

### Finding Health and Happiness through Meaningful Connection Donal MacCoon, Ph.D.



The Waisman Laboratory for Brain Imaging and Behavior



Madison Psychiatric Associates

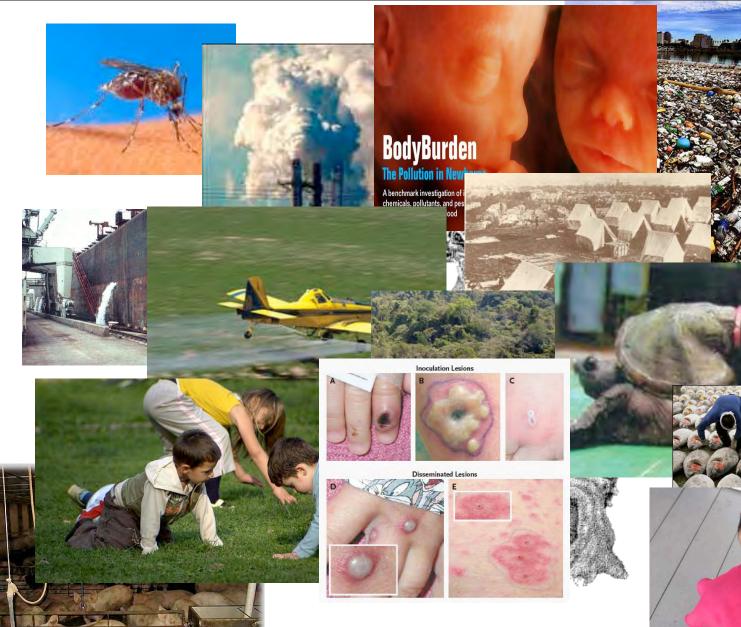
#### Sleeping with the enemy



# Sustainable well-being through meaningful connection

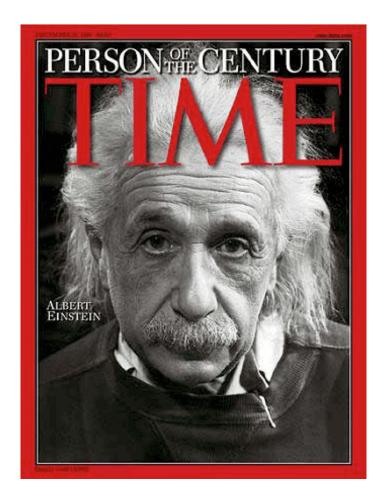
Donal MacCoon, Ph.D.

#### sustainable**wellbeing**.org



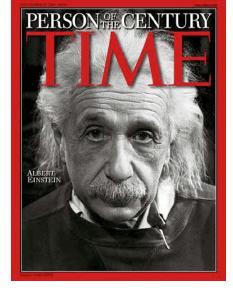


SPL



#### "One cannot alter a condition with the same mind set that created it in the first place."

## that mind-set is...



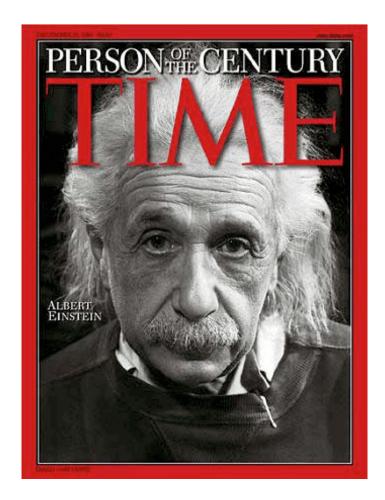
#### NOW

• One problem at a time

THEN

- Separate from nature
- Specialization
- Technology/reason/ knowledge will save us
- Power of one
- GDP

- --> solve by making it bigger
- --> part of
- --> integrating across fields
- --> importance of integrating emotion for wisdom
- --> power of us
- --> SWB



Not everything that matters can be counted. Not everything that can be counted matters.

Q: Which one is m	nore
Save Now Discard efficient?	0

To: Add Co   Add Boc Subject:	Send	Save Now	Discard
	<u>To:</u>		
Subject:		Add Col Add Bo	
Attach a file add event invitat		<u>Add 00   Add De</u>	10

- 10 minutes to send an email invitation to 100 people
- who comes is not important
- mindset not important
- process of inviting is not important
- can be quantified/counted



- 10 hours to hand-deliver invitations to 100 people
- who comes is important
- what mindset they bring is central
- process is part of the event
- cannot be fully quantified

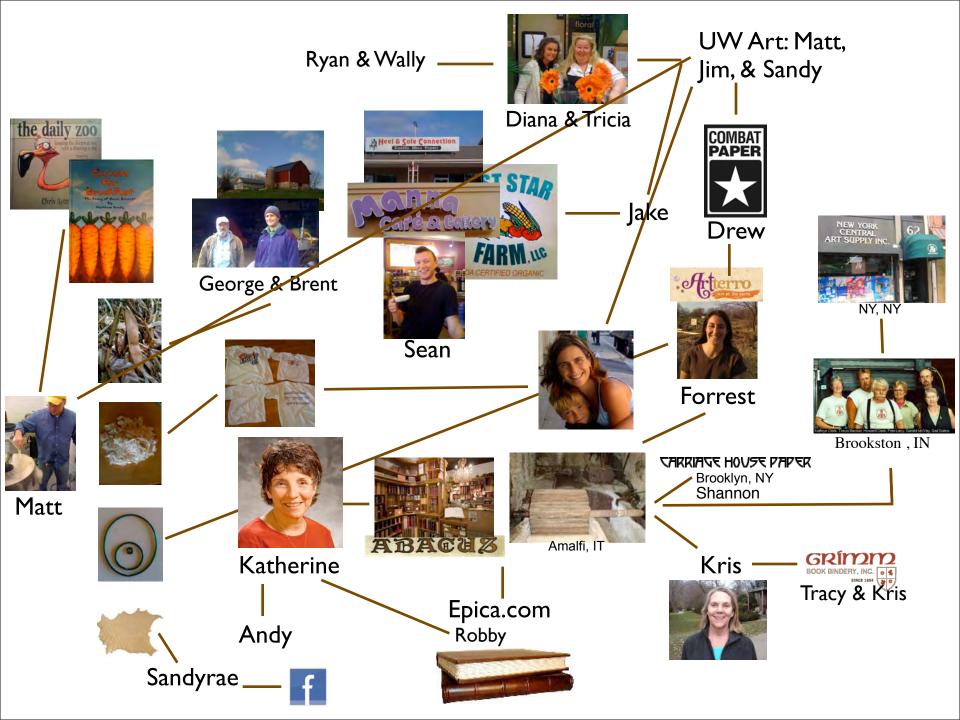
## A: It depends on your goal.

- Goal: to get most people with minimal effort
- Goal: to have a nourishing, soul-enriching, community-building event



#### Epica.com







Integration

- Combine (one thing) with another to form a whole
- from Latin integrat- 'made whole'
- Compare with *integrity*: the state of being whole and undivided Oxford Dictionary of English (revised edition)

## Connection

- A relation between
- A joining



### Finding Health and Happiness through Meaningful Connection Donal MacCoon, Ph.D.

#### What are we connecting?

#### Sustainable Well-Being



# Finding Health Wind Happiness through Meaningful Connection

#### What are we connecting? Mind, Body, Spirit Self, Community, Planet 7 generations





#### To what end? Sustainable Well-being



#### How?

Lifestyle & Culture Change

Mindfulness

Recognizing & living our interdependence



cai guo-qiang on the roof, transparent monument the metropolitan museum of art, new york, usa, 2006 "One does not become enlightened by imagining figures of light but by making the darkness conscious.

