UNDERLYING CAUSES OF DEATH IN THE UNITED STATES, 2000

Preventable Death Rates by State, Ages 0 to 74, 2010

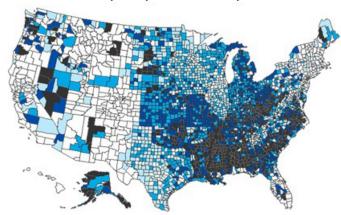
Age-Adjusted Preventable (avoidable) deaths are defined as those from ischemic heart disease, stroke, chronic rheumatic heart

disease, and hypertensive disease in people under age 75

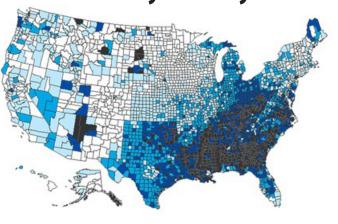
Source: National Vital Surveillance System,

US Census Bureau

Obesity by County



Diabetes by County



Age-Adjusted
Preventable Death Rates
per 100,000 People

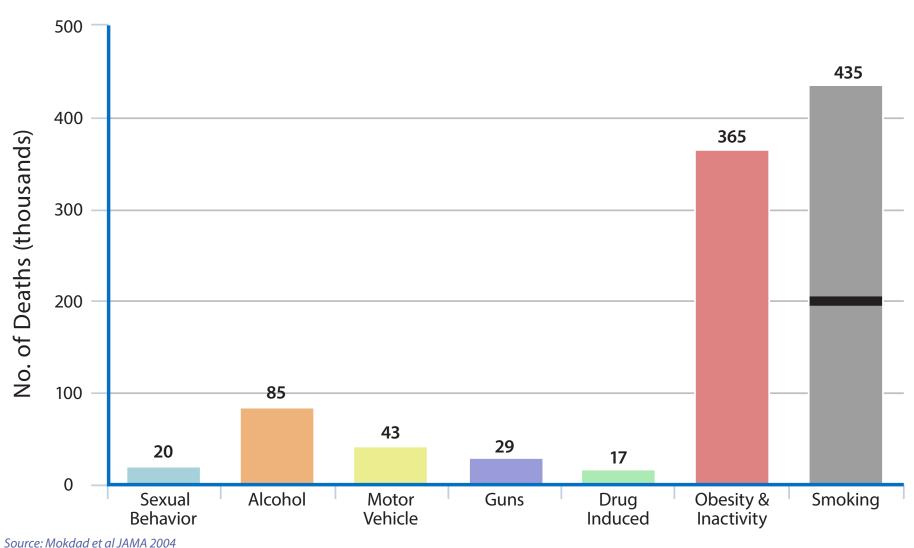
36 - 49

50 - 69

70 - 100

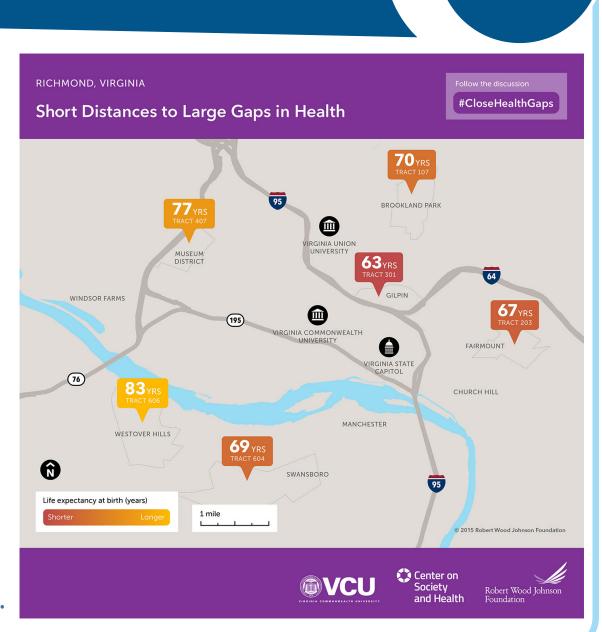
Source: Centers for Disease Control and Prevention, 2010 Census Data

