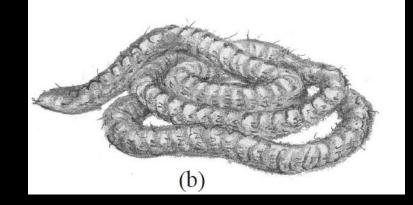
# **Psychology of Burnout**

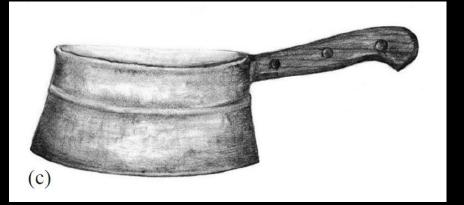
# **AND THAT YOUR**

# **PERCEPTIONS ARE INFLUENCED BY HOW YOU FEEL**

imgflip.com

# Blurt Task – Don't be shy...







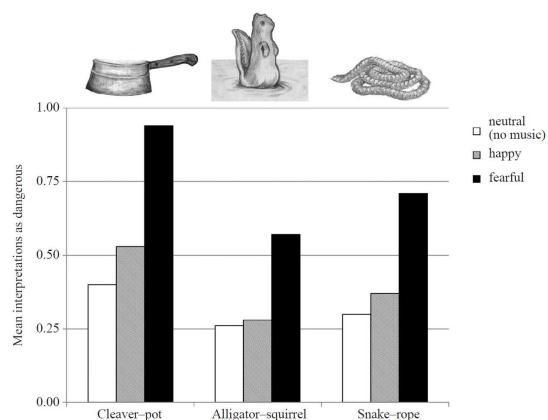
doi:10.1068/p7290

#### SHORT AND SWEET Alligator or squirrel: Musically induced fear reveals threat in ambiguous

Jesse Prinz<sup>1</sup>, Ange <sup>1</sup> Department of Philo New York, NY 10016, of New York Received 14 May 201

Abstract. Extant evide visual features or mak seen. Three newly dev presented for brief inte control condition and majority reported seein a visually perceived st so the findings also su

Keywords: ambiguou



**Figure 2.** Mean interpretations as benign (= 0) and dangerous (= 1) for ambiguous figures in no music, happy music, and fearful music conditions.



Burnout, is what happens when it gets really hard to notice something funny, interesting, or amazing...

Burnout, at its core, is the impaired ability to experience positive emotion

	Negative Emotion	<b>Positive Emotion</b>
Example	Anger, fear, disgust, sadness	Joy, happiness, love, hope
Message	Something is wrong	Everything is fine
Impulse	Wanting to escape, hide, attack.	Wanting to play, explore, socialise.
Options	Few, narrow options aimed at keeping us safe	A lot of options aimed at letting us grow
Consequence	Narrow a person's options and abilities of how they can deal with a situation.	Broaden a person's options and abilities of how they can deal with a situation.

### PERSONALITY PROCESSES AND INDIVIDUAL DIFFERENCES



Sister I (low positive emotion): I was born on September 26, 1909, the Posi eldest of seven children, five girls and two boys .... My candidate year was spent in the Motherhouse, teaching Chemistry and Second Year Latin at Notre Dame Institute. With God's grace, I intend to do my best for our Order, for the spread of religion and for my personal sanctification.

Deb

Handwritter of 22 years,

Autobiographi

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write a short than two to

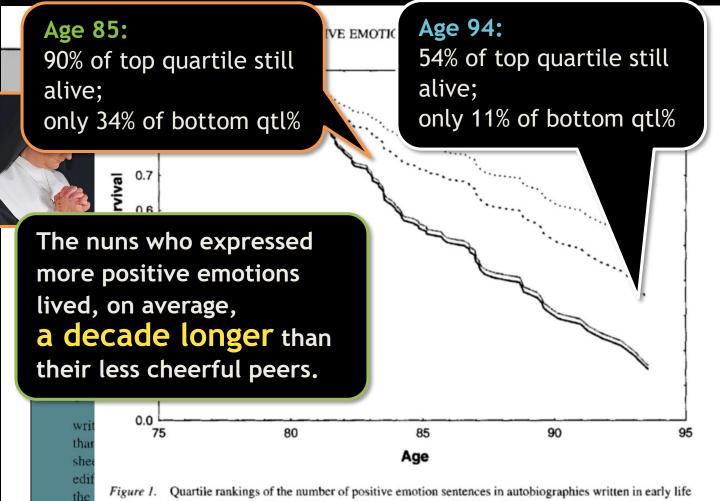
Sister 2 (high positive emotion): God started my life off well by bestowing upon me a grace of inestimable value.... The past year which I have spent as a candidate studying at Notre Dame College has been a very happy one. Now I look forward with eager joy to receiving the Holy Habit of Our Lady and to a life of union with Love Divine.

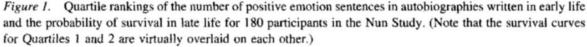




sheet of paper ... include place of birth, parentage, interesting and edifying events of childhood, schools attended, influences that led to the convent, religious life, and outstanding events.













## NIH Public Access

Author Manuscript

Motiv Emot. Author manuscript; available in PMC 2011 July 1.

Published in final edited form as: Motiv Emot. 2000 December ; 24(4): 237–258.