This procedure, however, is disagreeable and therefore not very popular."

Carl Jung "The Philosophical Tree" (1945).
 In CW 13: Alchemical Studies, p. 335

#### Sleeping with the enemy



# Sustainable well-being through meaningful connection

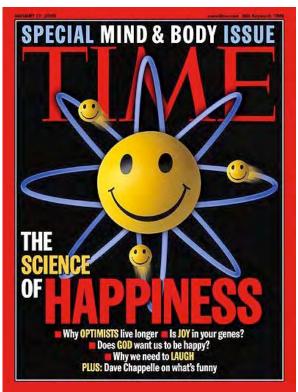
Donal MacCoon, Ph.D.

a Declarition by the Representatives of the UNITED STATES OF AMERICA in Concerct Congress assembled.

When in the course of human events it hearing an experies for the program dissolve the political barry which have employed them with program and to the a streme annual the provers of the carth. The product them and to the to thick the laws of native of natives that they should be have a decisit respect to the opinions of manched respects that they should declare the cards of the product the second to manched the second second second second to the opinions of manched respects that they should declare the cards of the product the second to the second the second second second second second second second second second to the second sec

12 hold these but has a second to the content of the that at a course & interpretation to the content of the content of the second produced to the content content of the c life # liberty, & the pressuit of happiness; that to secure these ents are instituted among men, deriving their just powers from the consent of the governed; that whenever any form of go should becomes destructive of these ends, it is the night of the people to all onto abolish it, It's institute new government, laying it's foundation such minciples Horganising it's provers in such form, a to them she th seem most likely to offer their safely d'reppines. ponden will dictate that governments long established should not be changed for light & transient causes : and accordingly all coperience half dum that mankind are more disposed to suffer while will are sufferable, than to right themselves by abolishing the forms to which they are accustomed . bu when a long train of abuses & usurprations [ begun at a distinguished prevised ing incertably the same stoject, eviness a design to reduce a support reduce + 11 to eminde new mands for their piter security, with has been the patient sufferance of these colonies; I such is now the necessity which constrains them to expringe their former sys. means thing of the Orthon of Mannen Manging invites and my which at more providing fact to contra-tomor of the net Josef quarter devices device the establishment of an absolute tyrning over these states to prove this let facts b submitted to a candid world for the truth of which we pledge a faith





## "Salud, amor, y pesetas, y tiempo para gosarlos"



• per hour?

#### Denominator • til it dies?

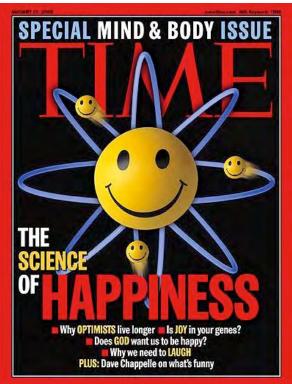
- per gallon?

a Declaration by the Representatives of the UNITED STATES OF AMERICA in General Congress assemble 2.

When in the course of some course of some and it some an again for a property to another participate barges of the participation of the for of the source of the source of the source of the carts the source of the carts the source of the carts the source of a decard of the source of a source of a source of the carts the source of the source of the carts the source of the carts the source of the source of the carts the source of the source of the carts the source of the carts the source of the sourc

We had a those hutter to be at the second of the state at life # liberty, & the pressuit of kappines; that to secure these, nents are instituted among men, deriving their gust powers from the consent of the governed , that whenever any form of government and becomes destructive of these ands, it is the night of the proofs to all onto abolish it. It is institute new government, laying it's foundation o such mineigles Horganising it's providin such form, a. to them she th seem most likely to offer their safely this primes. midenes will diclate that governments long established should not be changed for light & transient causes : and accordingly all experience half sheen that mankind are more disposed to suffer while eits are sufferable, than to right themselves by abolishing the forms to which they are accustomed . In when a long train of abuses & usurprations [ begun at a distinguished prevised any inverse tally the same object evenes a design to varies a design to varies and a sector of such + 14 to minide new mands for their pitere security, such has been the patient sufferance of these colonies : I such is now the necessity been the patient with formance of i redu colonies to such a most the received of thirds can strain them. To superior such that general superior of general superior the history of the provide order of the superior description of the superior the history of the provide order of the superior description of the superior the history of the provide of the superior of the superior of the contra-tion of the superior of the superior of the superior of the superior description of the superior the superior of t establishment of an absolute tyrning over these states to prove this let facts b submitted to a candid world For the truth of which we pledge a faith





#### **Denominator?**

## Scope of Measurement Problem

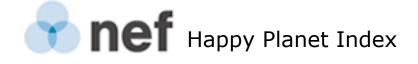
- Expertise, Specialization
  - leads to efficiency within very limited domain
  - leads to solutions for very narrow problems that may, in turn, cause other problems (e.g., pesticides grow more food but deplete the soil & harm health)

## Scope of Measurement Problem

- SWB is attempt to avoid this problem
  - It's not about climate change, dangerous chemicals, industrial "food", cancer, the re-emergence of infectious disease, reductions of clean water, war, poverty
  - It's about all of those and more

### Well-being

#### Resources to get WB



(Mental & Physical Health) \* Longevity

**Ecological Footprint** 



Well-being

Resources to get WB

Everyone cares • Ethics left out >>>> **Illusion of disconnect**ion Self-centered Verwohe short o care **Interdepende** ng as it Not as compe

#### How are we doing?

	Life Sat	Life Exp	EF	HPI	Rank
Vanuata	7.4	68.6	1.1	68.2	1
Costa Rica	7.5	78.2	2.1	66	3
Cuba	6.3	77.3	1.4	61.9	6
Switzerland	8.2	80.5	5.3	48.3	65
UK	7.1	78.4	5.4	40.3	108
Sweden	7.7	80.2	7	38.2	119
France	6.6	79.5	5.8	36.4	129
Lithuania	4.7	72.3	3.9	29.3	149
USA	7.4	77.4	9.5	28.8	150
UAE	7.4	78	9.9	28.2	154
Ukraine	3.6	66.1	3.3	22.2	174
Zimbabwe	3.3	36.9	1	16.6	178

Rank

150

Life Sat Life Exp

77.4

7.4

EF

9.5

HPI

28.8



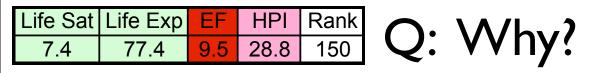




#### Well-being: Physical Health

24th in world for disability adjusted life expectancy

"Basically, you die earlier and spend more time disabled if you're an American rather than a member of most other advanced countries"



- Some groups (e.g., Native Americans, inner city poor) have extremely poor health, more characteristic of a poor developing country rather than a rich industrialized one
- HIV kills or disables more in U.S. than in most other advanced countries
- U.S. a leader for cancers relating to tobacco
- A high coronary heart disease rate
- High levels of violence, especially of homicides, when compared to other industrial countries (Crime is up 300% from 1950-1980 & still above 1950 levels; Layard, 2005)

#### A: Social Justice & Lifestyle



#### Well-being: Mental Health

Life Sat	Life Exp	EF	HPI	Rank
7.4	77.4	9.5	28.8	150

Table 2. Twelve-Month Prevalence of World Mental Health Composite International Diagnostic Interview/Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition\*

