

นโยบายการทำงาน

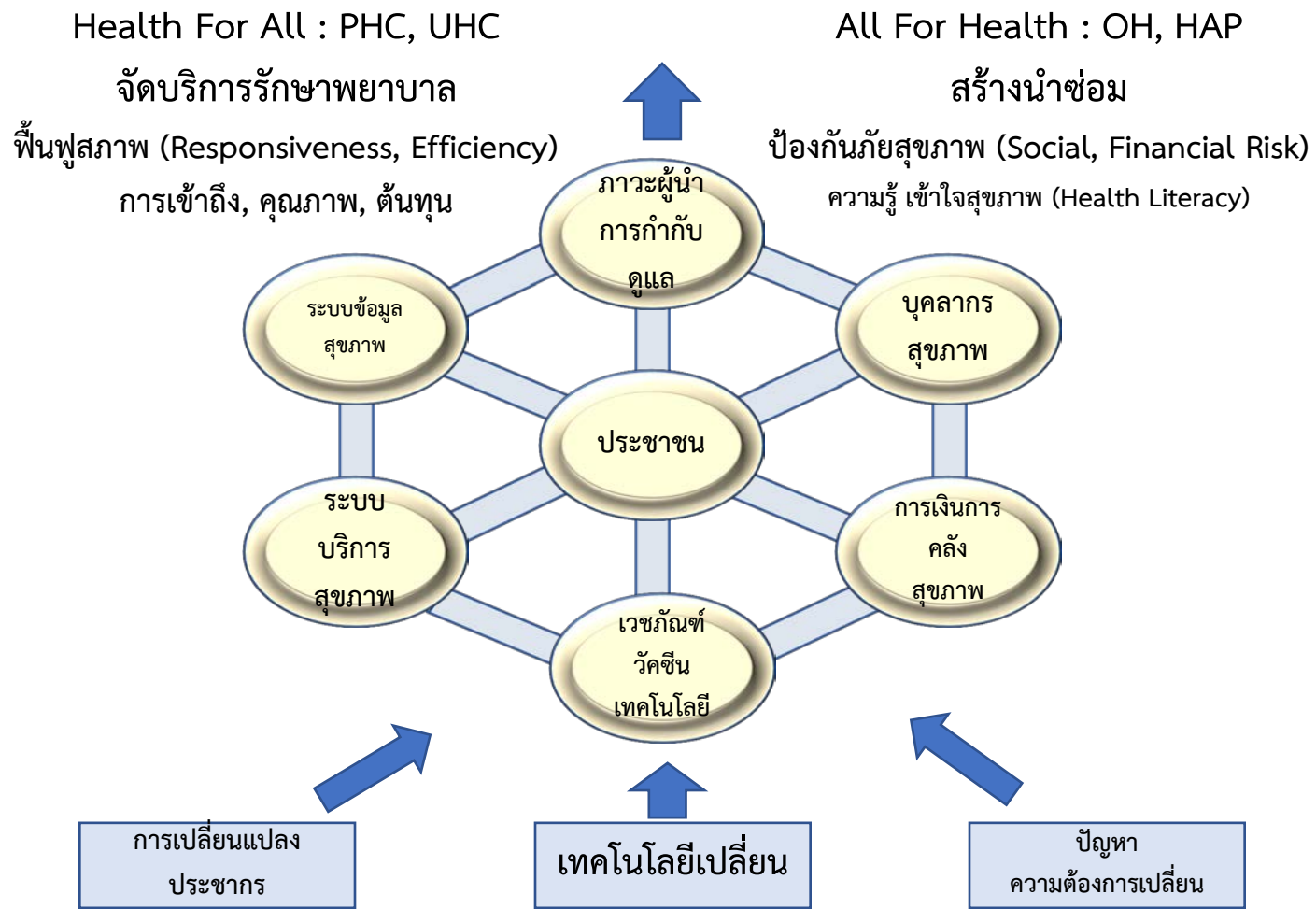
เขต 8

2562

นพ.ชาญวิทย์ ทระเทพ



คนไทยมีอายุคาดเฉลี่ยที่มีสุขภาพดี (Improved Health) ผลผลิตต่อ
ช่วงชีวิต (Productivity/Life Span) เพิ่มขึ้นอย่าง ยั่งยืน



คนไทยมีอายุคาดเฉลี่ยที่มีสุขภาพดี (Improved Health) ผลิตภาพต่อช่วงชีวิต (Productivity/Life Span) เพิ่มขึ้นอย่าง ยั่งยืน

Health For All : PHC, UHC

จัดบริการรักษาพยาบาล

ฟื้นฟูสุขภาพ (Responsiveness, Efficiency)

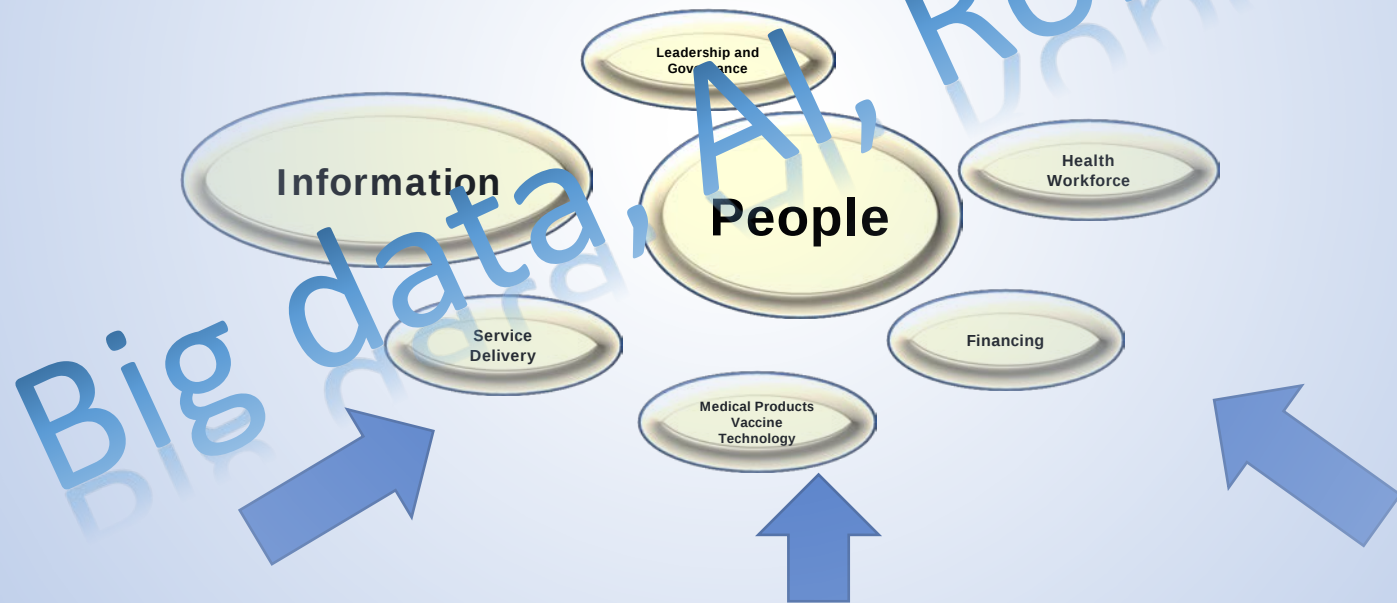
การเข้าถึง, คุณภาพ, ต้นทุน

All For Health : OH, HAP

สร้างนำซ่อม

ป้องกันภัยสุขภาพ (Social, Financial Risk)

ความรู้ เข้าใจสุขภาพ (Health Literacy)