### The Undoing Effect of Positive Emotions

Barbara L. Fredrickson<sup>1,3</sup>, Roberta A. Mancuso<sup>2</sup>, Christine Branigan<sup>2</sup>, and Michele M. Tugade<sup>2</sup>

<sup>1</sup>Department of Psychology, Women's Studies Program, and Research Center for Group Dynamics, University of Michigan, Michigan

<sup>2</sup>Department of Psychology, University of Michigan, Michigan

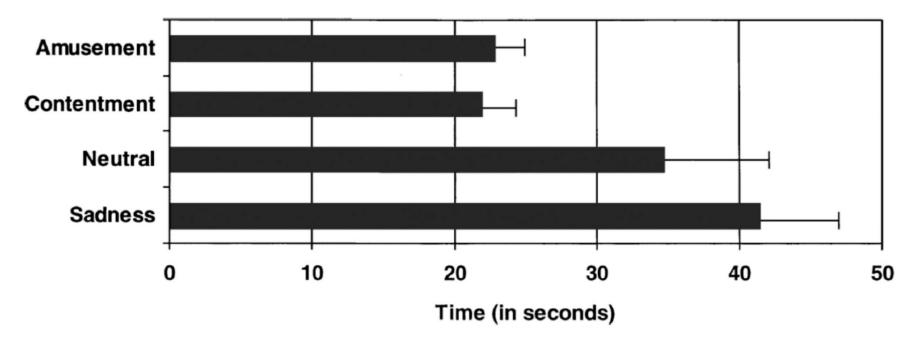
### Abstract

Positive emotions are hypothesized to undo the cardiovascular aftereffects of negative emotions. Study 1 tests this undoing effect. Participants (n = 170) experiencing anxiety-induced cardiovascular reactivity viewed a film that elicited (a) contentment, (b) amusement, (c) neutrality, or (d) sadness. Contentment-eliciting and amusing films produced faster cardiovascular recovery than neutral or sad films did. Participants in Study 2 (n = 185) viewed these same films following a neutral state. Results disconfirm the alternative explanation that the undoing effect reflects a simple replacement process. Findings are contextualized by Fredrickson's broaden-and-build theory of positive emotions (B. L. Fredrickson, 1998).



#### Fredrickson et al.

Page 17



#### Fig. 1.

Mean duration of cardiovascular reactivity by Film Group in Sample 1 of Study 1. Error bars represent standard errors of the means.



## **Positive Emotions Recharge your Batteries...**



## Social Connection: Positivity in Stereo

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## Social Relationships and Mortality Risk: A Meta-analytic Review

### Julianne Holt-Lunstad<sup>1</sup>\*, Timothy B. Smith<sup>2</sup>, J. Bradley Layton<sup>3</sup>

1 Department of Psychology, Brigham Young University, Provo, Utah, United States of America, 2 Department of Counseling Psychology, Brigham Young University, Provo, Utah, United States of America, 3 Department of Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, United States of America

Abstract

Background: The to both morbidity

*Objectives:* This n mortality, which a

### Data Extraction: D

and pre-existing health condiof social relationships.

### 50% increased chance of longevity for those with stronger relationships

### not only to mental health but also

cial relationships influence risk for tors may moderate the risk.

se of mortality, initial health status,

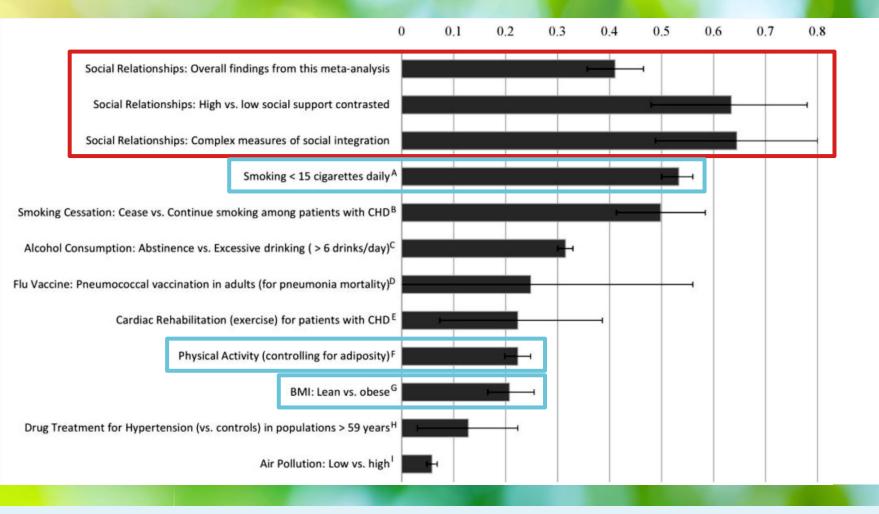
on study characteristics, including length of follow-up and type of assessment

**Results:** Across 148 studies (56,849 participants), the random effects weighted average effect size was OR = 1.50 (95% CI 1.42 to 1.59), indicating a 50% increased likelihood of survival for participants with stronger social relationships. This finding remained consistent across age, sex, initial health status, cause of death, and follow-up period. Significant differences were found across the type of social measurement evaluated (p<0.001); the association was strongest for complex measures of social integration (OR = 1.91; 95% CI 1.63 to 2.23) and lowest for binary indicators of residential status (living alone versus with others) (OR = 1.19; 95% CI 0.99 to 1.44).

*Conclusions:* The influence of social relationships on risk for mortality is comparable with well-established risk factors for mortality.



## Meaningful Connections Are a Health Behavior





# I WANT YOU TO DELETE ME AS YOUR FACEBOOK FRIEND



## 4 a.m. Friend:

Is there someone in your life whom you would feel comfortable phoning at four in the morning to tell your troubles to?

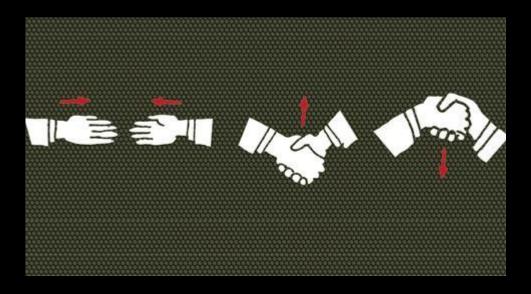
- If so, you are likely to live longer than those who say "no." Discovered by George Vaillant (Harvard psychiatrist) and called the capacity to *be* loved.
- Conversely, loneliness is such a disabling condition that it suggests the pursuit of relationships is a fundamental to well-being.



## Buddy Up



optimizing oxytocin and serotonin - which boost mood and promote bonding - hold a handshake for at least six seconds.





Active Destructive Responding	Finding the bad in the good: where you find the cloud in the silver lining
Passive Destructive Responding	Not caring at all about their news
Passive Constructive Responding	Not making a big deal out of it
Active Constructive Responding	Reacting positively, being interested and caring about their news.