UNDERLYING CAUSES OF DEATH IN THE UNITED STATES, 2000

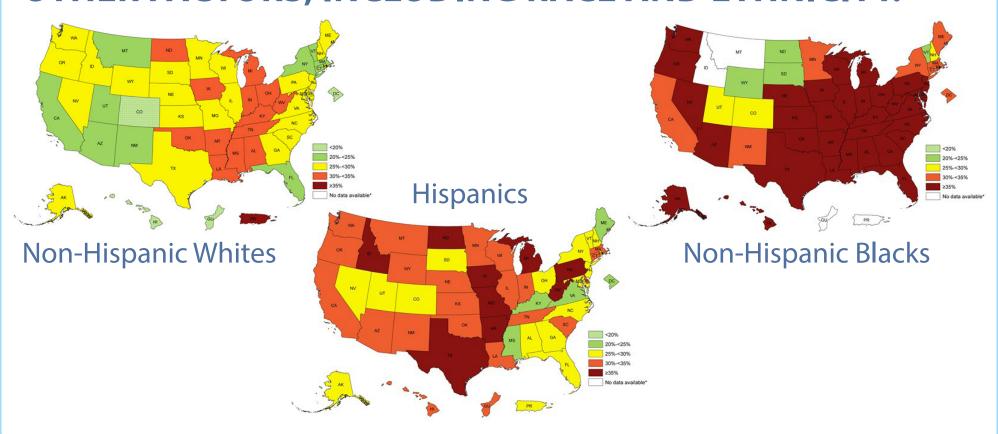


FOR BABIES BORN
WITHIN FIVE MILES
OF DOWNTOWN
RICHMOND, VIRGINIA,
OPPORTUNITIES TO
LEAD A LONG AND
HEALTHY LIFE CAN
VARY DRAMATICALLY.

Why the gap? Good health outcomes are related to such things as access to nutritious food, safe and walkable streets, active playgrounds and public spaces, good jobs, educational opportunities and stable housing.



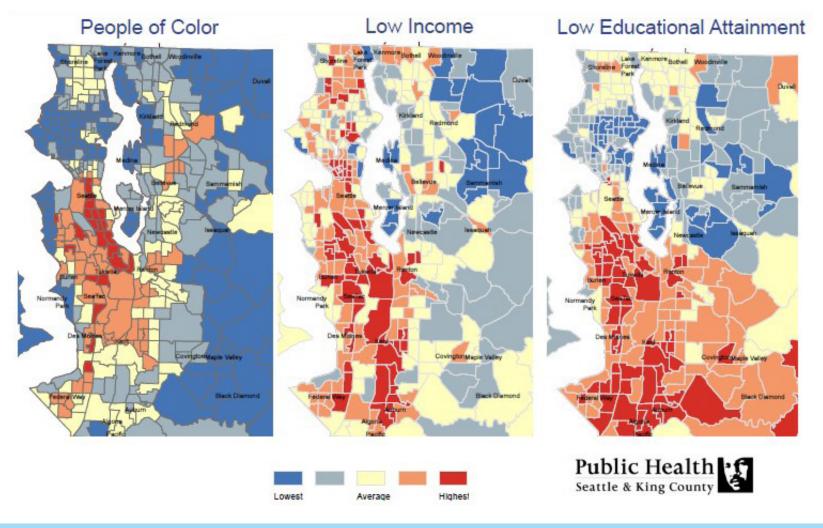
AS OF 2014, MORE THAN 1 IN EVERY 3 AMERICAN ADULTS HAD OBESITY (BMI GREATER THAN OR EQUAL TO 30). BUT THE PREVALENCE OF OBESITY DIFFERS BY OTHER FACTORS, INCLUDING RACE AND ETHNICITY.



Prevalence of Self-Reported Obesity Among U.S. Adults by Race/Ethnicity, State and Territory, BRFSS, 2012-2014

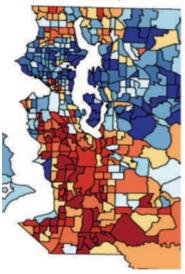
More information on reverse side

WHAT DO YOU NOTICE ABOUT THESE MAPS OF KING COUNTY, WASHINGTON?