	% (95% Confidence Interval)				
Country	Anxiety	Mood	Impulse-Control	Substance	Any
Americas					
Colombia	10.0 (8.4-11.7)	6.8 (6.0-7.7)	3.9 (3.2-4.7)	2.8 (2.0-3.7)	17.8 (16.1-19.5)
Mexico	6.8 (5.6-7.9)†	4.8 (4.0-5 <i>.</i> 8)	1.3 (0.9-1.8)	2.5 (1.8-3.3)	12.2 (10.5-13.80)
United States	18.2 (16.9-19.5)	9.6 (8.8-10.4)	6.8 (5.9-7.8)	3.8 (3.2-4.5)	26.4 (24.7-28.0)
Europe					
Belgium	6.9 (4.5-9.4)	6.2 (4.8-7.6)§	1.0 (0.3-1.8)	1.2 (0.6-1.9)‡‡	12.0 (9.6-14.3)
France	12.0 (9.8-14.2)	8.5 (6.4-10.6)§	1.4 (0.7-2.0)	0.7 (0.3-1.2)‡‡	18.4 (15.3-21.5)
Germany	6.2 (4.7-7.6)	3.6 (2.8-4 <i>.3</i> )§	0.3 (0.1-0.6)	1.1 (0.4-1.7)##	9.1 (7.3-10.8)
Italy	5.8 (4.5-7.1)	3.8 (3.1-4 <i>.</i> 5)§	0.3 (0.1-0.5)	0.1 (0.0-0.2)‡‡	8.2 (6.7-9.7)
Netherlands	8.8 (6.6-11.0)	6.9 (4.1-9.7)§	1.3 (0.4-2.2)	3.0 (0.7-5.2)‡‡	14.9 (12.2-17.6)
Spain	5.9 (4.5-7.3)	4.9 (4.0-5 <i>.</i> 8)§	0.5 (0.2-0.8)	0.3 (0.0-0.5)‡‡	9.2 (7.8-10.6)
Ukraine	7.1 (5.6-8.6)†‡	9.1 (7.3-10.9 <u>/§</u>	3.2 (2.4-4.0)¶#**	6.4 (4.8-8.1)‡‡	20.5 (17.7-23.2)
Middle East and Africa					
Lebaron	11.2 (8.9-13.5)	6.6 (4.9-8 <i>.2</i> )	1.7 (0.8-2.6) <b>¶**</b>	1.3 (0.0-2.8)	16.9 (13.6-20.2)
Nigeria	3.3 (2.4-4.2)	0.8 (0.5-1.0)	0.0 (0.0-0.1)¶#**	0.8 (0.3-1.2)	4.7 (3.6-5.8)
Ania.					
Japan	5.3 (3.5-7.0)†	3.1 (2.2-4.1)	1.0 (0.4-1.5)¶#**††	1.7 (0.3-3.0)	8.8 (6.4-11.2)
People's Republic of China.					
Beijing	3.2 (1.8-4.6)†	– Source:WHO	World Mental Health S	Survey Consortiun	n ( <b>2004</b> ), <i>JAMA</i>
Shanghai	2.4 (0.9-3.9)†	_		1	× /′

## Q: Why?

- 1. Glorification of the individual [1]
- 2. Degradation of the commons [1]
  - Decreased civic involvement (esp. U.S.), <sup>1</sup>/<sub>2</sub> of which attributed to urban sprawl, T.V. viewing, & time limitations [2, p. 18]
  - Time poverty [3]

Life Sat	Life Exp	EF	HPI	Rank
7.4	77.4	9.5	28.8	150

- U.S. works more than any other industrialized country
- We work nearly 9 full weeks (350 hours) longer per year than our peers in Western Europe

#### A: Lifestyle

[1] Seligman (1990); [2] State of the World, 2004; [3] <u>http://www.timeday.org</u>/

#### Well-being





## **Resources Used**

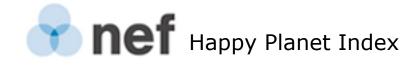
Life Sat	Life Exp	EF	HPI	Rank
7.4	77.4	9.5	28.8	150

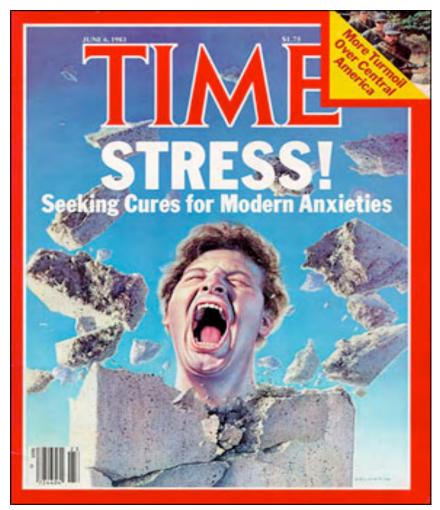
- U.S. uses 6.8 planets worth of resources
- We use more energy/person than any other country (except UAE)
- U.S. & allies outspend all non-allies militarily
- "Providing adequate food, clean water, and basic education for the world's poorest could all be achieved for less than people spend annually on...

makeup, ice cream, and pet food" (p. 10, State of the World, 2004)

(Mental & Physical Health) \* Longevity

#### **Ecological Footprint**





Work more, achieve less, & destroy the planet in the bargain

#### DSM-IV Diagnosis

Wacked out the booty

#### What are we integrating?

Mind, Body, Spirit Self, Community, Planet 7 generations



Well-being

FF



#### To what end? Sustainable Well-being =



#### How?

Lifestyle & Culture Change

Mindfulness

Recognizing & living our interdependence

#### What are we integrating?

Mind, Body, Spirit Self, Community, Planet 7 generations





To what end? Sustainable Well-being =



What is the treatment? Lifestyle & Culture Change Mindfulness Recognizing & living our interdependence



## Connections

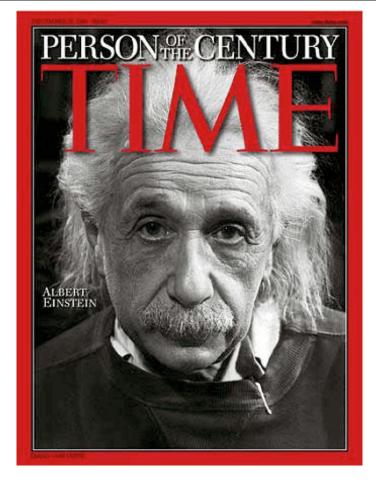
• Within the self





### eeew!

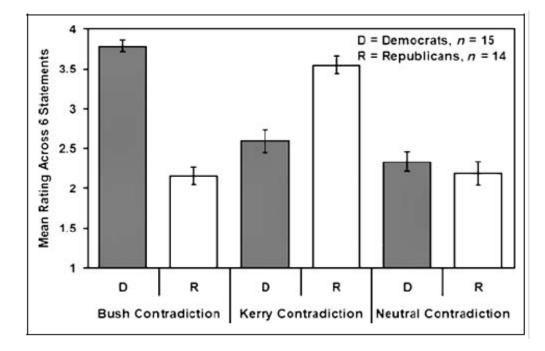
- In order to get rid of this emotion -- to change the contents of our own mind -- we may kill the spider
- We consume, buy, shop, distract, etc. often to make ourselves feel better
- The power of emotion
  - Get rid of negative emotions
  - Hold on to positive emotions