### **Active Constructive Responding**

### Maintain eye contact / smile / touch / laugh

- Don't overdo the praise and positive feedback (it can make people feel uncomfortable/patronized)
- Concentrate on asking questions which encourage the person to talk about their good news/ savor their positive emotions.
- If this type of active and constructive response does not come easily to you try to ask at least three questions.

Switch to Bs!

# **Three Good Things**

### Counting Blessings Versus Burdens: An Experimental Investigation of Gratitude and Subjective Well-Being in Daily Life

Robert A. Emmons	Michael E. McCullough
University of California, Davis	University of Miami

led to increases in positive affect, as well as reductions in negative affect, mediational analyses showed that gratitude was uniquely responsible for the effect of the intervention on positive affect. In addition, the gratitude intervention improved people's amount of sleep and the quality of that sleep. Furthermore, the effects on well-being were apparent to the participants' spouse or significant other.

The effect on positive affect appeared to be the most robust finding. Results suggest that a conscious focus on blessings may have emotional and interpersonal benefits.

Reflect on your present blessings, on which every man has many, not on your past misfortunes, of which all men have some.

-Charles Dickens (M. Dickens, 1897, p. 45)

been treated as both basic and desirable aspects of human personality and social life. For example, gratitude is a highly prized human disposition in Jewish, Christian, Muslim, Buddhist, and

"A compelling view of a positive human future, for individuals, corporations, and nations, brilliantly told." ---Tony Hsieh, author of *Delivering Happiness* and CEO of Zappos.com, Inc.

### A Visionary New Understanding of Happiness and Well-being



## Martin E. P. Seligman

BESTSELLING AUTHOR OF AUTHENTIC HAPPINESS



Three Good Things

### Positive Psychology Progress

### Empirical Validation of Interventions

Martin E. P. Seligman and Tracy A. Steen Nansook Park Christopher Peterson University of Pennsylvania University of Rhode Island University of Michigan

Positive psychology has flourished in the last 5 years. The authors review recent developments in the field, including books, meetings, courses, and conferences. They also discuss the newly created classification of character strengths and virtues, a positive complement to the various editions of the Diagnostic and Statistical Manual of Mental Disorders (e. g., American Psychiatric Association, 1994), and present some cross-cultural findings that suggest a surprising ubiquity of strengths and virtues. Finally, the authors focus on psychological interventions that increase individual happiness. In a 6-group, random-assignment, placebocontrolled Internet study, the authors tested 5 purported happiness interventions and 1 plausible control exercise. They found that 3 of the interventions lastingly increased happiness and decreased depressive symptoms. Positive interventions can supplement traditional interventions the relieve suffering and may someday be the practical legac of positive psychology.

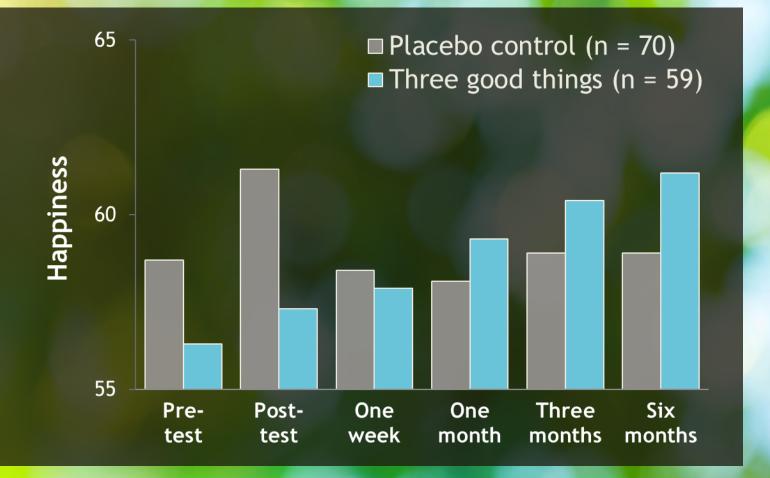
application (Linley & Joseph, 2004). Can psychologists take what they have learned about the science and practice of treating mental illness and use it to create a practice of making people lastingly happier? That is, can they create an evidence-based practice of positive psychology?

In this article, we first review the recent growth within positive psychology. Next, we describe basic research that bears on whether people can become lastingly happier, and then we present the results of our own happiness interventions that we rigorously tested with a randomized, placebocontrolled design.

### July–August 2005 • American Psychologist

Copyright 2005 by the American Psychological Association 0003-066X/05/\$12.00 Vol. 60, No. 5, 410-421 DOI: 10.1037/0003-066X.60.5.410