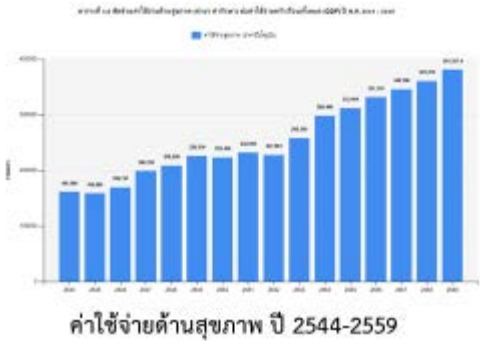


Demographic
Change

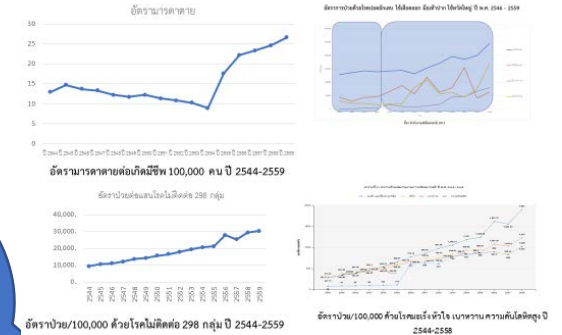
Technology
Change

Problems and
Demands

Vicious Circle of the Sick Care



ประชาชนป่วยเพิ่มขึ้น
ภาวะแทรกซ้อนเพิ่มขึ้น
เรียกร้องสิทธิประโยชน์

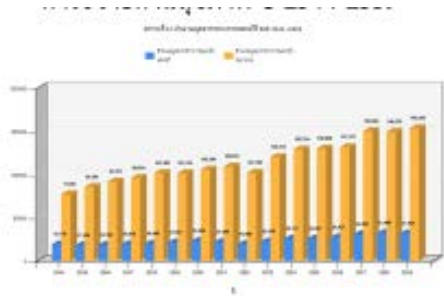


ค่าใช้จายด้านสุขภาพเพิ่มขึ้น
เรียกร้องตำแหน่งค่าตอบแทน
สร้าง Gate Keeper ขึ้นตอนเพิ่ม



Pay for Sick

สปสช.เพิ่มสิทธิประโยชน์
การะบริการเพิ่มขึ้น Provider ได้
น้ำหนักสัมพัทธ์เพิ่มขึ้น (RW-DRG)



ลงทุนเพิ่มขึ้น
จ้างคนเพิ่มขึ้น
แอดดมากขึ้น



Every gun that is made, every warship launched, every rocket fired, signifies in the final sense a **theft** from those who hunger and are not fed, those who are cold and are not clothed.

This world in arms is not spending money alone.

*It is spending the **sweat** of its laborers, the **genius** of its scientists, the **hopes** of its children.*

Dwight D. Eisenhower



Millennial in Thailand



- 32% of the Thai 68 MB population are millennial, approximately 22 Million
- According to National Statistics Office (NSO), Millennial spend an average of 8 hours per day online (US average 3.6 hours/day)
- *Feelings of disconnect from Thailand centuries of tradition and culture*
- *Under pressure from older generation to maintain core values*
- *Shackled by chronic political problems and ineffective education*

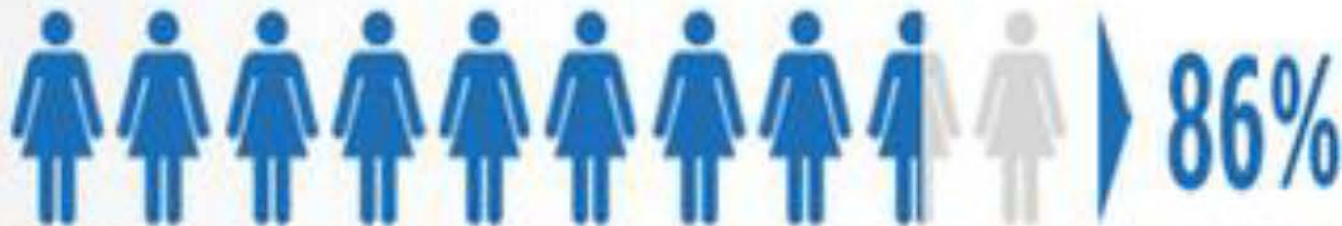
Single Source of Truth

STEP

1

DR. GOOGLE IS IN!

Patients start to notice something doesn't feel quite right, so they Google their symptoms and make their own preliminary diagnose.



86% of patients conduct a health related search before scheduling a doctor's appointment.



Social Media the new WOM

TRUST ME! I HAVE A FRIEND WHO HAS A SISTER, WHO..

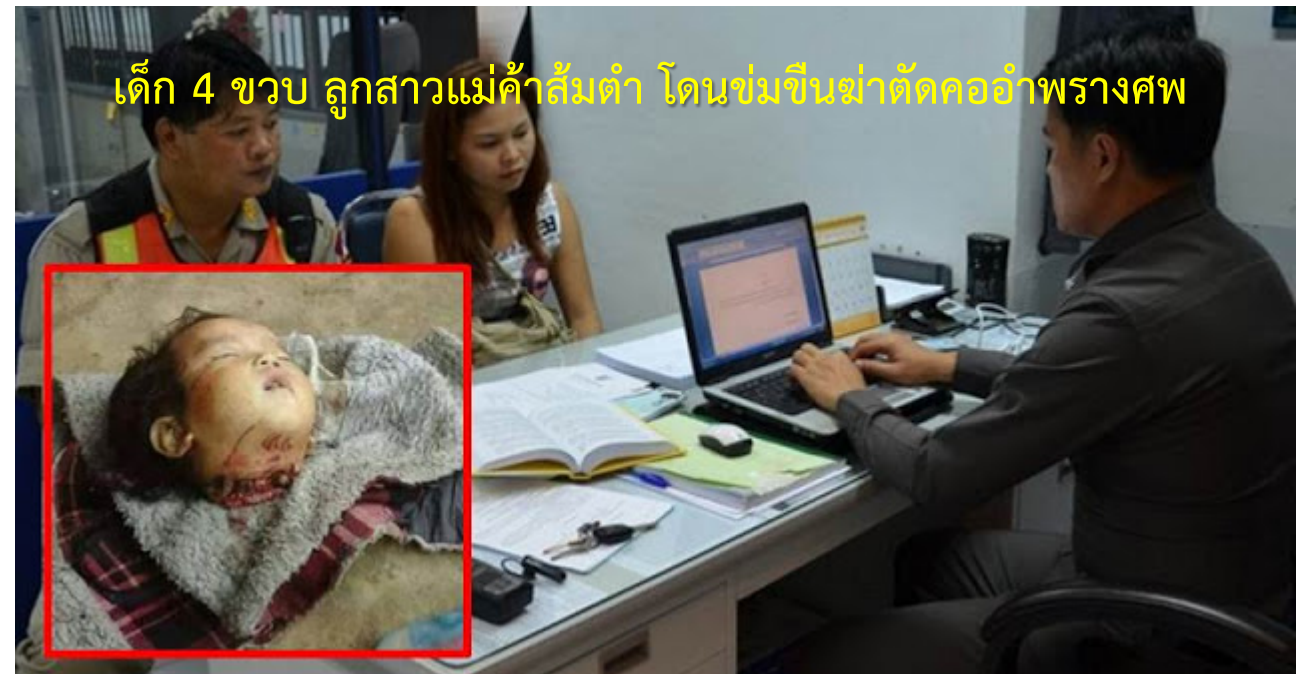
A whopping **90%** of adults **age 18-24** said they would trust medical information *shared by others in their social networks*