"The intuitive mind is a sacred gift, and the rational mind is a faithful servant. We have created a society in which we honor the servant and have forgotten the gift." (Einstein, cited by Max-Neef, 2005)

### Bounded rationality vs. Motivated reasoning

- Democrats & Republicans read statements about Bush, Kerry, or Tom Hanks (for ex)
- Consistently identified contradictions in "other" candidate but not own



- Negative emotion registered when contradiction was introduced
- With time to reach biased conclusion, negative affect gone
- "brain converges on solutions that minimize negative and maximize positive affect states" (Westin, et al., 2006, Jo of Cog Neuro, p. 1947)
- Lesson: emotion can lead the mind so get it on board with change



## **Connecting to ourselves**

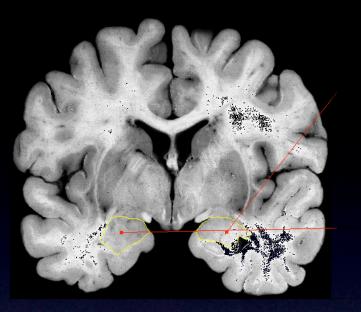
- Authenticity associated with less depression & anxiety, lower stress, greater subjective vitality, & lower physical Sxs (Ryan, LaGuardia, & Rawsthorne, 2005)
- More distinct one is across different roles, less well-being (Sheldon, Ryan, et al. JPSP, 1997)



## **Diseases of dis-integration**

### Repression

- Report low anxiety but exhibit anxious physiology (Weinberger, et al., 1973, JAP)
- Defensive Deniers
  - higher (and medically significant) cardiovascular reactivity associated with higher distress relative to genuinely healthy individuals (Shedler, Mayman, et al., 1993)



## Amygdala

- Amygdala fires to
  - jump from the snake or bus
  - avoid danger
- Attention is needed even for awareness of amygdala-mediated stimuli (Pessoa, Padmala, & Morland, 2005, NeuroImage)



## Mindfulness

- Paying attention, on purpose, nonjudgmentally
- Being aware of sensations, thoughts, emotions occurring right now without judgment



## Mindfulness effective for...

- Anxiety, depression, stress, burnout (e.g., Cohen-Katz, Wiley, et al., 2005; Ma & Teasdale, 2004; Teasdale, Segal, Williams, et al., 2000)
- Chronic pain (Kabat-Zinn, 1982; Kabat-Zinn, Lipworth, & Burney, 1985)
- Substance abuse (Bowen, Witkiewitz, Dillworth, et al., 2006)
- Arthritis (Pradhan et al., 2007)
- Diabetes (Gregg, Callaghan, et al., 2007)
- Fibromyalgia (Sephton et al., 2007; Grossman, et al., 2007)
- **Psoriasis** (Kabat-Zinn et al., 1998)



## Mindfulness effective for...

- Positive resting frontal alphaasymmetry (Davidson, et al., 2003; Barnhofer et al., 2007)
- Immune Function (Davidson, Kabat-Zinn et al, 2003)





## ...and different types of people

- Cancer patients (Speca, Carlson, et al., 2000; Monti, Peterson, et al., 2005; Carlson, Speca, et al., 2007)
- Health care professionals (Shapiro, et al, 2005)
  - Medical Students (Shapiro, et al., 1998)
  - Nurses (Cohen-Katz, Wiley, et al., 2005)
- Women with heart disease (Tacon, McComb, Caldera, Randolph, 2003)
- **Prisoners** (Bowen, Witkiewitz, Dillworth, et al., 2006)
- Borderline Personality Disorder (DBT, Linehan, 1993)

## Silence

Why are you so afraid of silence, silence is the root of everything. If you spiral into its void a hundred voices will thunder messages you long to hear.

- Rumi



## Mindfulness

- Being aware is the act of integrating, connecting to all parts of ourselves
- It is re-membering ourselves
- welcoming them into awareness without judgment



## Connections

- Within the self
  - Within the mind
  - With the body

- Mindfulness (bodyfulness)
- still focused on the individual





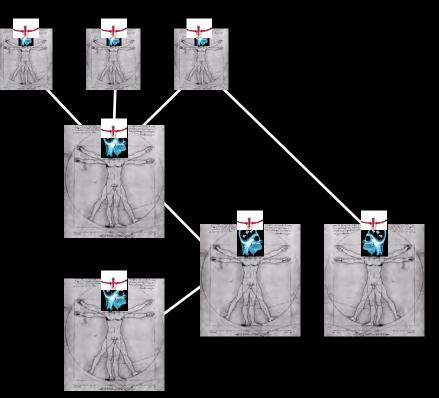
## **Beyond Self**



## The Big Us

## Connections

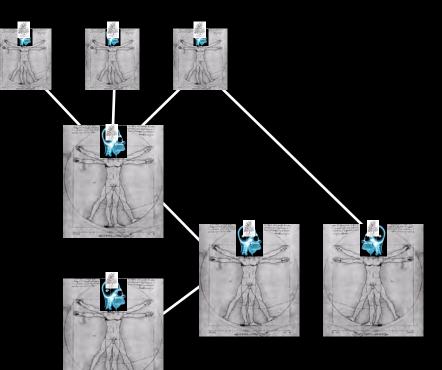




## Connections





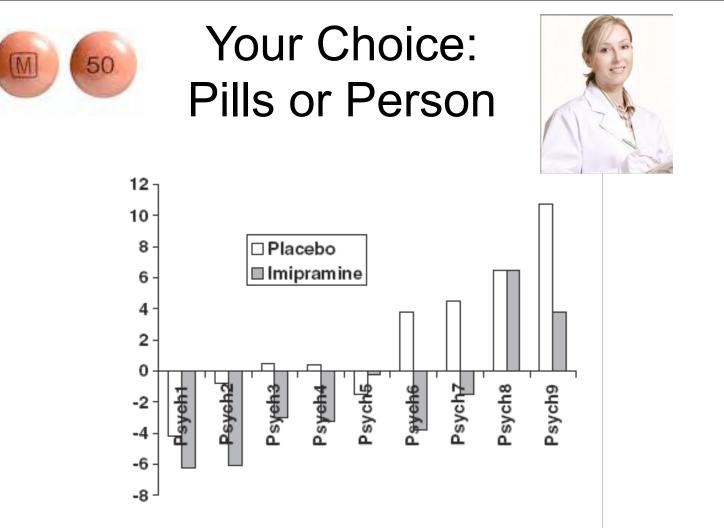


# We are not separate from our context

- Depleting fishery (resource dilemma task)
- 10/30 words on sentence completion task either cooperation or neutral words
- Those primed subliminally for cooperation

   those with conscious cooperation goal >
   neutral words for fish returned to common
   resource

Bargh, Gollwitzer et al. (2001, Expt 2)



Variance in BDI due to medication = 3.4% vs. 9.1% d/t psychiatrist
HAM-D=5.9% & 6.7%

McKay, Imel, & Wampold (2006), J. of Affective Disorders

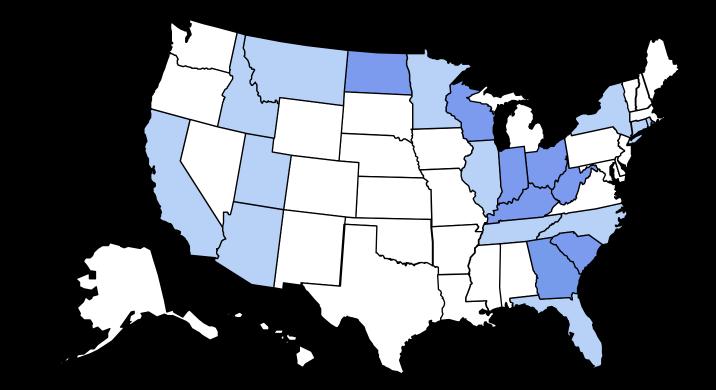
"No cashier held a gun to our heads and made us supersize it, true enough. But humans have a built-in weakness for fats and sugar. We evolved in lean environments where it was a big plus for survival to gorge on calorie-dense foods whenever we found them. Whether or not they understand the biology, food marketers know the weakness and have exploited it without mercy. Obesity is generally viewed as a failure of personal resolve, with no acknowledgement of the genuine conspiracy in this historical scheme. People actually did sit in strategy meetings discussing ways to get all those surplus calories into people who neither needed nor wished to consume them. Children have been targeted especially; food companies spend over \$10 billion a year selling food brands to kids, and it isn't broccoli they're pushing. Overweight children are a demographic in many ways similar to minors addicted to cigarettes, with one notable exception: their parents are usually their suppliers."