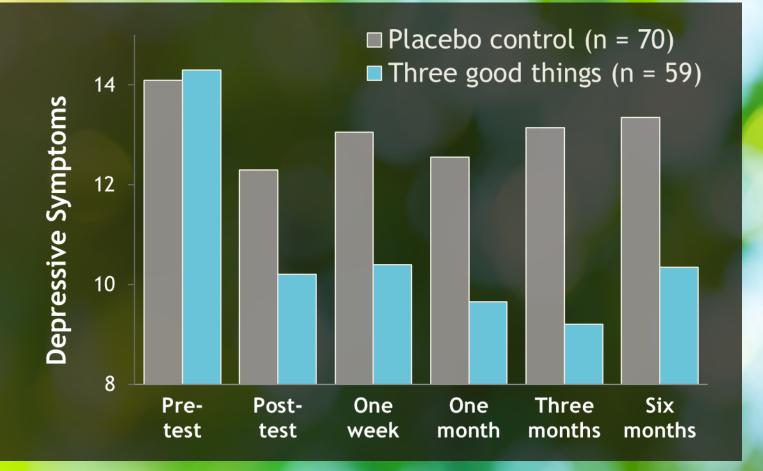
## **Three Good Things**



Seligman, Steen, Park & Peterson, 2005



## **Three Good Things**

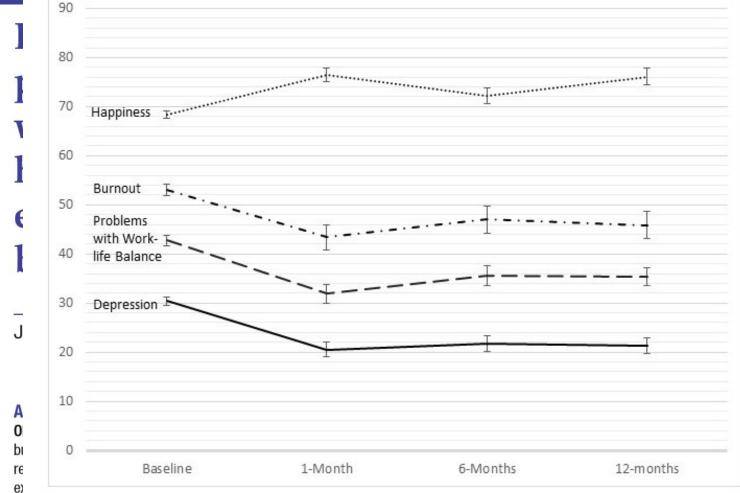


Seligman, Steen, Park & Peterson, 2005



#### **Open access**

### BMJ Open ]



**To cite:** Sexton JB, Adair KC. Forty-five good things: a prospective pilot study of the Three Good Things wellbeing intervention in the USA for healthcare worker emotional exhaustion, depression, work–life balance and happiness. *BMJ Open* 2019;0:e022695. doi:10.1136/ bmjopen-2018-022695

'Three Good Things' (3GT) intervention for HCWs, and added burn-out and work–life balance to the set of wellbeing metrics.

**Methods** 228 HCWs participated in a prospective, repeated measures study of a web-based 15-day long

and three postintervention follow-ups (1 month, 6 months and 12 months).

 Efficacy was assessed with four well-being measures: emotional exhaustion, depression symptoms, subjective happingss and work-life balance.





## "The negative screams at you, but the positive only whispers..." -- Barbara Fredrickson

# #1) We are hard-wired to remember the negative.



#3) With practice (by day 4 or 5) #1#2#feeting on the positive leads reviewed during hore positive leads.

### [S] Three Good Things Exercise, Day 7:

	What went well today, and what was your role in making it happen.	Which one of the following positive emotions best fits how this good thing makes you feel.	
Good Thing #1		<b></b>	
Good Thing #2		<b>_</b>	
Good Thing #3		<b></b>	
	0%		
	www.dukepatientsafetycenter.com		

Survey Powered By Qualtrics

>>

### [S] Three Good Things Exercise, Day 7:

	What went well today, and what was your role in making it happen.	Which one of the following positive emotions best fits how this good thing makes you feel.	
Good Thing #1	My 5 year old swam across the pool at the YMCA without any floaties for the first time today!	Pride -	
Good Thing #2	Watched as glorious pink/orange sunset behind the rolling hills where our leaves are changing colors - beautiful.	Awe -	
Good Thing #3	Made my wife laugh so hard her eyes watered, and so did mine.	Amusement -	
	0%	Amusement Awe Gratitude Inspiration	
	www.dukepatientsafetycenter.com Survey Powered By Qualtrics	Interest Joy Hope Love	
		Pride Serenity Other Not Applicable	

## 1. [S] Three Good Things Exercise, Day 9: What went well today, and what was your role in making it happen.

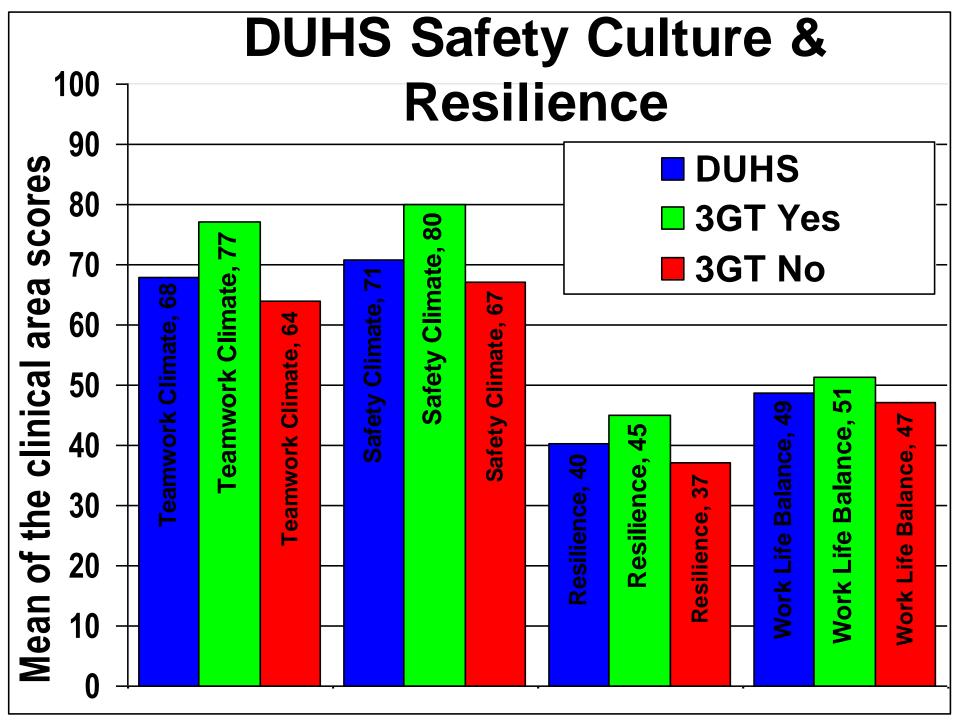
Good Thing #1 🔹	Good Thing #2	Good Thing #3
Able to give positive reference for Big Brothers/Big Sisters	Healthy niece per ultrasound	Spoke with my cousin
A coworker helped me by giving a TB test to another employee, when I was not able to do it.	My dad's Dr. appt went well today.	I watched a new TV show which really made me laugh!
A delicious dinner out	Meeting new people	Exploring a new city
another gorgeous fall day and I thought ahead to take vacation!	Got the car cleaned after I made it a point to get it done.	Base ball playoffs startWatched the Wild Card games on TV.Go Tigers!
Beautiful drive, loving the beginnings of fall color	Haircut,	Daughters working together on project,
Bought hubby great jeans for half price. As a surprise.	Meditated 20 minutes this A M.	Had quiet peaceful dinner and evening alone.
Complimented on use of bulletin board. My role: Posting quotes and funny sayings to make people think.	Enjoyed company of friends. My role: not being too tired to meet them.	Asked to assist someone and help them out of their shell. My role: Setting a good example, I was told
Did not feel well today, really stressed with school . Got dressed up and took my daughter to scouts. This worked out well ,we were able to get out of the house and start over.	Spent afternoon while at scouts with a dear friend visiting from California. So glad to see her and be able to get a few hours in catching up. She is going through tough times with her husband. I listened patiently and praised her for all the good things that she does for her family, I empowered her by listening and not judging. She is am amazing talented and strong woman. We all need to bend an ear.	Came home , husband fixed a wonderful omelet. Then took a nap. Had some snuggle time with husband, actually sat down and watched an entire movie with son and husbandSitting through a whole movie or show is not always easy for me to do, so I took the time for them and put everything else aside
Excited to work with a client in a new	Had fun teaching my class. Role: approached	Helped someone out by providing