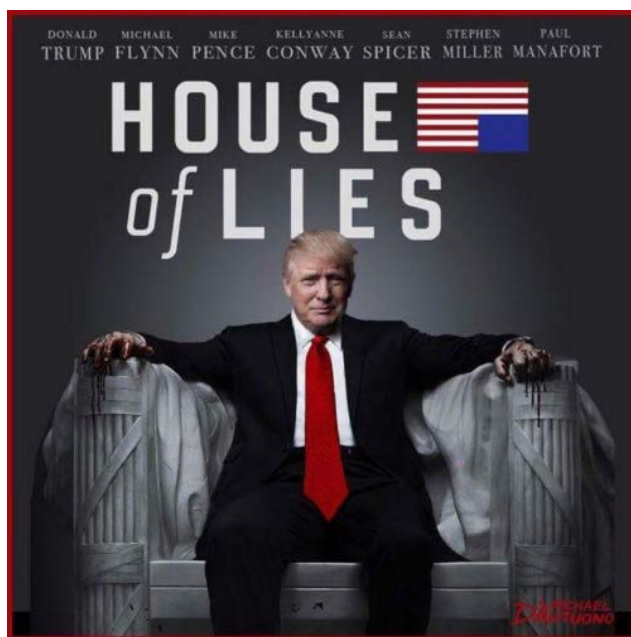
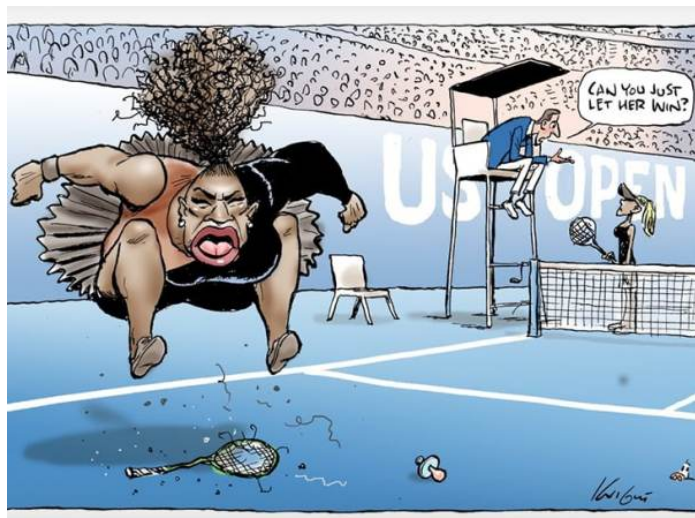


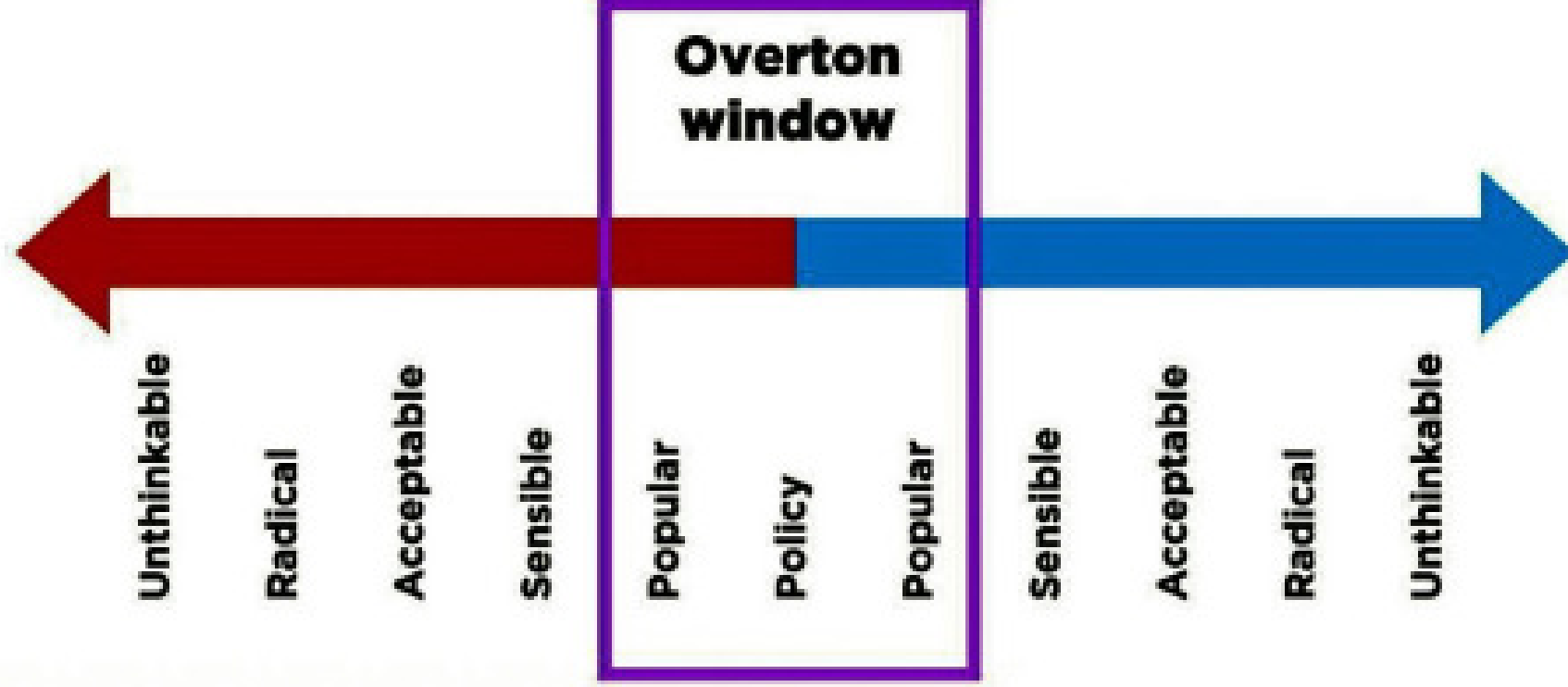
Forty-one percent of social media impacts of healthcare providers