Barbara Kingsolver, Animal, Vegetable, Miracle: A Year of Food Life, p. 15

"No cashier held a gun to our heads and made us supersize it, true enough. But humans have a built-in weakness for fats and sugar. We evolved in lean environments where it was a big plus for survival to gorge on calorie-dense foods whenever we found them. Whether or not they understand the biology, food marketers know the weakness and have exploited it without mercy. Obesity is generally viewed as a failure of personal resolve, with no acknowledgement of the genuine conspiracy in this historical scheme. People actually did sit in strategy meetings discussing ways to get all those surplus calories into people who neither needed nor wished to consume them. Children have been targeted especially; food companies spend over \$10 billion a year selling food brands to kids, and it isn't broccoli they're pushing. Overweight children are a demographic in many ways similar to minors addicted to cigarettes, with one notable exception: their parents are usually their suppliers."

Barbara Kingsolver, Animal, Vegetable, Miracle: A Year of Food Life, p. 15

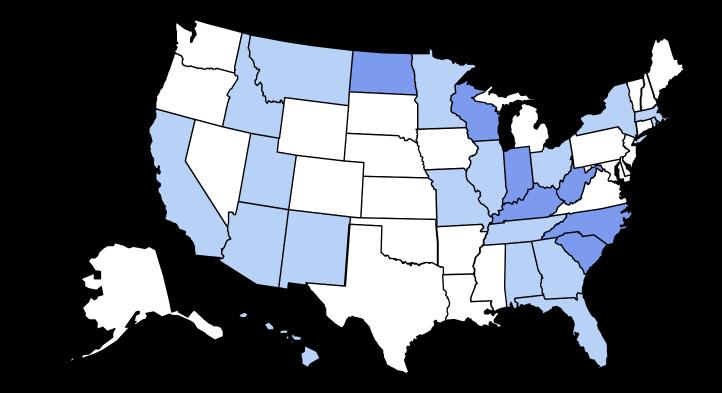
(\*BMI  $\geq$  30, or ~ 30 lbs. overweight for 5' 4" person)