Evaluation from Participants of 3GT

- 95.8% said that they would recommend the 3 Good Things exercise to a friend.
- 85.3% said that they have encouraged others to try 3 Good Things.
- 92.7% said they would like to participate in 3 Good Things again next year.



Three Good Things I can see my computer w/o glasses! (i) I LOVE MY NEW OFFICE DECORATIONS MY NEW PICTURE IS STILL ON THE WALL AT HOME ! 9 My Reliable Vehicle ! A gefully a low estimatel L Love my retirement MYSON IS HOME Family Dinners outside with great food - Soft FROM AFGANISTANII breezes \$ lots of Laughter " Friend's daughter's surgery went well 1 I CAME TO WORK TODAY !!! makes me happy. It's Potato chip day! In cafe! Homp Day BLEEBERRY DRIVE IS NOW DRY !! NEW SLEEP NUMBER BEDS! I LOVE MY HAIR! I LOVE D'S HAIR! Mike's haircut looks great! I'm thank ful for volunteers Adrign net Michael The happy Song: rehestia My BOSS! 3-DAY WEEKENDS !! Iomin. STEME's with letter to Editor! \*Family & weddings! & video of a Gator tan doing the fight song in a FSU tee shirl FlowER Boxes built by wonderful husbands who also buy flowers La in theme 1



#### **Effect Sizes**

	Baseline to 1-Mo Follow-up	Baseline to 6-Mo Follow-up
Burnout	.25	.34
concerning threshold sub-group	.61	.68
Depression	.41	.52
concerning threshold sub-group	1.57	1.38



#### Negative is like Velcro, positive is like Teflon

## 3GT enhances your ability to see the positive that is there

#### scalable from individual to work setting levels

## **3GT On Demand (start anytime)**

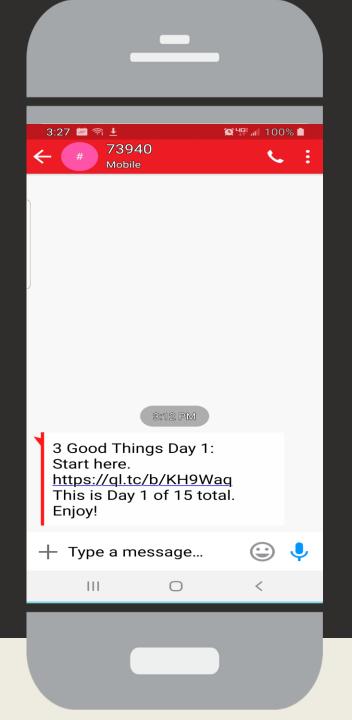
### **Choose Email or Text Formats**

# Share with your colleagues (bit.ly/start3gt)

Please use your mobile browser to go to:

# bit.ly/start3gt







#### Traditional Patient Safety Rounding Frame:

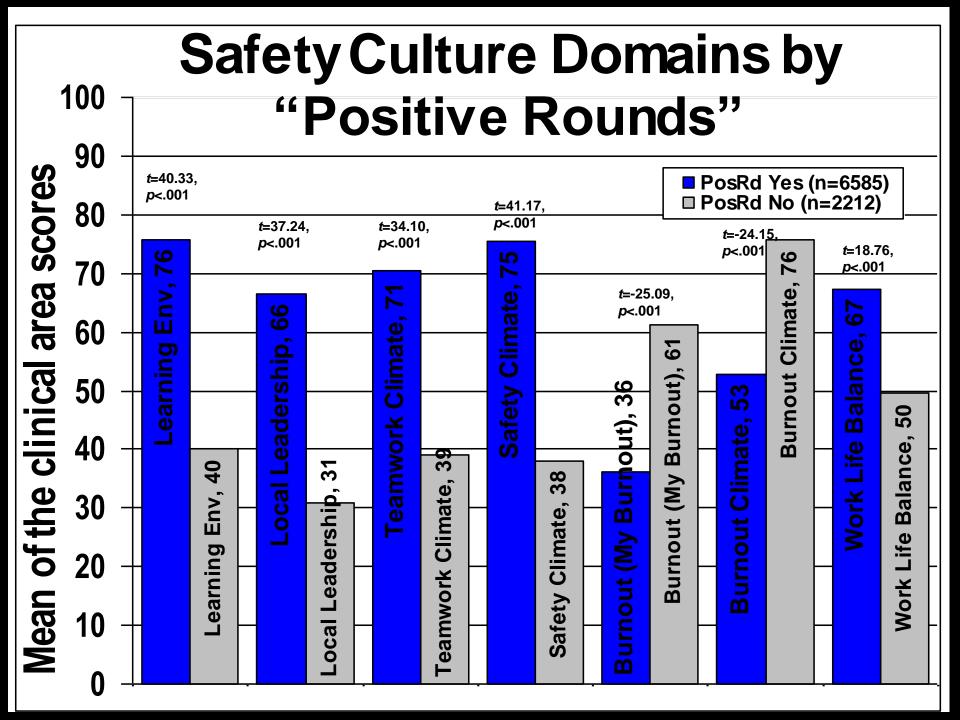
## "So how are we going to kill the next patient around here?"