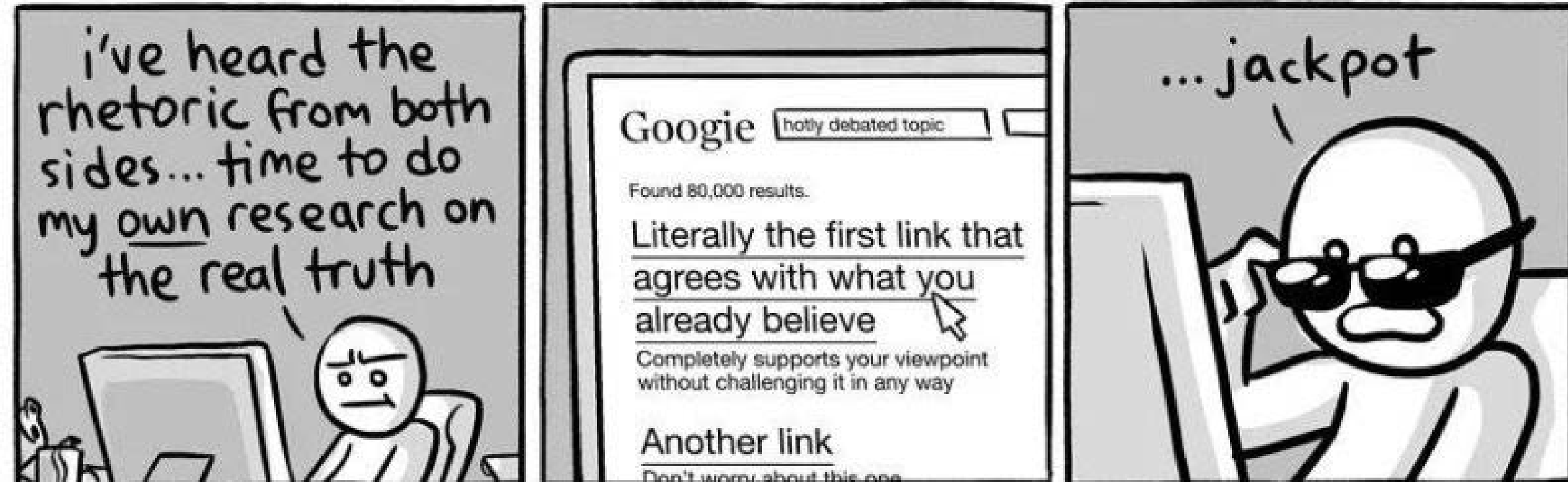


SONIC
CLINICAL
SERVICES

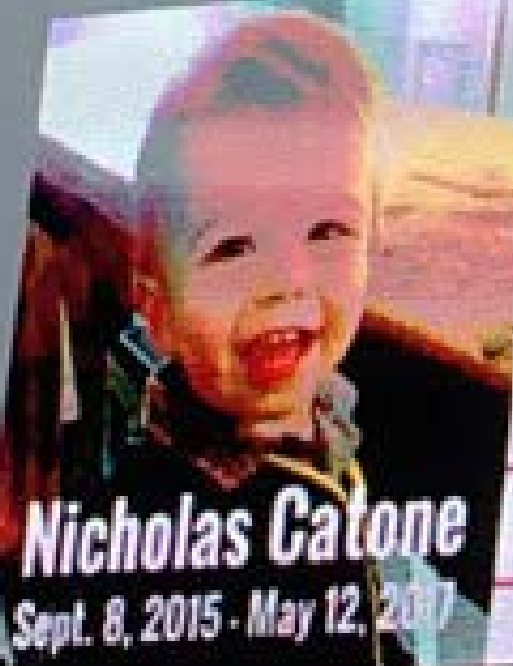








Confirmation Bias

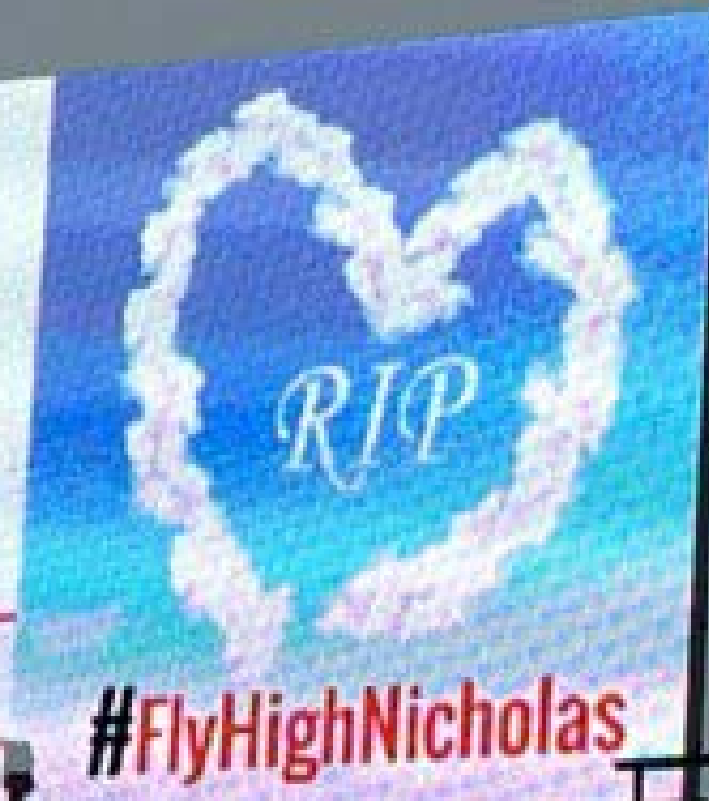


Nicholas Catone
Sept. 8, 2015 - May 12, 2017

"As a nurse, I was never taught
VACCINES can **KILL**
until my son was a victim."

www.LearnTheRisk.org

Paid for by Learn The Risk. Santa Barbara, CA



#FlyHighNicholas

ROUTE FRONT

KMG



Love them. Protect them.
Never inject them.
There are NO safe vaccines!

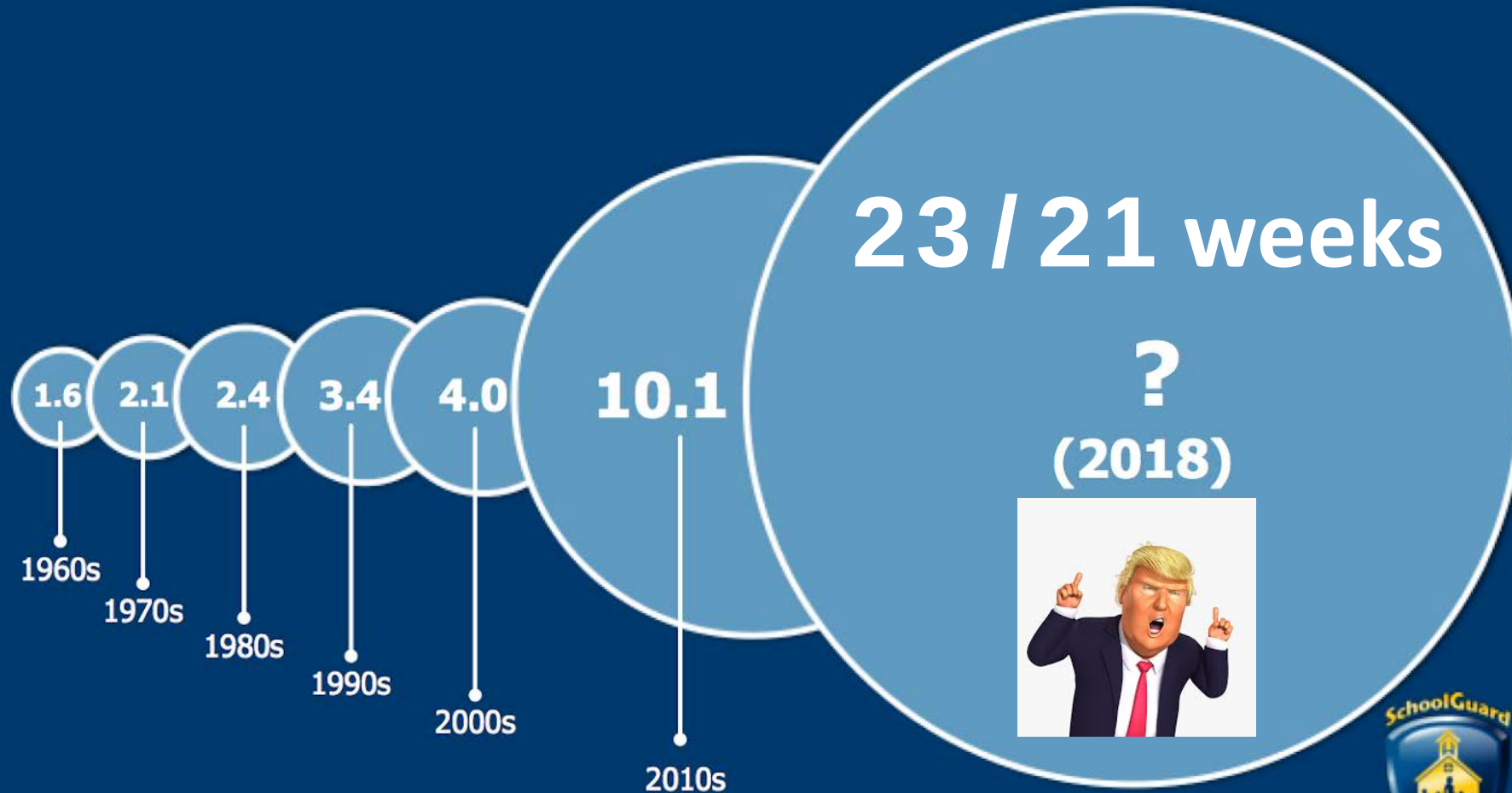
Shaken Baby Syndrome
Chronic Ear Infections
Death
SIDS
Seizures
ADD
Allergies
Asthma
Autism
Diabetes
Meningitis
and polio are caused by adverse reactions to vaccine poisons.

Four babies are shown crawling on a bright yellow surface. From left to right: a white baby, a white baby, a white baby holding a brown teddy bear, and a Black baby. They are all looking towards the camera.

- 
- Trump claimed that the media has used the bomb case to score political points against him
 - The President's accusation came after one of his supporter, Cesar Sayoc was arrested in Florida in the case

School Shootings - United States

Average Number of Shooting Incidents Per Year



Child and Family

How many adults in England have suffered each ACE?

