

Public Health in a Time of Change: Factors That Affect Health

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CDC Strategic Directions

Improve health security at home and around the world



Better prevent the leading causes of illness, injury, disability, and death



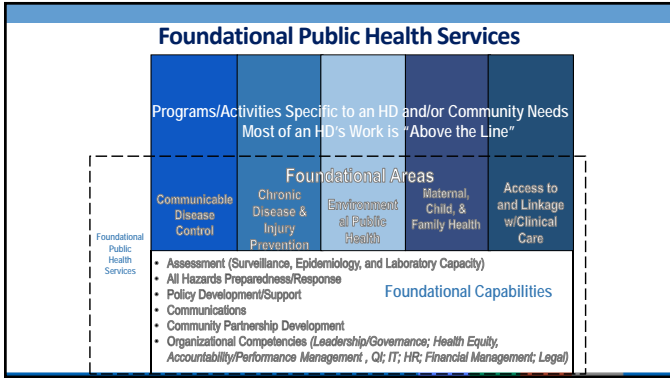
Strengthen public health/health care collaboration

National Trends in Health System Transformation

- Increased access to health insurance
- Value-based payment model
- Innovative care models
- Demographic changes
- Evolving role of public health

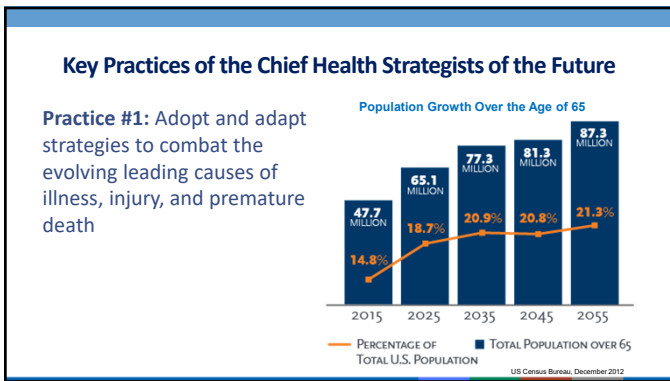


SOURCE: IAHIA, 2014-15 (16); IAHIA, 2014-15 (16); IAHIA, 2014-15 (16); Behavioral Risk Factor Surveillance System, 2013 & Preliminary 2014; National Health Interview Survey



Public Health as Chief Health Strategist

- Less direct care—more policy
- Convening
- Diverse sectors
- Emerging needs & populations
- Upstream focus
- Real-time and new data



Key Practices of the Chief Health Strategists of the Future

Practice #2: Develop strategies for promoting health and well-being that work most effectively for communities of today and tomorrow



Key Practices of the Chief Health Strategists of the Future

Practice #3: Identify, analyze, and distribute information from new, big, and real-time data sources



Key Practices of the Chief Health Strategists of the Future

Practice #4: Build a more integrated, effective health system through collaboration between clinical care and public health



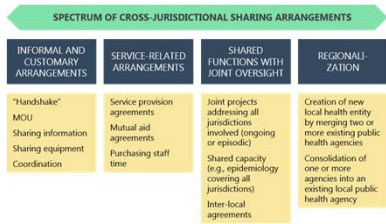
Key Practices of the Chief Health Strategists of the Future

Practice #5: Collaborate with a broad array of allies—including those at the neighborhood-level and the non-health sectors—to build healthier and more vital communities



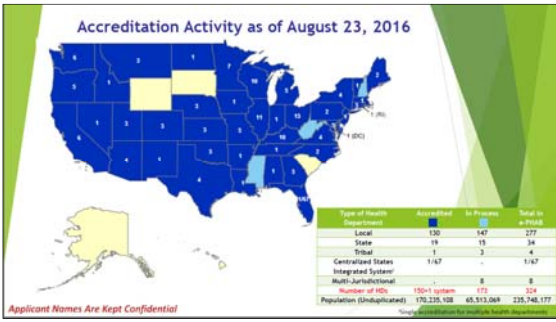
Key Practices of the Chief Health Strategists of the Future