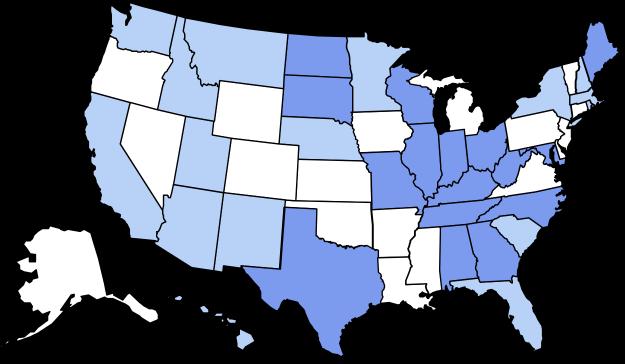


#### Courtesy of Jude Sullivan, UW-Sports Medicine



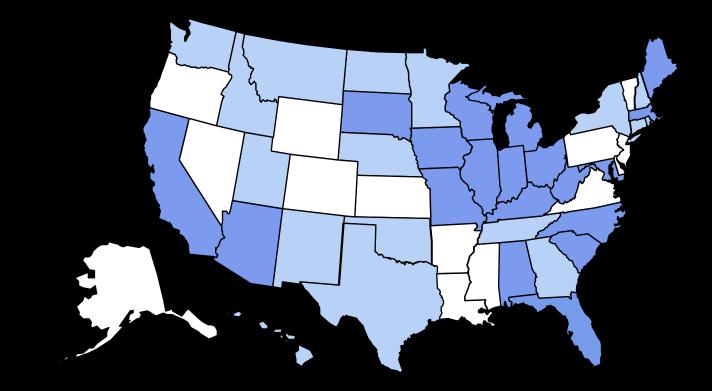






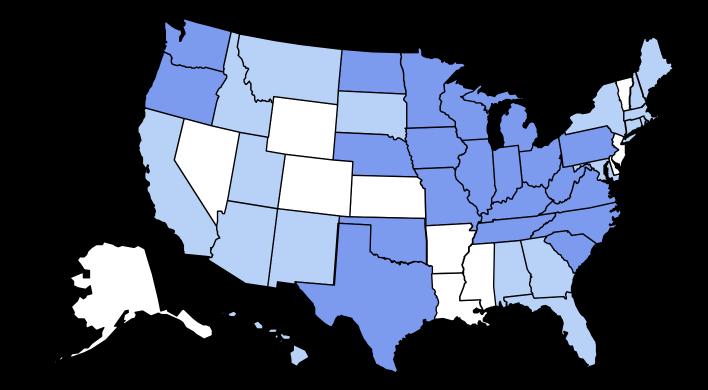






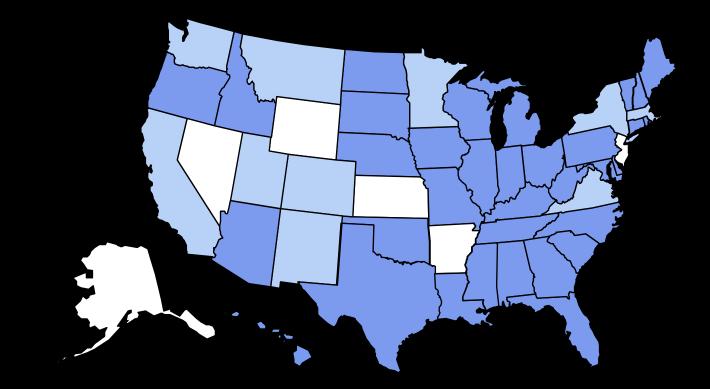






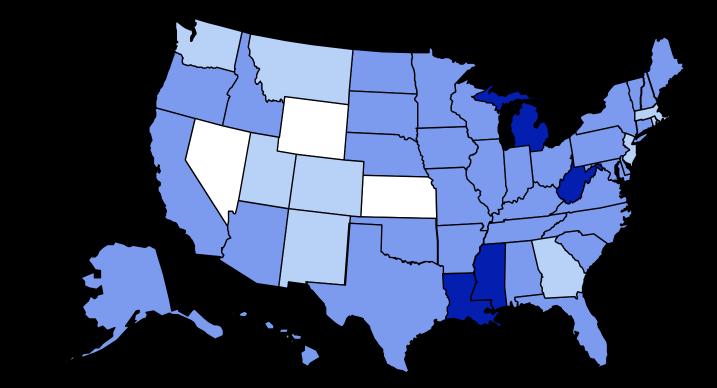


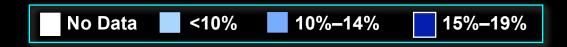




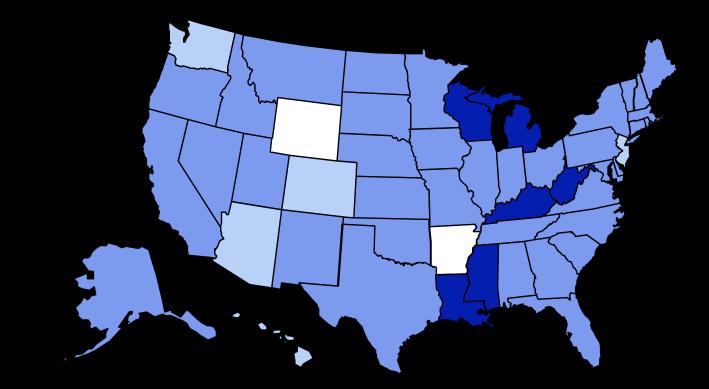






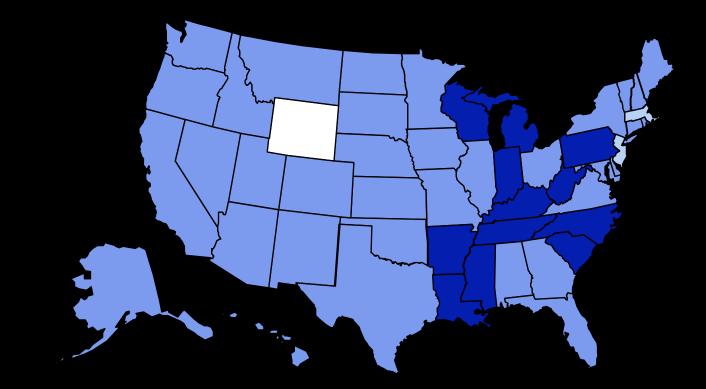






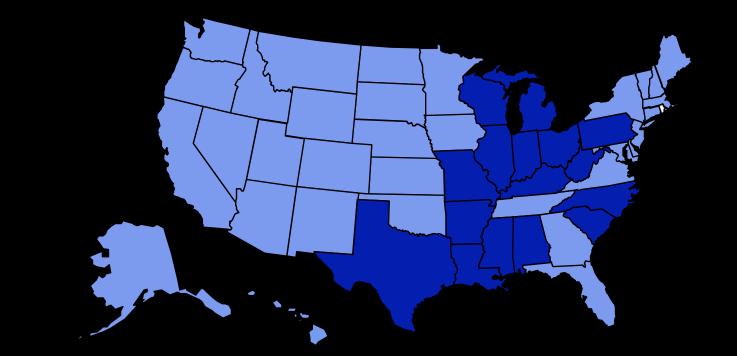






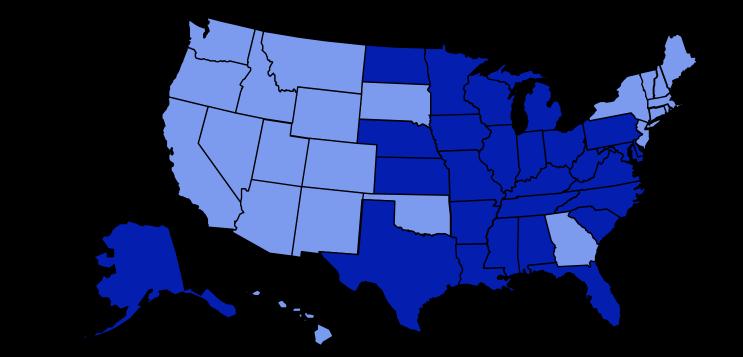






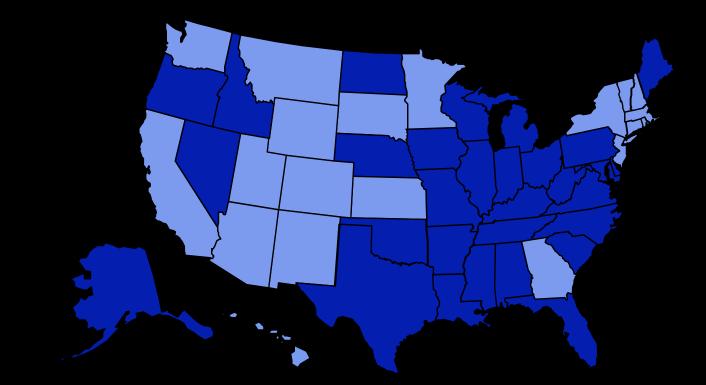






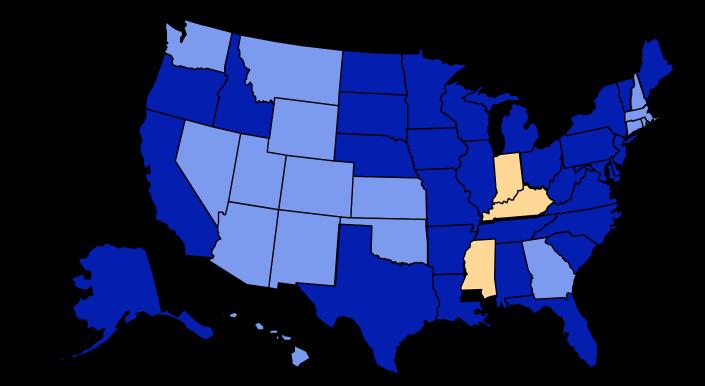






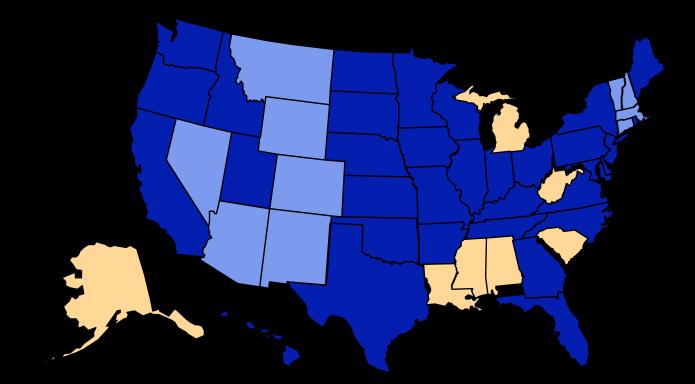






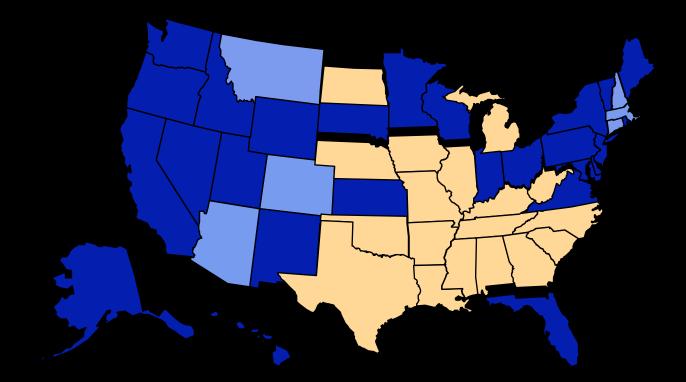


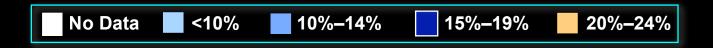