CHILD MALTREATMENT



Verbal abuse
18%



Physical abuse
15%



Sexual abuse
6%

CHILDHOOD HOUSEHOLD INCLUDED



Parental
separation
24%



Domestic
violence
13%



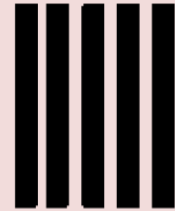
Mental
illness
12%



Alcohol
abuse
10%



Drug
use
4%



Incarceration
4%

Compared with people with no ACEs, those with 4+ ACEs are:

- 2 times more likely to currently binge drink and have a poor diet
- 3 times more likely to be a current smoker
- 5 times more likely to have had sex while under 16 years old
- 6 times more likely to have had or caused an unplanned teenage pregnancy
- 7 times more likely to have been involved in violence in the last year
- 11 times more likely to have used heroin/crack or been incarcerated

For every 100 adults in England 48 have suffered at least one ACE during their childhood and 9 have suffered 4 or more

Bellis et al., 2014

ACEs = ADVERSE
CHILDHOOD
EXPERIENCES

The three types of ACEs include

ABUSE

NEGLECT

HOUSEHOLD DYSFUNCTION



Physical



Physical



Mental Illness



Incarcerated Relative



Emotional



Emotional



Mother treated violently



Substance Abuse



Sexual



Divorce

The Impact of Adverse Childhood Experiences on Addiction and Other Health Issues



ACEs = ADVERSE
CHILDHOOD
EXPERIENCES

The three types of ACEs include

ABUSE



Physical



Emotional



Sexual

NEGLECT



Physical



Emotional

HOUSEHOLD DYSFUNCTION



Mental Illness



Mother treated violently



Divorce



Incarcerated Relative



Substance Abuse



DashBoard

ค้นหาข้อมูลเด็ก

ค้นหาข้อมูลแม่

Dashboard

จำนวนประชากรเด็ก

พิการ

ความรุนแรง

ACE

วัคซีน

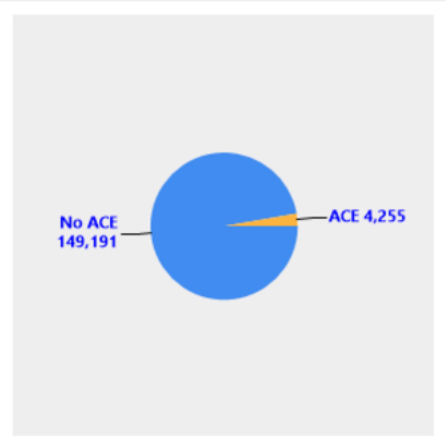
โรคระบาด

เสียชีวิต

ข้อมูลแม่

2559

153,446



No ACE

149,191

ACE

4,255

No ACE

149,191 (97.23%)

ACE

4,255 (2.77%)

การทำร้ายร่างกาย (physical abuse)

1 (0.02%)

การข่มขืน (Sexual abuse)

16 (0.38%)

พ่อ แม่ แยกทางกัน (Parental separation)

3,949 (92.81%)

ความรุนแรงในครอบครัว (Domestic Violence)

3 (0.07%)

ป่วยทางจิต (Mental illness)

1,228 (28.86%)



DashBoard

ค้นหาข้อมูลเด็ก

ค้นหาข้อมูลแม่

5,908 รายการ, 591 หน้า , ค้นหาด้วย ปี:1, ACE:Y

ปีการ	รุนแรง	ACE	วัคซีน	โรคระบาด	เสียชีวิต		ปี	อายุ	เพศ	รหัสบัตรประชาชน	ชื่อ	นามสกุล
		5					2559	6	หญิง	IDIDIDIDIDIDI	??????????????	??????????????
	4						2559	5	หญิง	IDIDIDIDIDIDI	??????????????	??????????????
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	4						2559	4	ชาย	IDIDIDIDIDIDI	??????????????	??????????????
	4						2559	5	ชาย	IDIDIDIDIDIDI	??????????????	??????????????
	4						2559	1	หญิง	IDIDIDIDIDIDI	??????????????	??????????????
	4						2559	6	หญิง	IDIDIDIDIDIDI	??????????????	??????????????
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หน้าที 1 2 3 4 5 6 ...  

Elderly NCDs and Health Expenditure

- 5% of population spent almost half of the resource in Norway
- 1 million spent 80% of NHSO's expenditure (48 millions beneficiaries)
- 2.8 hundred thousands spent 80% of expenditure (15 millions beneficiaries)

Lesson learnt from the best

reduction of full scale emergency hospitals and hospital beds



Governmental levels

- State level / 4 Health Regions
- 19 counties
- 422 municipalities Jan 1st 2018 (will be reduced to 354) (primary health care)

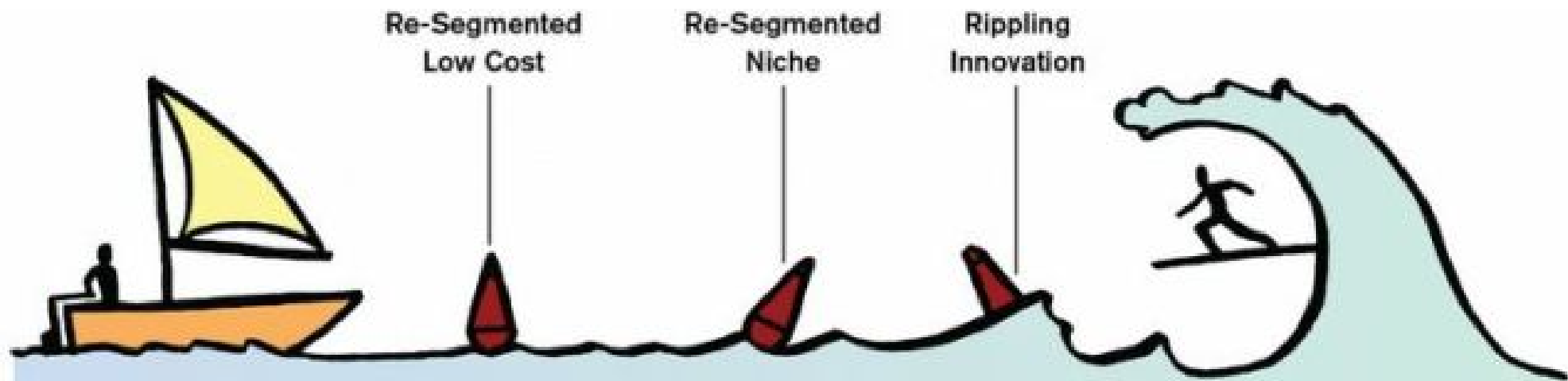


422 municipalities Jan 1st 2018 (will be reduced to 354) (primary health care)

Structural changes in Swedish health and social care

In the last years we have seen:

- reduction of full scale emergency hospitals and hospital beds
- increase of health care centres
- development from inpatient care to outpatient care and from hospital care to home care
- increased differentiation and specialization
- increased proportion of patients with chronic diseases
- growing proportion of elderly people – but many are active and healthy
- increased opportunities for users and patients to choose provider
- increase of private providers



Sustaining Innovation

Problem is well understood

Existing Market

Innovation improves performance, lower cost, incremental changes

Customer is believable

Market is predictable

Traditional business methods are sufficient

Disruptive Innovation

Problem not well understood

New Market

Innovation is dramatic and game changing

Customer doesn't know

Market is unpredictable

Traditional business methods fail



Ping An's Good Doctor unit raises \$1.1 billion in Hong Kong IPO: sources

Reuters Staff



HONG KONG (Reuters) - Ping An's Good Doctor online healthcare platform has raised \$1.12 billion in its initial public offering, pricing its shares at the top of its range in Hong Kong's largest new listing this year, two sources with knowledge of the matter said.