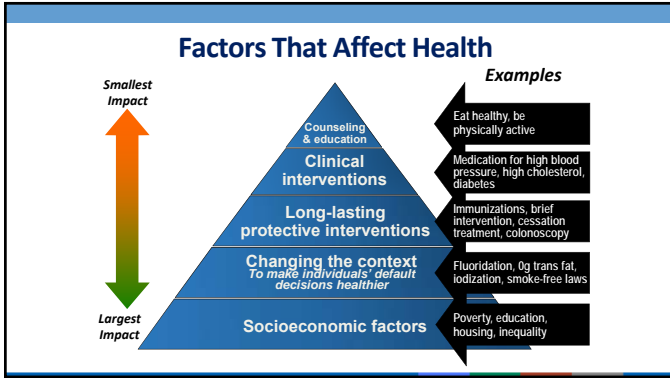
Practice #6: Replace outdated organizational practices with state-of-the-art business, accountability, and financing systems

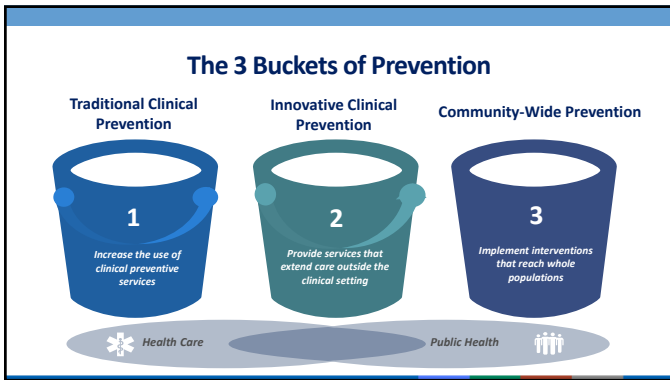


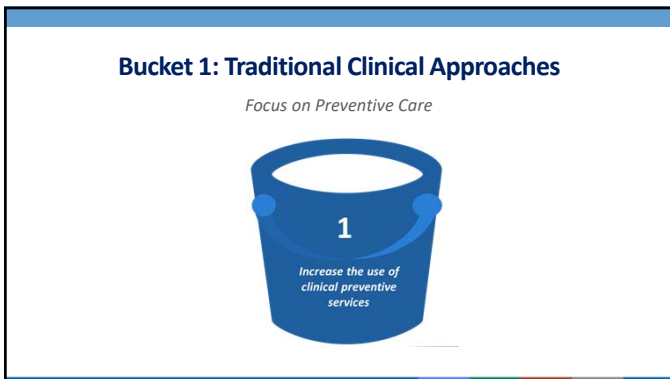
Accreditation Sets Standards

Accreditation Activity as of August 23, 2016









Indicators — The Clinical Components

A spirin	People at increased risk of cardiovascular events who are taking aspirin	47%
B lood pressure	People with hypertension who have adequately controlled blood pressure	46%
C holesterol	People with high cholesterol who are effectively managed	33%
S moking	People trying to quit smoking who get help	23%

MMWR, 2011;60:1248-51

Development of 6|18 Initiative

- Focus on 6 high-cost, high-prevalence conditions
- Review of CIO evidence-based clinical interventions
- 18 interventions identified

Close Correlation of 6 Conditions with Key Winnable Battles for Public Health

<p>➔ Tobacco</p>		<p>➔ Nutrition, Physical Activity, Obesity and Food Safety</p>
<p>➔ Healthcare-Associated Infections</p>		<p>➔ Motor Vehicle Injuries</p>
<p>➔ Teen Pregnancy</p>		<p>➔ HIV</p>

Examples of Traditional Clinical Proposals in 6 | 18 Initiative

- Prescribing of medications for hypertension, tobacco use & asthma *but without cost-sharing*
- Increasing access to contraceptive services by *debundling LARC & eliminating pre-approval*
- Provide *earlier reimbursement* by Medicare for fistula placement for new maintenance hemodialysis



Examples of Initiatives to Increase Use of Preventive Services



Bucket 2: Innovative Patient-Centered Care

Focus on Preventive Care



To Address Asthma:
Healthy Home Risk Reduction



Home visit by CHWs to

- Provide additional education and encouragement
- Assess risk factors in the home
- Assist in removing risk factors

To Address Hypertension:
Team Approach & At-Home Monitoring



- Team approach: Clinical agreements with pharmacists to monitor blood pressure
- Home-based approach: Blood pressure monitoring home devices; follow-up care