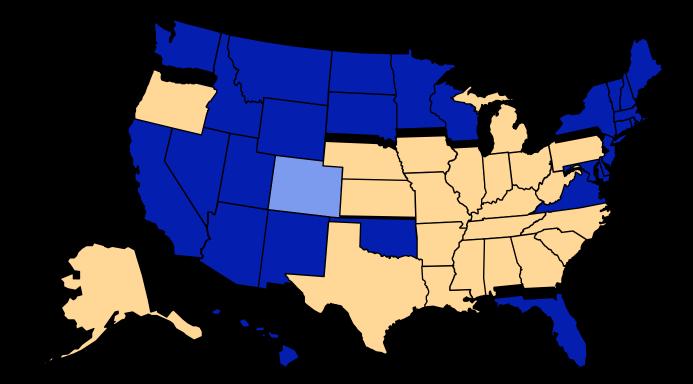






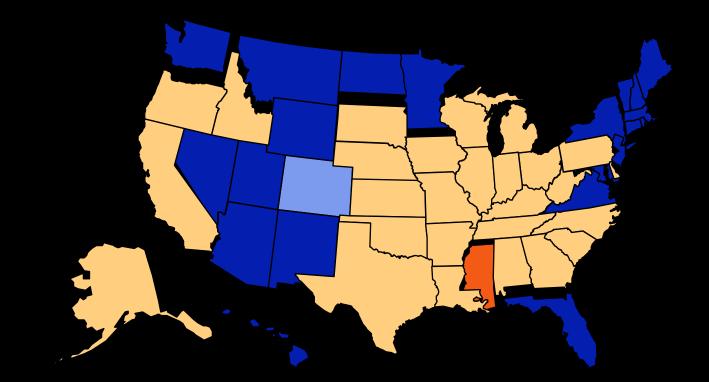


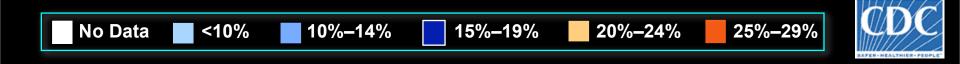


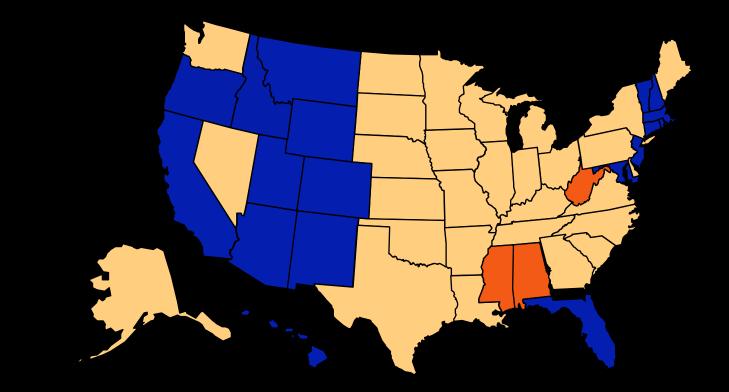


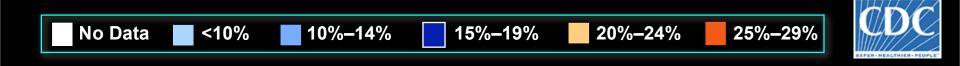


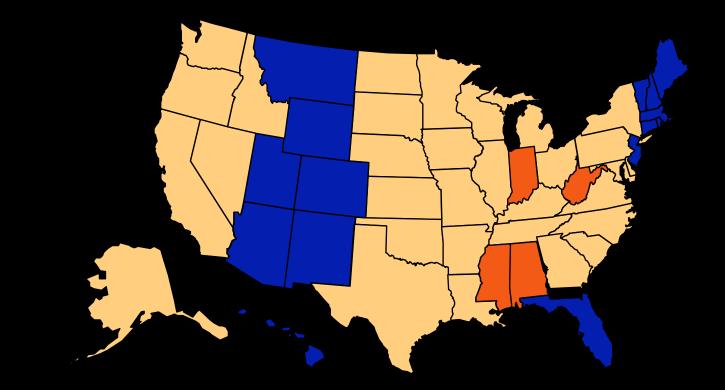




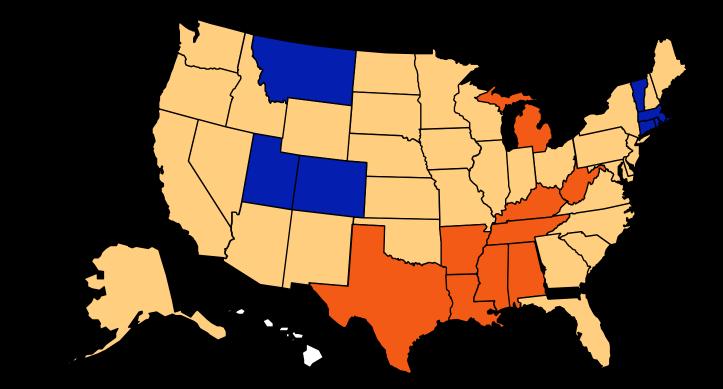


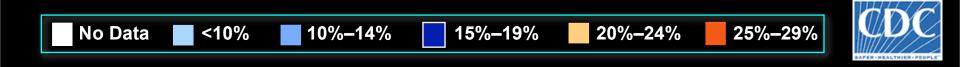


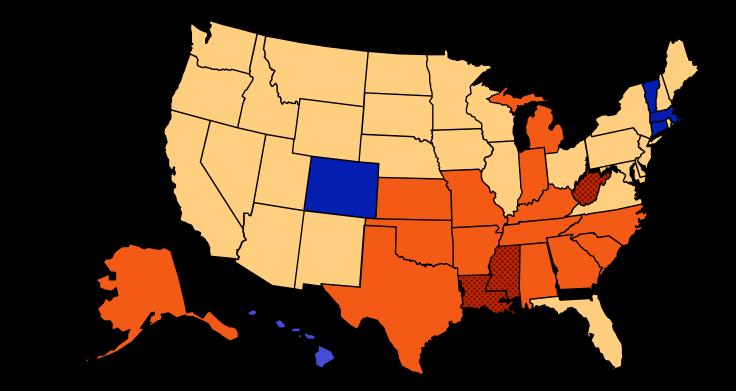




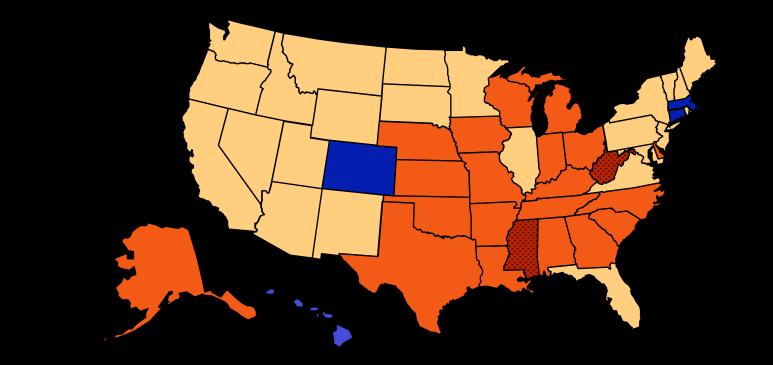


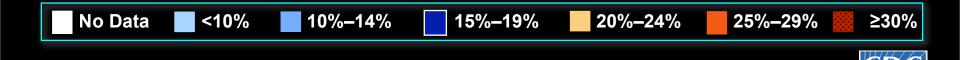












# How does this happen?

- Capitalism: Most effective system of noncoercive control yet invented
- True costs are not included so maximizes the wrong things (e.g., trees are worth more dead than alive)
- Don't include costs because it's individual's problem of will