BDMS (Bangkok Dusit Medical Service), Ping An Good Doctor announce strategic cooperation, new medical solution for Chinese patients
Corporate November 20, 2018 18:11
By The Nation

Amazon acquires PillPack, an online pharmacy that delivers medicine to your door

PAUL SAWERS @PSAWERS JUNE 28, 2018 5:47 AM



Microsoft is now helping Walgreens fend off Amazon's health care push

Walgreens joins Walmart, Kroger, and Gap in fighting off Amazon

By Tom Warren | @tomwarren | Jan 15, 2019, 9:07am EST



Microsoft has signed a new seven-year deal with Walgreens Boots Alliance to supply cloud services to the retail pharmacy store chain. Walgreens, the second-biggest

New Ecosystem

SMART HOME

Smart home devices are being used in domestic abuse, report finds

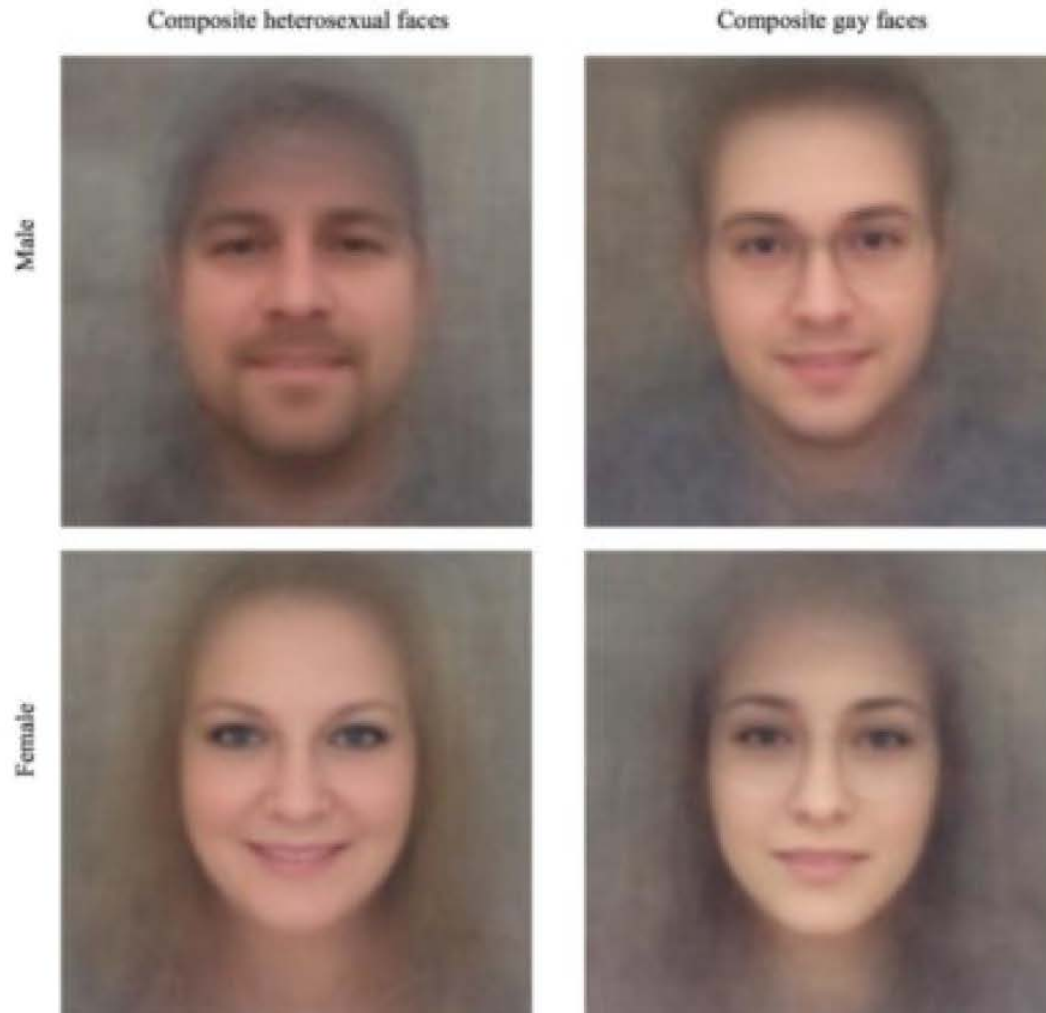
SHARE

Rather than simplifying their lives, some smart home device owners are finding that their connected gadgets and appliances are making their lives a living hell. [The New York Times](#) recently reported a disturbing new trend that leverages smart devices as tools of abuse, with some ill-intentioned users (not even hackers), using their smartphones in order to remotely control locks, speakers, thermostats, lights, and the like, and wreak emotional havoc on those within the home. More alarming still is



This AI knows whether you're gay or straight at a single photo

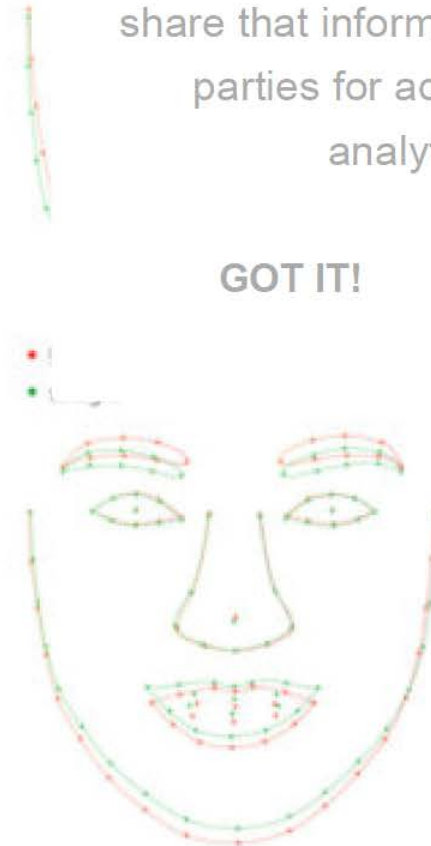
by BRYAN CLARK — 1 day ago in ARTIFICIAL INTELLIGENCE



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GOT IT! or [More info](#)



Credit: Stanford

NDEP Webinar Series

Food Insecurity and Its Impact on Diabetes Management:

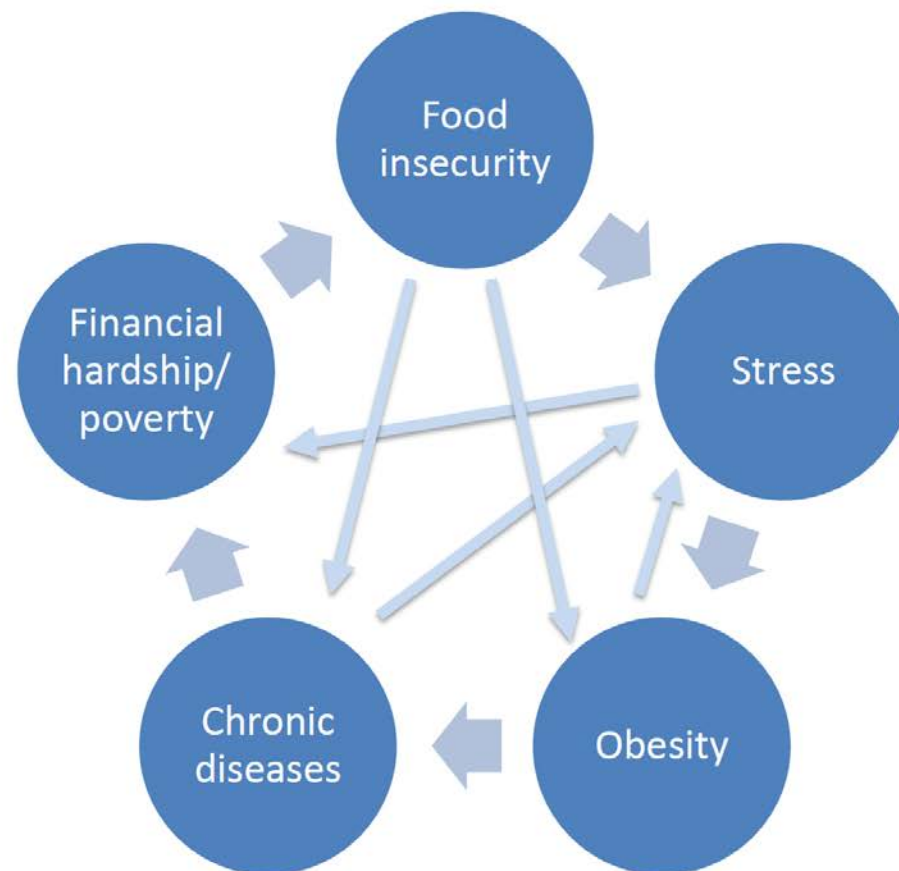
*Identifying Interventions That Make
a Difference*