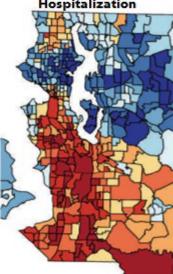


More information on reverse side

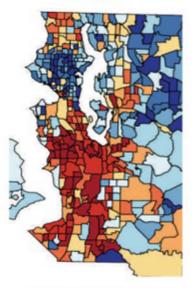




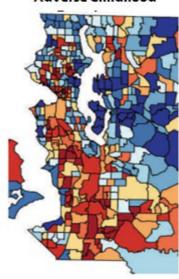
Preventable Hospitalization



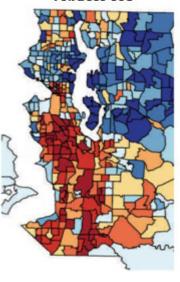
Diabetes



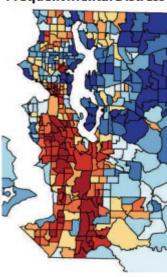
Adverse Childhood



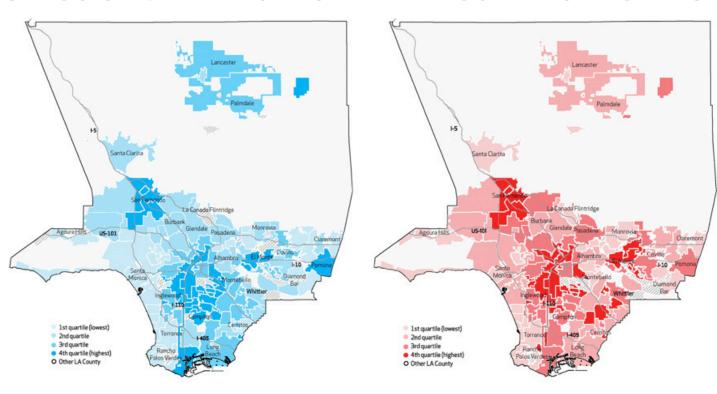
Tobacco Use



Frequent Mental Distress



THE COMMUNITY DEVELOPMENT* SECTOR AND THE HEALTH SECTOR ARE TRYING TO HELP THE SAME PEOPLE, BUT OFTEN WITHOUT COORDINATION OR EVEN COMMUNICATION.



* "Community Development" was defined by the United Nations in 1948 as "a process designed to create conditions of economic and social progress for the whole community with its active participation and fullest possible reliance upon the community's initiative."

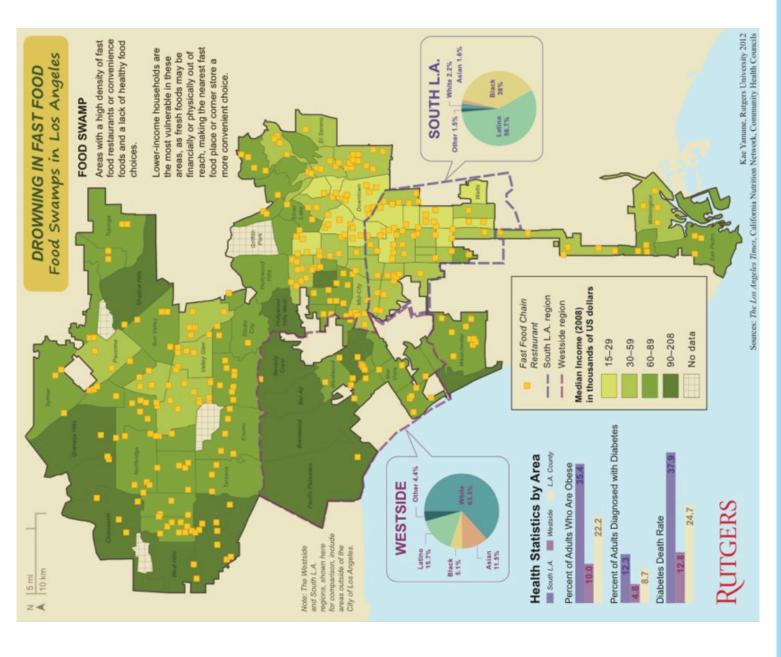
Prevalence of Childhood Obesity by City/Community

Los Angeles County, 2005

Economic Hardship Index by City/Community

Los Angeles County, 2000

YOU CAN LIVE IN A DESERT, BUT STILL DROWN IN A SWAMP.