## Stroop Task

XXXX XXXX XXXX XXXXX XXXX XXXX XXXXX XXXX ХХХХ жжж XXXX XXXX XXXX 0.6.6.6 XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXX XXXXX XXXX XXXX XXXX XXXXX XXXXX XXXX XXXX XXXX XXXX XXXX XXXXX XXXX хөхөхс

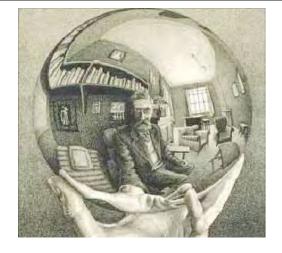
Read the font color – as quickly and accurately as possible

## Stroop Task

**BLUE** GREEN YELLOW BLUE RED GREEN RED BLUE GREEN **TELLOW** GREEN YELI BLUE W  $\mathbf{OW}$ RED BLUE RED GREEN BLUE GREEN YELLOW BLUE RED YELLOW GREEN BLUE RED GREEN BLUE YELLOW RED

Read the font color – as quickly and accurately as possible

#### Milgram's Obedience Studies % Showing Obedience Initial study 65% 48% Low-prestige setting Teacher, learner together 40% 30% Teacher touches learner 22% Teacher, Exp apart Non-professor in charge 20% 10% Two confederates rebel



## True neurally. Mirror Neuron System

- Observing an action = Doing that action
- Experiencing disgust & observing someone's disgust both activate anterior insula (Wicker, Keysers, et al., 2003, Neuron)
- Empathy: to put oneself in the place of others



## Empathy, Compassion, & Fairness

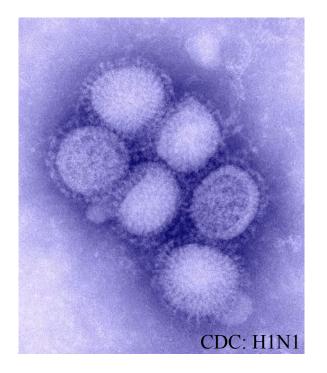
- Empathy: High functioning autistic individuals have less activation in MNS areas than controls when imitating emotional facial expressions (Depretto, et al, 2006, Nat Neurosci)
- Compassion: AC & Anterior insula activate when partner feeling pain (Singer, et al., 2004, Science)
- Fairness: AC & Anterior insula activated when neuroeconomic games are played fairly or not (Singer, et al., 2006, Nature)

# Wisdom of Crowds

- Jelly Beans (Treynor, 1987)
  - Jar with 850 beans, group estimate 871
  - 1 out of 56 people made better guess
- Estimate of room temp (Knight, 1921)
  - Ave estimates of class at Columbia U.
  - Guess = 72.4 degrees, actual = 72 degrees
- Rank items by weight (Gordon, 1924)
  - Asked 200 students to rank items by weight
  - Groups estimate 94% accurate, better than all but 5 indiv guesses

Source: James Surowiecki, The Wisdom of Crowds: Why the Many Are Smarter Than the Few and How Collective Wisdom Shapes Business, Economies, Societies and Nations





## Google better than CDC at predicting flu (2007-8)

CNNhealth.com, 12/9/08

# Summary

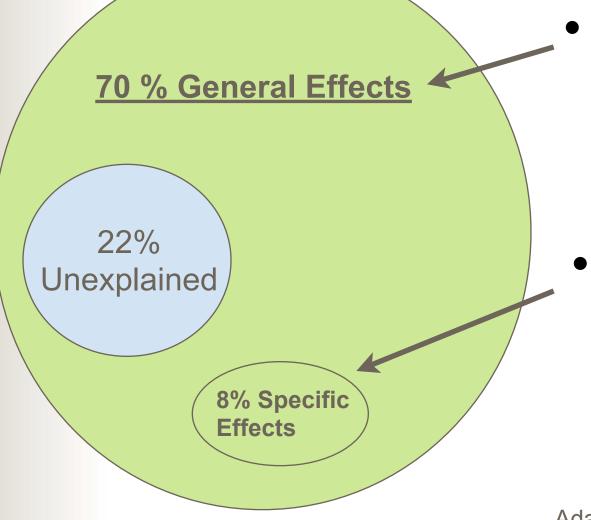
- We have less personal control than our culture pretends we do
- We think, feel, and behave the way we do largely because we're influenced by others & our environment
- We are sometimes wiser as a group
- The further we get from physical contact, the easier it is to treat others as if they are not human (not us)

# SWB: 3 Projects

### Science

- Robust measure with behavioral & physiological validation
- Creation of "treatment" to increase SWB
  - Community + Mindfulness + Health & Environmental education
  - Best "treatment" is a healthy community
- Local quarterly retreats with SWB theme
  - Mindfulness, silence, small groups
  - A little education

## What makes a treatment effective?



- Factors common to treatments
  - being in a group
  - attention
  - time out
- not the specific ingredients

Adapted from: Wampold (2001)

## **Best Treatment is Community**

## 5-acre prairie restoration

## 5-acre organic CSA farm

## Community Gardens 5 acres (320 plots)

Troy Co-housing 30 units, mixed income

## **Troy Co-housing**

- Lifespan design
- Universal design
- Green space
- Promote community
- Green built & energy star
- Low operating costs
- Affordable: 20 (of 30) units permanently at affordable housing rates
- 2007 Livable Community Award from AARP & NAHB



# GROWING TOGETHER



"In summer, me and my friend Lonzo planted some bright orange carrots. I hope there is always a garden for all the Vera Court kids." *Tesha Lynn Bell* 

#### troy gardens



# Vision

Troy Gardens is a welcoming cohousing community where we cultivate sustainability and meaningful connections with one another and the land through celebration, cooperation, and open communication.



# ChildrenSocialDigesting information

117

EE ---- [0]

88

THE REAL

THIN I

1.00

----- Et

10

# Sharing...

- Meals
- Childcare
- Cars?
- Financing to increase renewables?
- Homes to increase density?
- Largest obstacles?
  - Intending to change
  - Getting along
  - Time

# Conclusions

- We won't solve problems with the same mindset that created them
  - Specialists = disconnection
  - solve one problem at a time
- Need to evolve our culture rapidly
  - Do it through community, relationships, connecting
  - Knowledge AND emotion
  - Measure success through SWB

# How can we connect?

- Be silent in solitude (e.g., mindfulness, prayer, walk in the woods, look at the stars)
- Mindfulness: notice thoughts, emotions, body without judgement (e.g., MBSR)
- Skillful communication
- Form or join a community (e.g., sangha, church, etc.)
- Form or join SWB retreat
- Help with SWB research
- Be less busy. Be you.

# Thank you

- Rizwan Ahmad & Greg Reeb
- SWB Science Group
  - Richard Davidson
  - Zac Imel
  - AC Del Re, Brianna Schuyler, Emma Seppala, Helen Weng, Hyejeen Lee, Jack Nitschke, Kaelyn Stiles, Melissa Rosenkranz

## **Beyond Self**



## The Big Us

sustainable**wellbeing**.org