National Diabetes Education Program

A program of the National Institutes of Health and the Centers for Disease Control and Prevention

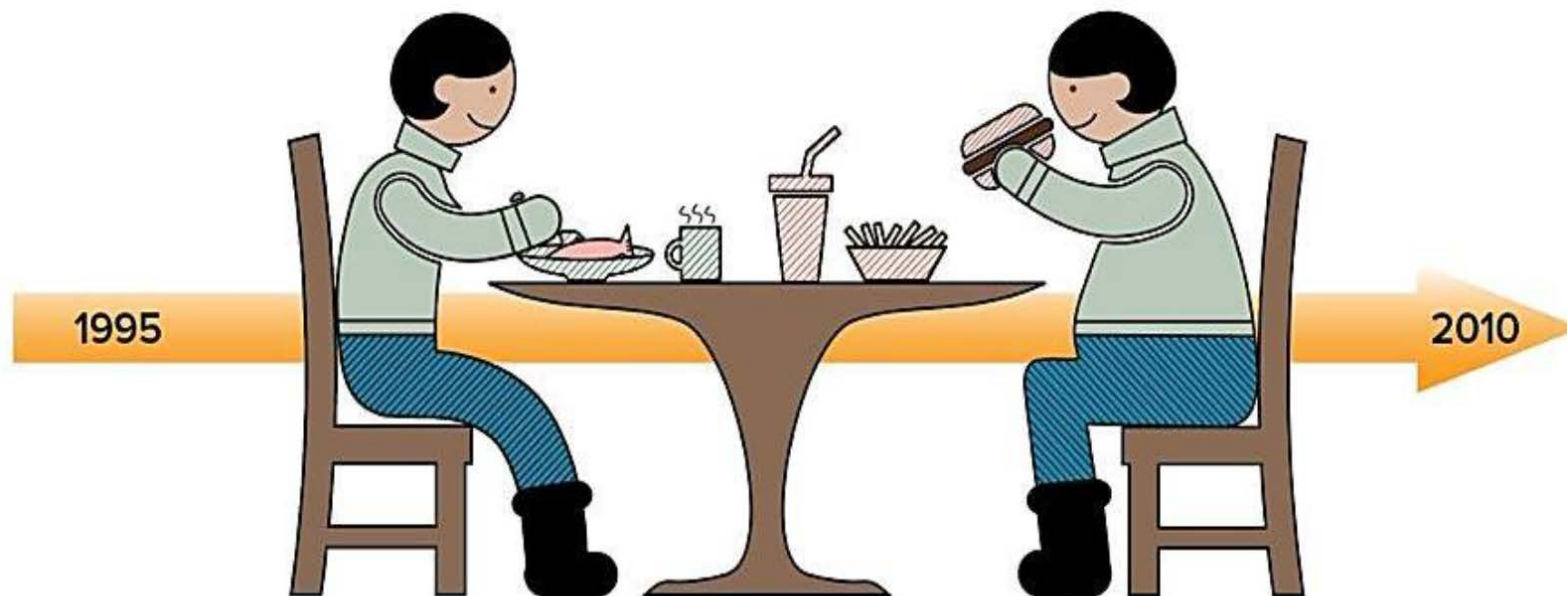




National Diabetes Education Program

A program of the National Institutes of Health and the Centers for Disease Control and Prevention

136% increase in diabetes in Alaska Native people.⁽²⁾





Fresh Food

FARMACY

 HUDSON
RIVER WATER



ARTIFICIAL INTELLIGENCE

IBM's New AI Can Predict Psychosis in Your Speech

The AI takes subjectivity out of the equation.

NEWS NEUROSCIENCE NEUROLOGY AI ROBOTICS PSYCHOLOGY ABOUT NEWSLETTER

Artificial Intelligence Can Predict Your Personality By Simply Tracking Your Eyes

NEUROSCIENCE NEWS × JULY 27, 2018

ARTIFICIAL INTELLIGENCE

DEEP LEARNING

FEATURED

NEUROSCIENCE

NEUROTECH

OPEN NEUROSCIENCE ARTICLES

PSYCHOLOGY

ROBOTICS

4 MIN READ

Free Download

mergedocsonline.com

Instant Free Download



Summary: Researchers have developed a new deep learning algorithm that can reveal your personality type, based on the Big Five personality trait model, by simply tracking eye movements.

Source: University of South Australia.

Major Security Breach Found in Hospital and Supermarket Refrigeration Systems



Report: Freezers
and Chillers in
Hospitals and
Retail Chains
Accessible
Online



BY: PAUL KANE

POSTED: FEBRUARY
7, 2019

Follow the Safety Detective
blog daily as our tech
experts keep you up-to-date
on antivirus software



THE STRAITS TIMES

Personal info of 1.5m SingHealth
patients, including PM Lee, stolen in
Singapore's worst cyber attack

UNAUTHORISED POSSESSION AND DISCLOSURE OF INFORMATION FROM HIV REGISTRY

28TH JAN 2019

Following an alert by the Police, the Ministry of Health (MOH) has ascertained that confidential information regarding 14,200 individuals diagnosed with HIV up to January 2013, and 2,400 of their contacts, is in the possession of an unauthorised person. The information has been illegally disclosed online. We have worked with the relevant parties to disable access to the information.