Others Who Care Summary OBESITY

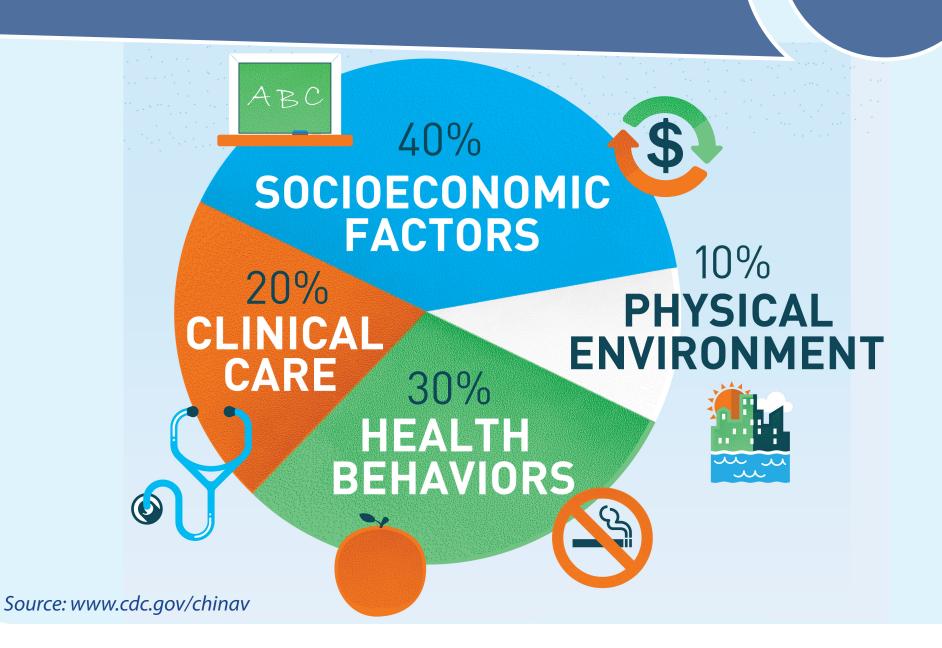
ROLE	PROFILE	AGENDA/HOPE TO ACHIEVE
Tiffany Duncan Clinic Receptionis	 30-year-old black woman Lives in the community with her husband and two children Struggled with obesity since adolescence Participates in and has become a champion for the clinic's Walk with a Doc program and other community health initiatives 	 Attain a healthy weight for the first time in her life Help the clinic's patients achieve their weight-loss goals by encouraging them, for example, to walk more often Become involved in real community-level change, like improving the city's sidewalks
Tim Jacobs Public Health Representative	 White man in his mid-twenties MPH, recently hired by the County Health Department 	Intervene in the community to break the cycle of unhealthy lifestyle choices and preventable disease, especially involving schoolchildren
<i>Wade Billups</i> City Manager	 White man, has been the city manager for 25 years Monitors, reports on and makes recommendations regarding the city budget 	 Demonstrate leadership to new boss, develop job security Interact/get involved with the community to understand pressing needs
Victoria Nuñez Parks and Recreation Directo	 Young Latina who grew up in the neighborhood Spent three years in the military Has an undergraduate degree in sports management and is passionate about fitness 	 Initiate new, culturally appropriate fitness programs in the city Prevent the pending sale of a land tract as commercial real estate and instead have it earmarked for a new park
Tien Jiang (T.J.) Xiāo Business Owner	 70-year-old Asian owner of Pop's Market, a family business started in the 1930s 	Maintain a successful neighborhood convenience store
Dr. Julie Carson Clinic Director	Black woman, physician director of the clinic where Dr. Sylvia Peterson works	Make evidence-based decisions that will benefit the clinic's patients and its financial bottom line
Reverend Isaiah Bisho Clinic Director	 Black man, pastor of a large black congregation in the community Influential leader with a straightforward, no-nonsense attitude 	Feels he could help make a difference with the right (effective) approach

Others Who Care Summary OBESITY



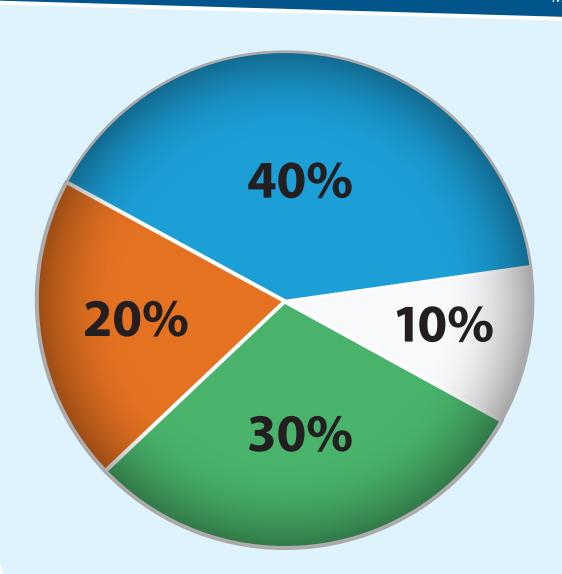
ROLE	OBSTACLES FACED	RESOURCES TO OFFER
Tiffany Duncan Clinic Receptionist	Lack of education/possible perceived lack of professional credibility	 Community resident/seen as a credible community representative Affable personality has made her a community "connector"
Tim Jacobs Public Health Representative	Lack of real-world experience with at-risk communities	 Awareness of funding opportunities and experience writing grants Network of allies in the school district and the county health department Youthful exuberance
<i>Wade Billups</i> City Manager	A city budget deficit resulting from lower property tax values and higher expenditures for public safety workers	 Far-reaching professional network Extensive institutional knowledge of how the city operates
Victoria Nuñez Parks and Recreation Director	Must convince city officials of the merits of building a park instead of leasing land for lucrative fast food outlets	 Knowledge of the Hispanic community Personal experience with poor diet and a sedentary lifestyle Data about the financial advantages of creating a park, such as government subsidies and tax credits
Tien Jiang (T.J.) Xiāo Business Owner	 Has lost revenue in the past when attempting to sell fresh fruits and vegetables Not interested in change 	Owns a popular and convenient venue, often used by the community for buying groceries
Dr. Julie Carson Clinic Director	 Does not understand why patients with obesity can't just change their eating habits Lack of resources to hire extra staff requested for an official obesity program at the clinic 	Can offer some assistance that is mutually beneficial (such as adding intake questions for patients' electronic health records), as long as cost is minimal
Reverend Isaiah Bishop Clinic Director	Prior experience with community-based projects have not always been positive	Well-respected by the communityHas influence with many people

Know What Affects Health



Know What Affects Health

More information on reverse side



Match these factors to their impact level:

- Physical environment
- Clinical care
- Socioeconomic factors
- Health behaviors

Others Who Care CLINIC RECEPTIONIST



NAME

Tiffany Duncan

YOUR STORY:

works two days a week. She is a 30-year-old black woman who lives brothers and sisters, and was often required to make sure they had struggled with her weight all her life. As a teenager, her stepfather in the community with her husband and two children. Tiffany has things worse. Additionally, she was the primary caregiver for her food to eat – not an easy task with a very limited family budget. was verbally abusive about her appearance, which only made Tiffany is a full-time employee at the clinic where Dr. Peterson

commissioner about the need for more sidewalks to aid the group's routes around town; currently it is a patchwork of sidewalks, and new ordinances could benefit walkers as well as people with wheelchairs. neighborhood during the daytime and with a group of people. Also, wasn't busy with chores, as she is on the weekends. She was the first with a Doc program, recruiting over 50 people to become regular One day a few months ago, Dr. Peterson announced that she was walkers. Tiffany is helping Dr. Peterson draft a letter to the county person to sign up and became the clinic's champion for the Walk welcomed staff to join along with clinic patients. Tiffany thought the timing was perfect because her kids were in school and she this was a great idea because she felt safer walking around the starting a *Walk with a Doc* program during the lunch hour, and

PUBLIC HEALTH REPRESENTATIVE Others Who Care



NAME

Tim Jacobs

YOUR STORY:

attending exclusive private schools his whole life. He's relatively new to his job at the county health department and is keen on making a real difference for at-risk Tim, a white man in his mid-twenties, got his MPH at a top-ranked college after communities. He is armed with all the latest peer-reviewed literature about the relationship between lifestyle factors and preventable disease.

Excitedly, he prepared a lecture on nutrition and sports performance. Unfortunately, Tim was asked to speak to an eighth-grade health class at a nearby middle school. the talk bombed ... to his surprise:

- Most of the kids had never played an organized sport
- Recess had been reduced from 50 minutes a day to 10 minutes a day only three
- The school didn't have any dedicated physical education teachers
- Many of the kids told him that they didn't play outside after school either, preferring to play video games or watch TV

But the low point came when he was invited to join the kids for lunch ... most of the fresh fruit on their trays was ending up in the bright yellow garbage cans. When Tim period, and that most kids considered it "unfamiliar food" that they didn't see at home. expressed his surprise that so much food was being wasted and asked the teachers why the kids didn't eat the fruit offered that day, they said it was because of the short lunch

wrote a grant to work toward improvements to meet the school district wellness Since that time, Tim, a school nurse, the PTA and a dietician at the local hospital policy. This included:

- Hiring an out-of-school-time activity coordinator who has open gym time each morning and after school for children
- Replacing unhealthy fundraisers (those that sell chocolate bars and candy) with a
- Creating two serving lines in the cafeteria to resolve of fix the short lunch period
- Starting a heath-initiative at the school that included taste-testing fruits and vegetables

Others Who Care



NAME:

Wade Billups

YOUR STORY:

the newly elected mayor and several new city council members have come and go, but his widespread network of contacts and extensive given him a bad performance review, mainly for stagnant economic experience has allowed him to stay in his position – so far. But now, for 25 years. He has seen several mayors and city council members Wade Billups, a 58-year-old white man, has been the city manager development and lack of leadership. One part of his job is to monitor, report on and make recommendations Meanwhile, expenditures have increased due to hiring extra public safety be willing to meet with other community stakeholders to discuss them. some goodwill from his boss. She brought a list of potential strategies, values keep dropping, which means less revenue from property taxes. regarding the city budget, which – admittedly – is in the red. Property he thought it would be an easy way to get involved, or at least garner workers. And many traffic officers – the source of almost \$1 million in discuss possible strategies to reduce obesity rates in the community, not been meaningfully engaged with the community for quite some linked to their State Chronic Disease Plan, and wondered if he would traffic duty to handle violent crimes and domestic disputes. Another part of Wade's job is to interface with the community to develop new programs, but his performance review made him aware that he has revenue from fines in past years – have been reallocated away from time. So, when Dr. Sylvia Peterson requested a meeting with him to She also invited him to participate in her *Walk with a Doc* program. developed by the Centers for Disease Control and Prevention and

Others Who Care PARKS AND RECREATION



NAME

Victoria Nuñez

YOUR STORY:

years. Victoria is thrilled with the job, because it brings her back to her Victoria was just hired by City Manager Wade Billups to be the parks and recreation director, a position that has been vacant for three hometown and the barrio where her parents still live.