Bucket 3: Community-Wide Health

Focus on Preventive Care





14 Evidence-Based, Community-Wide Interventions

Address the Social Determinants of Health

- Early Childhood Education
- Clean Diesel Bus Fleets
- Public Transportation System Introduction or Expansion
- Home Improvement Loans and Grants
- Earned Income Tax Credits
- Water Fluoridation

Change the Context: Making Healthy Choice the Easy Choice

- School-Based Programs to Increase Physical Activity
- School-Based Violence Prevention
- Safe Routes to School (SRTS)
- Motorcycle Injury Prevention
- Tobacco Control Interventions
- Access to Clean Syringes
- Pricing Strategies for Alcohol Products
- Multi-Component Worksite Obesity Prevention

HI-5
HEALTH IMPACT IN 5 YEARS

Helping children develop to their full potential and live healthier lives.

A B C

Description



- Early childhood education (ECE) addresses literacy, numeracy, cognitive development, socio-emotional development, and motor skills for children aged 3-4 years.
- Some programs offer recreation, meals, health care, parental supports, and social services.
- Children disadvantaged by poverty may experience an even greater benefit.

Health Impact:

- Improved cognitive and emotional development
- Healthier weight
- Reduced maltreatment
- Protective factor against onset of adult disease and disability

Economic Impact:

- ECE programs are associated with positive benefits-to-cost ratios up to \$5.19:1.

Helping people quit tobacco.

Description

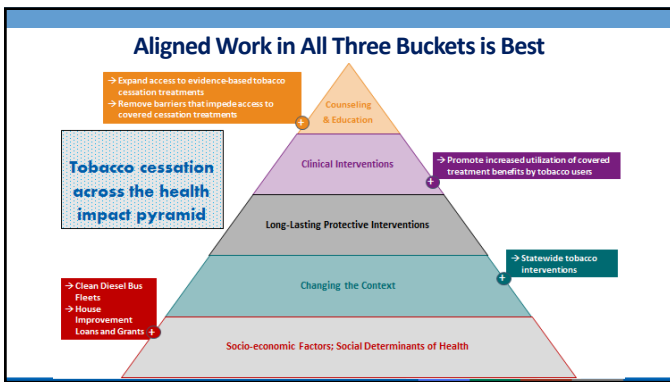
- Tobacco price increases
- High-impact anti-tobacco mass media campaigns
- Comprehensive smoke-free policies

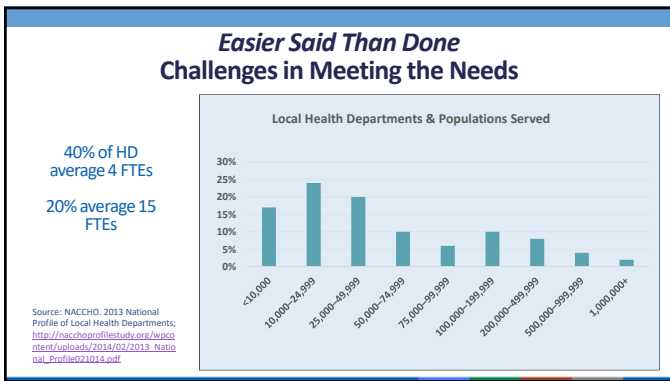
Health Impact

- Reduced smoking initiation and use among adults and youths
- Increased quitting among adults/youth
- Reduced hospitalizations (asthma and heart attacks)

Economic Impact

- Smoke-free indoor policies reduce hospital admissions by 5-20%
- Mass-media campaigns have benefit-to-cost ratio up to 74:1
- Raising prices of tobacco products by 20% generates healthcare savings up to \$90 per person per year





www.cdc.gov/sixeighteen

SIX WAYS TO SPEND SMARTER FOR HEALTHIER PEOPLE

- 1. PREVENTION
- 2. COORDINATED CARE
- 3. MEDICAL PERSONNEL
- 4. MEDICAL DEVICES
- 5. HEALTHY ENVIRONMENT
- 6. HEALTHY BEHAVIORS

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CDC COMMUNITY HEALTH IMPROVEMENT NAVIGATOR

Invest in Your Community

Resources

www.cdc.gov/hi5

HI-5

HEALTH IMPACT IN 5 YEARS

Changing the Context

Social Determinants of Health



CDC 24/7

Saving Lives.
Protecting People.™

LEARN MORE ABOUT HOW
CDC WORKS FOR YOU.

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Phone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348
Email: cdcinfo@cdc.gov Web: www.cdc.gov