Digital Risk

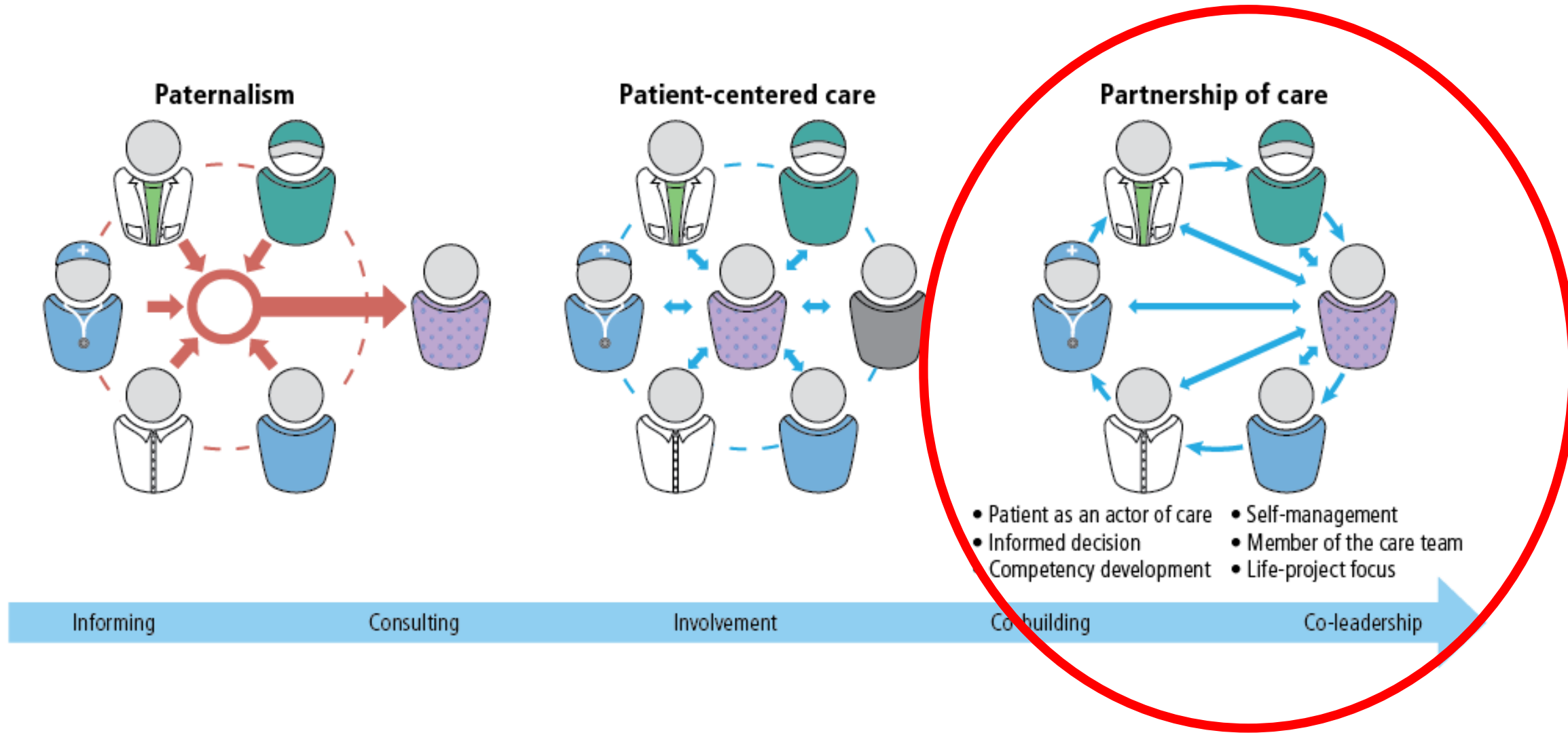
Direction or No Direction

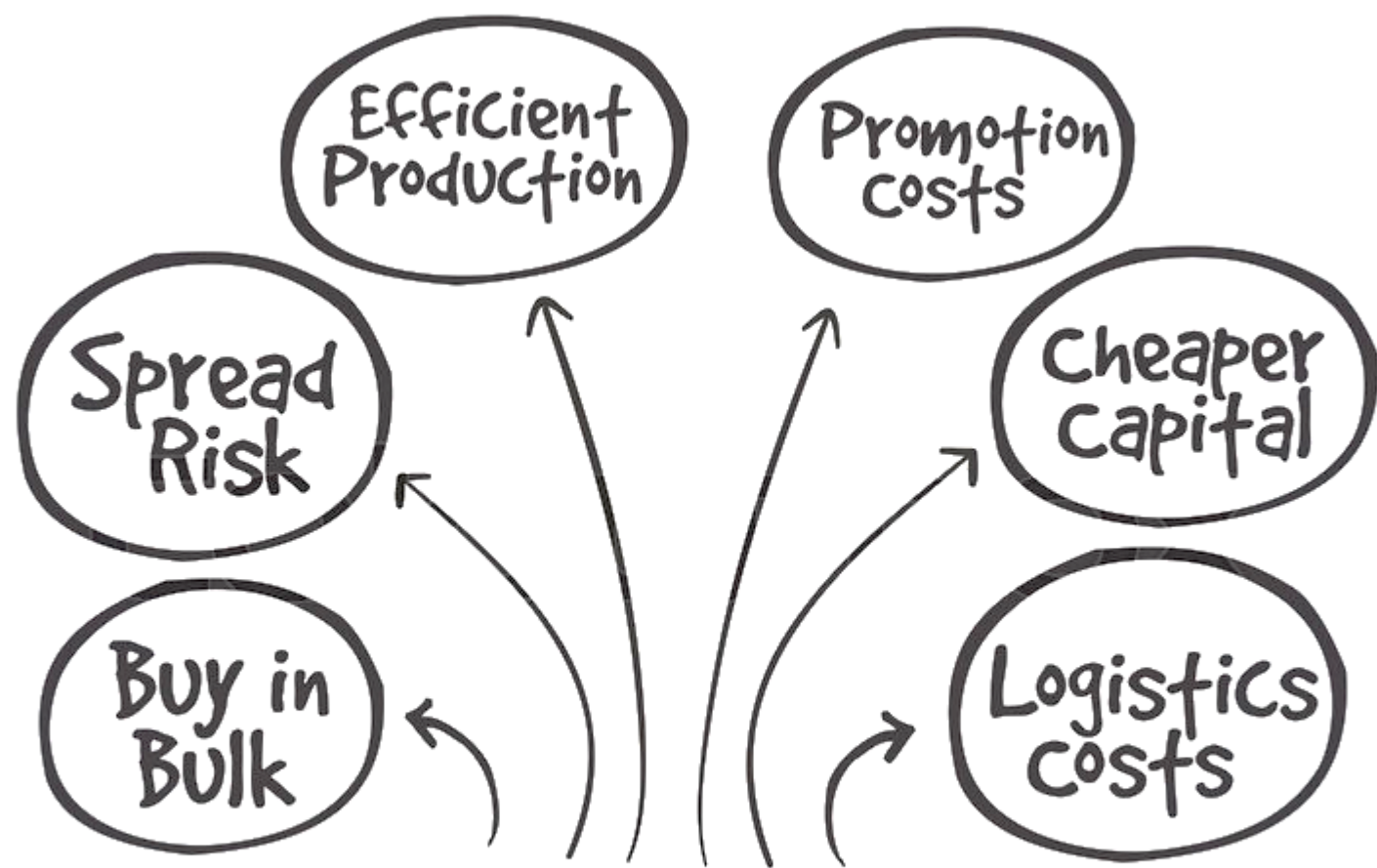


Cost added
interventions

Value added
interventions

Personalized, Preventive, Predictive, Participation





Economies of Scale



People focused New business model

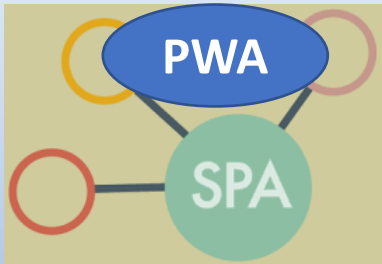
Start with Integration of HIS



ANDROID



iOS



GDPR ready



{JSON}
JavaScript Object Notation



Express.js



{JSON}
JavaScript Object Notation



MongoDB



MongoDB



MongoDB



MongoDB



MySQL



MySQL



MySQL



MySQL

Udon, Sakol
HosXP, JHIS

New Business model for People focus: Patient Journey



ทิศทางการทำงานเขตบริการสุขภาพ 8

- **Strategic Focus** (What to do, what to not do, Prioritization)
- ทิศทางมุ่งสู่ผลกระทบให้เกิดความเท่าเทียมกันของผลลัพธ์ด้านสุขภาพ และสุขภาวะของประชาชน ซึ่งสามารถวัดผลได้ (Equity on Health and Well Being) รวมทั้งการเพิ่มผลิตภาพต่อช่วงชีวิต
(**Service Focus->People Focus**) **Value based health care**
- การดำเนินการต้องมุ่งลดการใช้ทรัพยากรต่อราย และหรือเพิ่มผลลัพธ์ด้านสุขภาพ ผลิตภาพ และสุขภาวะของประชาชน โดยมีหลักฐานเชิงประจักษ์ และใช้ข้อมูลวัดผลได้ (**Efficiency** Improvement, Value Management)
- เปิดให้มีส่วนร่วมบูรณาการทุกภาคส่วน (**Integration**, Participation)
- เน้นการป้องกันระดับปฐมภูมิโดยการลดพฤติกรรมเสี่ยงต่อสุขภาพในการดำรงชีวิตปัจจุบัน (**Primary Prevention**, Behavior Change)

IT, Big Data,
Mobile, AI
(Appropriate
Technology)

Most challenge is Mindset.