got a degree in sports management and then stayed on at the university three years on active duty with the U.S. military. Using the GI Bill, Victoria working as an assistant director in the athletics department for several appropriate marketing for the community, based on her own personal years. She is passionate about fitness and excited about starting some experience as an adolescent with a poor diet and sedentary lifestyle. After finishing high school overweight and out of shape, she served new programs in the city. She is already planning some culturally

chains have expressed interest. But Victoria has a different vision for the building next to a low-income housing unit. Mr. Billups is recommending that the land be sold as commercial real estate because several fast food government subsidies and tax credits, to convince the team and the city and maybe even a public swimming pool. The fact that it is next door to bring solid evidence to the next meeting, along with information about a new community garden makes her plan even more ideal. She aims to property ... she sees a small park with a playground, basketball court department heads, she learned of plans to demolish a condemned council that the city residents deserve and need this new park. During her first meeting with the city manager and the other

Others Who Care BUSINESS OWNER



NAME

Tien Jiang (T.J.) Xiāo

YOUR STORY:

customers weren't sure how to pronounce his name, they just called purchased the store from its original owner, Pop Duncan. Because a Chinese merchant who immigrated to the city in the 1950s, T.J. Xiāo is the 70-year-old owner of Pop's Market. His father, the new owner "Pops."

started it during the Depression, and T.J. still uses some of the same vendors for snack foods, boxed meals, liquor, cigarettes and toiletries. The store looks pretty much the same as it did when Pop Duncan

on. Those bins of lettuce, green beans, bananas and oranges just sat put in a new refrigeration unit so he could keep the produce longer. in the back of the store and attracted flies. He lost money each time he tried it. Not too long ago, a salesman asked him if he wanted to A lady stopped by the other day, saying she was a doctor at a local actually tried this several different times – and it just never caught healthy food for sale. T.J. told her they had tried to sell produce clinic. She was checking the place out, seeing if there was any "How much do they cost?" T.J. had asked him. "I could get you one for about \$2,000," he said. "And the state has tax credits for these types of energy-efficient appliances."

"Well, I might be interested, but for that much money I'd fill it with beer instead and sell it all day long."

T.J. just doesn't understand why people are always wanting to change everything. Aren't things fine just the way they are?

Others Who Care



NAME:

Dr. Julie Carson

YOUR STORY:

Julie Carson, MD, is a black woman and the director of the Bennington Dr. Peterson has been doing, because it seems to have gained traction need to be active. But for patients with obesity, it seems to Julie that there should be more of a focus on eating behaviors, simply helping Community Health Center. She has tried to be supportive of the work with patients in the Women and Children's Program. Even some of the diabetes wellness program patients have joined her for a Walk with Doc on occasion, which is a good thing, because those folks patients figure out how to make healthier choices.

right now, and the existing staff is already stretched too thin as it is. hiring new staff? There's just no money in the clinic budget for that that don't seem directly related to obesity in Julie's view – financial to add them was a practical one: having access to that information will be beneficial for the community needs assessment the clinic is Dr. Peterson is campaigning for extra staff to expand her work and create an official obesity program called "Don't Weight – Activate!" experiences, social connections and social isolation. Her decision required to submit as a federal government grantee. But as far as in their electronic health records. These questions involve things Dr. Peterson's ideas ... she even agreed to add a list of screening questions for all patients, the answers to which would be stored Although Julie hates this proposed name, she's been open to resource strain, intimate partner violence, adverse childhood

Others Who Care RELIGIOUS LEADER



ZAME

Reverend Isaiah Bishop

YOUR STORY:

and out of the house. He could tell them to stop eating so much junk. But no-nonsense approach to life. Take, for example, his latest meeting with unlike Tim Jacobs, Rev. Bishop had experience with a community garden, stole Gladys Jones' zucchinis, everyone knew it – and he talked about the time Myron Dawson threatened to choke little Timmy Lee for trampling caused the Crenshaw's peppers to get powdery mildew. He explained how they finally had to close the place, because there were so many homeless support and endorsements for their ventures. They aren't always happy a community garden he had just started nearby. He had charts and graphs Tim Jacobs from the health department. Tim wanted him to help promote about how many people in the congregation needed to lose weight and eat his tomatoes, and how the shade created by the Johnson's bean teepees with his response, however. Rev. Bishop is known for his straightforward, healthier. All fine and good. Rev. Bishop could tell them to get off their butts several years ago when he was the associate pastor of another church. He gave Tim an earful about the thievery that went on – yes, Ira Turner community. He is a very influential leader, so many people seek his people who climbed the fence looking for sheltered areas to sleep. Rev. Bishop is the pastor of a large black congregation in the

No, he would not promote a community garden. But Rev. Bishop wants and diabetes than other segments of the community. He feels he could help make a difference; he just wants to make sure it's the right thing. to do something. He knows black people have higher rates of obesity He's decided to start with a healthy potluck challenge at the next





