NIH Stories of Success in Disease Prevention

Informing National Recommendations About Clinical Preventive Services

National Institutes of Health
Office of Disease Prevention

The NIH closes scientific evidence gaps and reduces uncertainty for health care providers

The U.S. Preventive Services Task Force (USPSTF) evaluates evidence

The USPSTF issues an I statement

An **I statement** is generated when **evidence is insufficient** to evaluate a preventive service's benefits and harms

More evidence is generated

The USPSTF makes recommendations about primary care preventive services such as screenings, behavioral counseling, and preventive medications

The USPSTF issues a recommendation for or against providing a service

FUNDING

The NIH is the largest single funder of the scientific evidence base used by the USPSTF

– Villani et al., JAMA, 2018

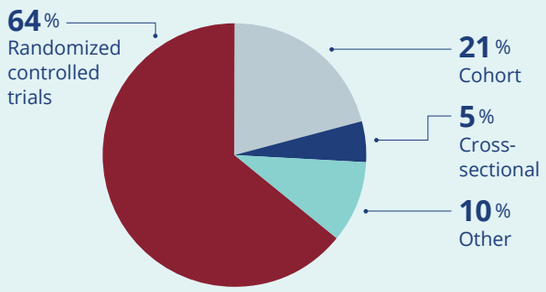
Eleven I statements were upgraded between 2010 and 2018

29% The NIH supported an average of 11 publications per I statement. This represents 29% of all publications and 62% of U.S.-based publications that provided evidence to upgrade the I statements.

13 NIH Institutes, Centers, and Offices (ICOs) funded research that helped upgrade the eleven I statements.

STUDY DESIGN

Study designs used in NIH-supported studies that informed upgraded I statements:



EVIDENCE

Characteristics of NIH-supported evidence that enabled the USPSTF to move I statements to recommended (grade A, B, or C) or not recommended (grade D) services

I Statement Topic Areas	Service Type	Grade Issued (Year)	Supporting ICOs	Funding Mechanisms: R Grants	U & P Grants	Contracts	Intramural
Abnormal Blood Glucose and Type 2 Diabetes	Screening	**B** (2015)	NHLBI, NIDDK	✓	✓	✓	
Aspirin Use to Prevent Preeclampsia	Preventive medication	**B** (2014)	NICHD	✓	✓		
Gestational Diabetes	Screening	**B** (2014)	NCI, NCRR, NICHD, NIDDK	✓	✓	✓	✓
Hepatitis C	Screening	**B** (2013)	NCI, NCRR, NIA, NIAID, NIDA, NIDDK, NIMHD	✓	✓		
Intimate Partner Violence	Screening	**B** (2013)	NCRR, NHLBI, NIAAA, NICHD, NIMH, NINR	✓	✓		✓
Lung Cancer	Screening	**B** (2013)	NCI	✓	✓	✓	
Obesity in Children and Adolescents	Screening, Counseling	**B** (2010)	NCRR, NHLBI, NICHD, NIDDK, NIMH	✓	✓		
Prostate Cancer	Screening	**D** (2012)	NCI, NCRR, NHLBI, NIA, NINR	✓	✓	✓	
Skin Cancer Prevention	Counseling	**B** (2012) **C** (2018)	NCI	✓	✓		
Tobacco Use in Children and Adolescents	Counseling	**B** (2013)	NCI, NCRR, NIAAA, NICHD, NIDA, NIDCR, NIMH	✓	✓		