#### **Positive Leader Rounds**

 Did leaders ask for information about <u>what is</u> <u>going well</u> in this work setting (e.g., people who deserve special recognition for going above and beyond, celebration of successes, etc.)?: Yes / No / Not Sure

#### **Positive Rounding Frame:**

"What are three things that are going well around here, and one thing that could be better?"



## **Resources at DUHS**

	Positive WR	Safety WR	Safe Choices	Schwartz Rnds	Upheaval Sprt
	ExpM(6573)/	ExpM(3697)/	ExpM(2906)	ЕхрМ(956)/	ExpM(2336)/
	UnexpM(2197)	UnexpM(2965)	/UnexpM(3243)	UnexpM(2767)	UnexpM(1669)
Improvement	82.75/60.39	85.94/64.99	79.04/73.95	77.36/72.50	84.39/67.90
Readiness	t=40.33,p<.001	t=36.83,p<.001	t=8.15,p<.001	t=5.15,p<.001	t=21.14,p<.001
Local Leadership	77.35/52.45	80.86/57.44	72.19/67.53	70.78/66.50	78.58/61.76
	t=37.24,p<.001	t=34.66,p<.001	t=6.22,p<.001	t=3.89,p<.001	t=18.19,p<.001
Teamwork Climate	71.33/55.28	72.73/59.03	66.91/66.08	67.39/65.40	72.23/59.24
	t=31.46,p<.001	t=26.38,p<.001	t=1.49,p=.137	t=2.40,p=.016	t=18.73,p<.001
Safety Climate	79.27/58.65	82.12/62.57	75.08/71.72	73.79/70.47	80.93/64.54
	t=42.82,p<.001	t=39.62,p<.001	t=6.04,p<.001	t=4.03,p<.001	t=23.97,p<.001
Personal Burnout	35.73/53.91	32.58/51.19	40.22/42.25	41.98/44.92	35.05/48.40
	t=-25.09,p<.001	t=-25.68,p<.001	t=-2.60,p<.01	t=-2.54,p<.011	t=-13.46,p<.001
Work-Life Climate	1.86/2.17	1.81/2.13	1.90/2.01	2.07/1.97	1.92/2.04
	t=-18.76,p<.001	t=-18.63,p<.001	t=-5.53,p<.001	t=3.52,p<.001	t=-5.17,p<.001

## **Resources at DUHS**

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Local Leadership	77.35/52.45	80.86/57.44	72.19/67.53	70.78/66.50	78.58/61.76
	t=37.24,p<.001	t=34.66,p<.001	t=6.22,p<.001	t=3.89,p<.001	t=18.19,p<.001
Teamwork Climate	71.33/55.28	72.73/59.03	66.91/66.08	67.39/65.40	72.23/59.24
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Personal Burnout	35.73/53.91	32.58/51.19	40.22/42.25	41.98/44.92	35.05/48.40
	t=-25.09,p<.001	t=-25.68,p<.001	t=-2.60,p<.01	t=-2.54,p<.011	t=-13.46,p<.001
Work-Life Climate	1.86/2.17	1.81/2.13	1.90/2.01	2.07/1.97	1.92/2.04
	t=-18.76,p<.001	t=-18.63,p<.001	t=-5.53,p<.001	t=3.52,p<.001	t=-5.17,p<.001
Positive Reflection Climate	80.73/56.62	84.17/61.47	76.52/70.92	74.41/69.89	82.02/64.92
	t=41.45,p<.001	t=38.44.p<.001	t=8.49,p<.001	t=4.58,p<.001	t=20.80,p<.001



## **Pausing and Reflecting**

- Large survey of workplace norms (n = 10,496) included three items on positive reflection:
- The learning environment in this work setting allows us to gain important insights into what we do well
- The learning environment in this work setting allows us to pause and reflect on what we do well.
- In this work setting local management regularly makes time to pause and reflect with me about my work.
  - Chronbach's alpha: .863

## **Factoring out positive reflections**

	Positive WR	Safety WR	Safe Choices	Schwartz Rnds	Upheaval Sprt
	ExpM(6573)/	ExpM(3697)/	ExpM(2906)	ExpM(956)/	ExpM(2336)/
	UnexpM(2197)	UnexpM(2965)	/UnexpM(3243)	UnexpM(2767)	UnexpM(1669)
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	t=41.45,p<.001	t=38.44,p<.001	t=8.49,p<.001	t=4.58,p<.001	t=20.80,p<.001

Relationship between positive rounding and well-being after controlling for positive reflections:

## Relationship between positive rounding and well-being after controlling for positive reflections:

# ZERO



#### **Second Victim Committee at Duke**

"this is soft and unworkable till we get some real numbers on this!"

Designed 4 items to go with our culture survey, each scored on a 5 point Likert scale from disagree strongly to agree strongly





I am aware of at least one colleague within my work setting
 who has been emotionally traumatized by an unanticipated clinical event.