STRATEGIES TO PROMOTE THE AVAILABILITY OF AFFORDABLE HEALTHY FOOD AND BEVERAGES

Strategy 1	Communities should increase availability of healthier food and beverage choices in public service venues.
Suggested Measurement	A policy exists to apply nutrition standards consistent with the dietary guidelines for Americans (U.S. Department of Health and Human Services, U.S. Department of Agriculture. <i>Dietary guidelines for Americans. 6th ed.</i> Washington, DC: U.S. Government Printing Office; 2005.) to all food sold (e.g., meal menus and vending machines) within local government facilities in a local jurisdiction or on public school campuses during the school day within the largest school district in a local jurisdiction.
Strategy 2	Communities should improve availability of affordable, healthier food and beverage choices in public service venues.
Suggested Measurement	A policy exists to affect the cost of healthier foods and beverages (as defined by the Institute of Medicine [IOM] [Institute of Medicine. Preventing childhood obesity: health in the balance. Washington, DC: The National Academies Press; 2005]) relative to the cost of less healthy foods and beverages sold within local government facilities in a local jurisdiction or on public school campuses during the school day within the largest school district in a local jurisdiction.
Strategy 3	Communities should improve geographic availability of supermarkets in underserved areas.
Suggested Measurement	The number of full-service grocery stores and supermarkets per 10,000 residents within the three largest underserved census tracts within a local jurisdiction.
Strategy 4	Communities should provide incentives to food retailers to locate in and/or offer healthier food and beverage choices in underserved areas.
Suggested Measurement	Local government offers at least one incentive to new and/or existing food retailers to offer healthier food and beverage choices in underserved areas.
Strategy 5	Communities should improve availability of mechanisms for purchasing foods from farms.
Suggested Measurement	The total annual number of farmer-days at farmers' markets per 10,000 residents within a local jurisdiction.
Strategy 6	Communities should provide incentives for the production, distribution and procurement of foods from local farms.
Suggested Measurement	Local government has a policy that encourages the production, distribution and procurement of food from local farms in the local jurisdiction.

STRATEGIES AND MEASUREMENTS TO PREVENT OBESITY IN THE U.S.

STRATEGIES TO SUPPORT HEALTHY FOOD AND BEVERAGE CHOICES	
Strategy 7	Communities should restrict availability of less healthy foods and beverages in public service venues.
Suggested Measurement	A policy exists that prohibits the sale of less healthy foods and beverages (as defined by IOM [Institute of Medicine. Preventing childhood obesity: health in the balance. Washington, DC: The National Academies Press; 2005]) within local government facilities in a local jurisdiction or on public school campuses during the school day within the largest school district in a local jurisdiction.
Strategy 8	Communities should institute smaller portion-size options in public service venues.
Suggested Measurement	Local government has a policy to limit the portion size of any entree (including sandwiches and entrée salads) by either reducing the standard portion size of entrees or offering smaller portion sizes in addition to standard portion sizes within local government facilities in a local jurisdiction.
Strategy 9	Communities should limit advertisements of less healthy foods and beverages.
Suggested Measurement	A policy exists that limits advertising and promotion of less healthy foods and beverages within local government facilities in a local jurisdiction or on public school campuses during the school day within the largest school district in a local jurisdiction.
Strategy 10	Communities should discourage consumption of sugar-sweetened beverages.
Suggested Measurement	Licensed child care facilities within the local jurisdiction are required to ban sugar-sweetened beverages, including flavored/sweetened milk, and limit the portion size of 100% juice.
Strategy 5	Communities should improve availability of mechanisms for purchasing foods from farms.
Suggested Measurement	The total annual number of farmer-days at farmers' markets per 10,000 residents within a local jurisdiction.
Strategy 6	Communities should provide incentives for the production, distribution and procurement of foods from local farms.
Suggested Measurement	Local government has a policy that encourages the production, distribution and procurement of food from local farms in the local jurisdiction.

STRATEGIES AND MEASUREMENTS TO PREVENT OBESITY IN THE U.S.

STRATEGIES TO ENCOURAGE	
PHYSICAL ACTIVITY OR LIMIT SEDENT	ARY ACTIVITY AMONG CHILDREN AND YOUTH

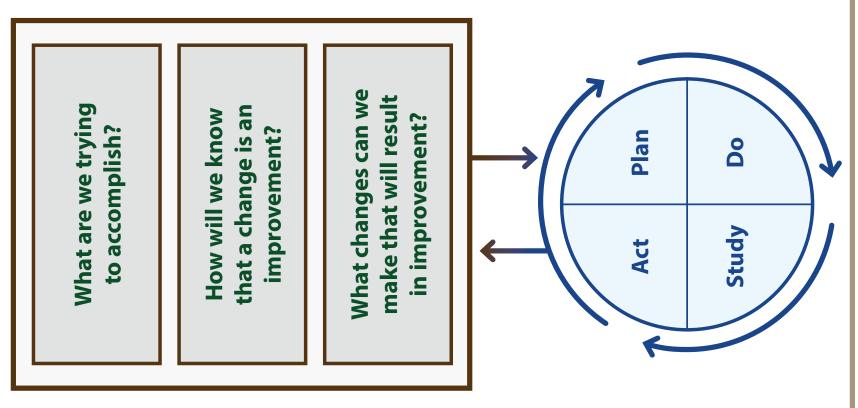
Measurement schools Strategy 13 Communications Suggested The large active for active for schools Strategy 14 Communications Suggested The per athletic Communications Strategy 15 Communications Suggested License two holes	gest school district located within the local jurisdiction has a policy that requires a minimum of 150 minutes per of PE in public elementary schools and a minimum of 225 minutes per week of PE in public middle schools and high a throughout the school year (as recommended by the National Association of Sports and Physical Education). unities should increase the amount of physical activity in PE programs in schools. gest school district located within the local jurisdiction has a policy that requires K-–12 students to be physically for at least 50% of time spent in PE classes in public schools. unities should increase opportunities for extracurricular physical activity. rcentage of public schools within the largest school district in a local jurisdiction that allow the use of their capitalities by the public during non-school hours on a regular basis.
Suggested The large active for ac	gest school district located within the local jurisdiction has a policy that requires K-–12 students to be physically for at least 50% of time spent in PE classes in public schools. unities should increase opportunities for extracurricular physical activity. rcentage of public schools within the largest school district in a local jurisdiction that allow the use of their
Measurement active for Strategy 14 Communications The per athletic Strategy 15 Communications Suggested Measurement License two holds.	for at least 50% of time spent in PE classes in public schools. unities should increase opportunities for extracurricular physical activity. rcentage of public schools within the largest school district in a local jurisdiction that allow the use of their
Suggested The per athletic Strategy 15 Communications Suggested License two horsests and the per athletic strategy 15 Communications and the per athletic strategy 15 Communic	rcentage of public schools within the largest school district in a local jurisdiction that allow the use of their
Measurement athletic Strategy 15 Communication Suggested Measurement two holes	
Suggested License Measurement two hor	
Measurement two ho	unities should reduce screen time in public service venues.
Strategy 5 Commu	ed child care facilities within the local jurisdiction are required to limit screen viewing time to no more than ours per day for children aged ≥2 years.
	unities should improve availability of mechanisms for purchasing foods from farms.
Suggested Measurement The total	tal annual number of farmer-days at farmers' markets per 10,000 residents within a local jurisdiction.
Strategy 6 Commu	unities should provide incentives for the production, distribution and procurement of foods from local farms.
Suggested Local go Measurement in the lo	overnment has a policy that encourages the production, distribution and procurement of food from local farms

STRATEGIES AND MEASUREMENTS TO PREVENT OBESITY IN THE U.S.

STRATEGIES	TO CREATE SAFE COMMUNITIES THAT SUPPORT PHYSICAL ACTIVITY
Strategy 16	Communities should improve access to outdoor recreational facilities.
Suggested Measurement	The percentage of residential parcels in a local jurisdiction within a half-mile network distance of at least one outdoor public recreational facility.
Strategy 17	Communities should enhance infrastructure supporting bicycling.
Suggested Measurement	Total miles of designated shared-use paths and bike lanes relative to the total street miles (excluding limited access highways) that are maintained by a local jurisdiction.
Strategy 18	Communities should enhance infrastructure supporting walking.
Suggested Measurement	Total miles of paved sidewalks relative to the total street miles (excluding limited access highways) that are maintained by a local jurisdiction.
Strategy 19	Communities should support locating schools within easy walking distance of residential areas.
Suggested Measurement	The largest school district in the local jurisdiction has a policy that supports locating new schools, and/or repairing or expanding existing schools within easy walking or biking distance of residential areas.
Strategy 20	Communities should improve access to public transportation.
Suggested Measurement	The percentage of residential and commercial parcels in a local jurisdiction located either within a quarter-mile network distance of at least one bus stop or within a half-mile network distance of at least one train stop (including commuter and passenger trains, light rail, subways and street cars).
Strategy 21	Communities should zone for mixed-use development.
Suggested Measurement	Percentage of zoned land area (in acres) within a local jurisdiction zoned for mixed use that specifically combines residential land use with one or more commercial, institutional or other public land uses.
Strategy 22	Communities should enhance personal safety in areas where persons are or could be physically active.
Suggested Measurement	The number of vacant or abandoned buildings (residential and commercial) relative to the total number of buildings within a local jurisdiction.
Strategy 23	Communities should enhance traffic safety in areas where persons are or could be physically active.
Suggested Measurement	Local government has a policy for designing and operating streets with safe access for all users, which includes at least one element suggested by the National Complete Streets Coalition (http://www.completestreets.org).

Model for Improvement





Source: Langley GL, Moen R, Nolan KM, Nolan TW, Norman CL, Provost LP. The Improvement Guide: A Practical Approach to Enhancing Organizational Performance (2nd edition). San Francisco: Jossey-Bass Publishers; 2009.