Of those who report "agree," <u>only 24%</u> say that individuals emotionally traumatized by an unanticipated clinical event within my work setting receive appropriate support from DUHS

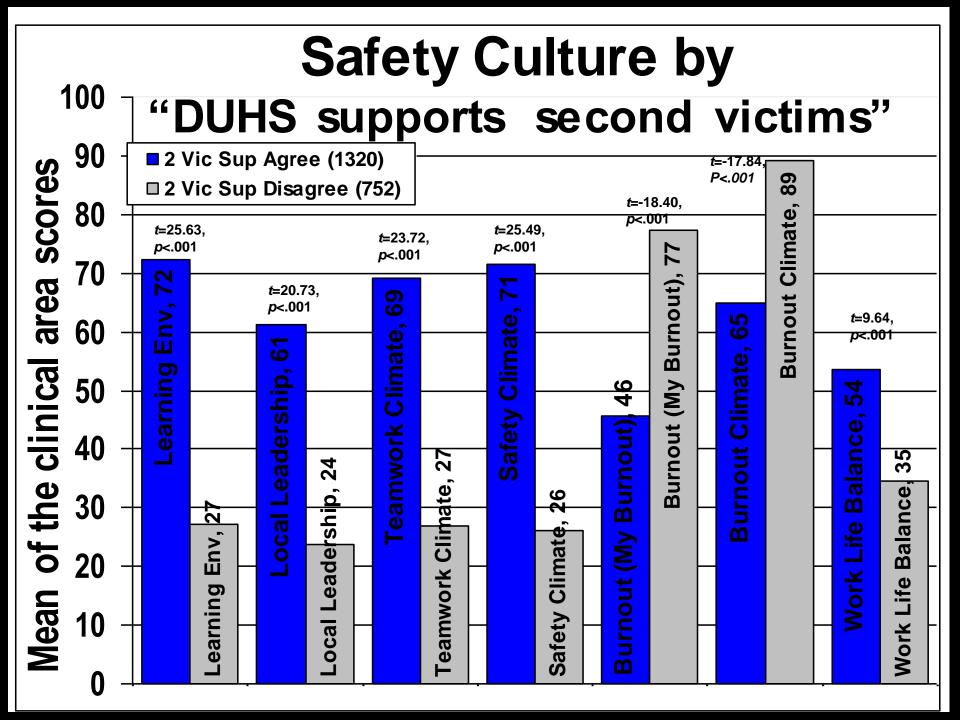
60% say that their colleagues are NOT supported...



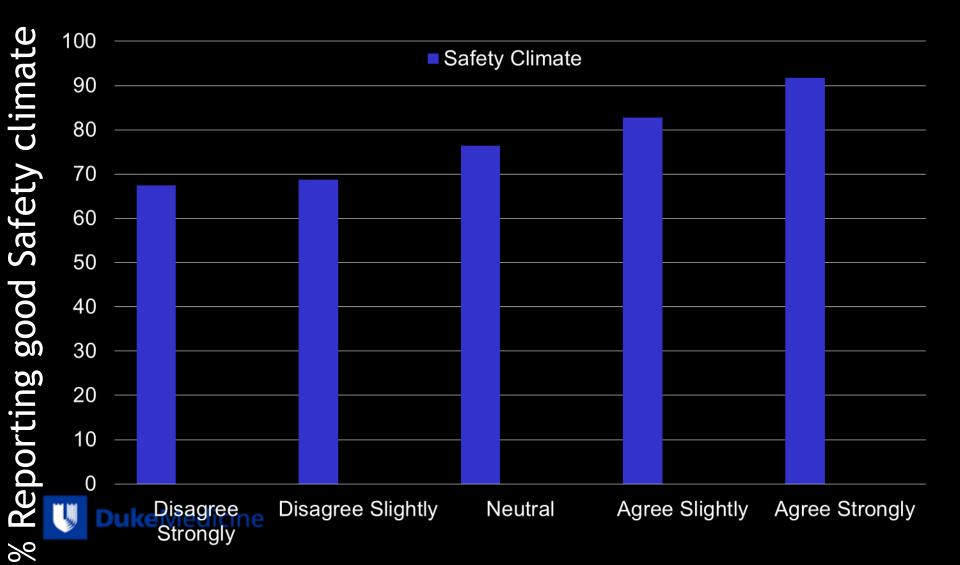
## The difference between feeling supported vs. not supported after second victim event:

# 2 Vic Sup Agree (1320) 2 Vic Sup Disagree (752)

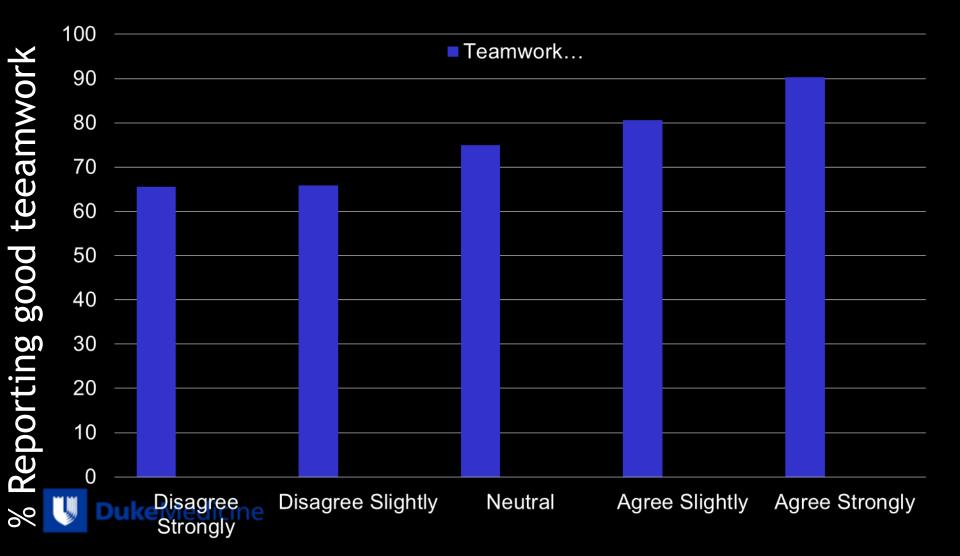




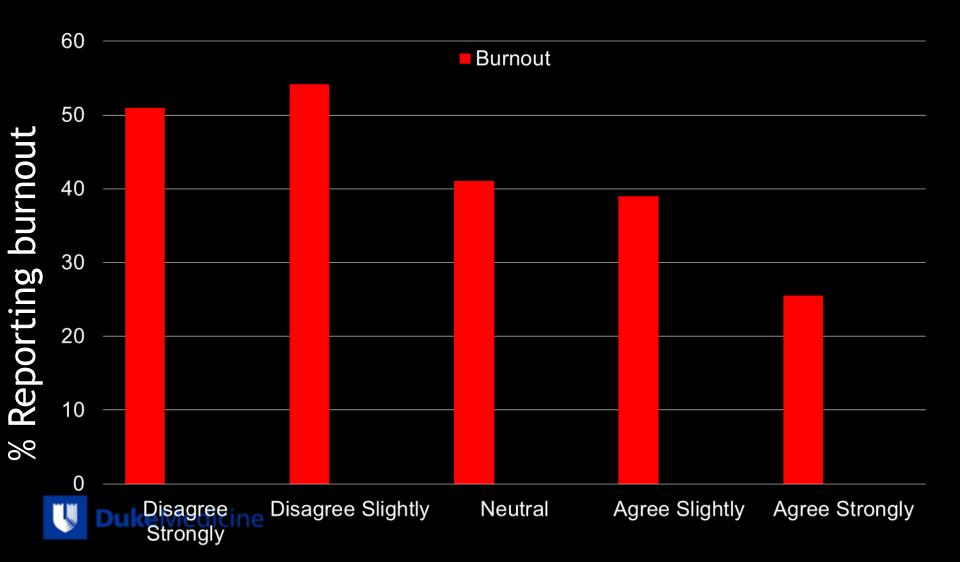
#### Safety Climate Scores by "Feeling Supported here agreement"



#### Teamwork Scores by "Feeling Supported here agreement"



#### Burnout Scores by "Feeling Supported here agreement"





## **Feeling Supported Clearly Predicts**

- Burnout
- Teamwork
- Disruptive Behaviors
- Patient Safety Norms
- Just Culture
- Delays in Delivery of Care
- "Events at work affect me in an emotionally unhealthy way"
- Work-Life Balance (esp sleep)
- WalkRounds Participation

UukeMedicine





### Examples

 Institutional Resources Schwartz Center Rounds ust Culture Training Positive Rounding **Safety Rounding** Second Victim Support a sources for individuals: Gratitude Letters: bit.ly/grattool Cultivate Hope: bit.ly/fwdtool 3 Funny Things: bit.ly/start3ft Cultivate Confidants: bit.ly/1goodchat Cultivate Are and Wonder: bit.ly/awetool Random Acts of Kindness: bit.ly/kindtext - Cultivate Mindfulness: bit.ly/3goodminutes

- Cultivate Interest & Curiosity: bit.ly/inttool
- 3 Good Things: bit.l start3gt







## Meeting Agenda Item

-One good thing so far this week



#### **Enduring Resources**

- Cultivate positive emotions: bit.ly/start3gt
- Cultivate humor: bit.ly/start3ft
- Cultivate gratitude: bit.ly/grattool
- Cultivate interest: bit.ly/inttool
- Cultivate awe: bit.ly/awetool
- Cultivate hope: bit.ly/fwdtool
- Mindfulness: bit.ly/3goodminutes
- Enroll in WISER: bit.ly/3wiser
- Cultivate relationships: bit.ly/1goodchat

Positive Emotion & calibrating to situation are keys to resilience

Frequency...not magnitude of positive emotion

#### www.hsq.dukehealth.org

**Resilience Ambassador Training in Durham, NC** 



#### Resources

Links at the end!
3 Good Things: bit.ly/start3gt 
2 day Resilience Retreat in Jan May & Nov





In person courses in Durham <u>Monthly Resilience Webinar series:</u> -1 hr continuing ed credit (MD/RN/Other) -Recorded, with Q&A -1 unique resilience tool each month

#### www.hsq.dukehealth.org

#### www.dukepatientsafetycenter.com

#### Monthly Resilience Webinar series:

- -1 hr cont ed credit (MD/RN/Other)
- -1 tool each month, Recorded, with Q&A
- •January Prevalence & Severity of Burnout: Workforce Resilience as Care Quality
- •February Enhancing Resilience: The Science and Practice of Gratitude
- •March Relationship Resilience: The Science of How Other People Matter
- •April Enhancing Resilience: Three Good Things
- •May Enhancing Resilience: Practicing Safe Stress and the Science of Sleep
- •June Psychological Safety: The Predictive Power of Feeling Supported When Things Go Wrong
- •July Science of Mindfulness
- •August Health Care Worker Resilience, Work Life Integration, and Burnout
- •September– Collaboration vs. Dealing with Difficult Colleagues: Assessing, Understanding and Improving Teamwork in a Clinical Area Near You
- •October Science of Wow: Cultivating Awe and Wonder as a Resilience Strategy
- •November Positive WalkRounds: Leader Rounding to Identify What is Going Well Links to Quality, Culture and Workforce Resilience
- •December Enhancing Resilience: Survival of the Kindest

#### www.dukepatientsafetycenter.com



#### bit.ly/dukewebinars

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Email Address

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Anything else you'd like us to know?

submit >>

#### Autobiography In Five Short Chapters by Portia Nelson

I walk down the street. There is a deep hole in the sidewalk I fall in. I am lost ... I am helpless. It isn't my fault.

It takes me forever to find a way out.

#### 

I walk down the same street. There is a deep hole in the sidewalk. I pretend I don't see it. I fall in again. I can't believe I am in the same place but, it isn't my fault.

It still takes a long time to get out.

#### 

I walk down the same street. There is a deep hole in the sidewalk. I see it is there. I still fall in ... it's a habit. my eyes are open I know where I am. It is my fault.

I get out immediately.

#### IV

I walk down the same street. There is a deep hole in the sidewalk.

I walk around it.

#### V

I walk down another street.

bit.ly/start3gt bit.ly/inttool bit.ly/grattool bit.ly/awetool bit.ly/kindtext bit.ly/3goodminutes bit.ly/fwdtool bit.ly/start3ft

