

HEPATITIS C CURRICULUM

Hepatitis C Incidence and Prevalence in the U.S.

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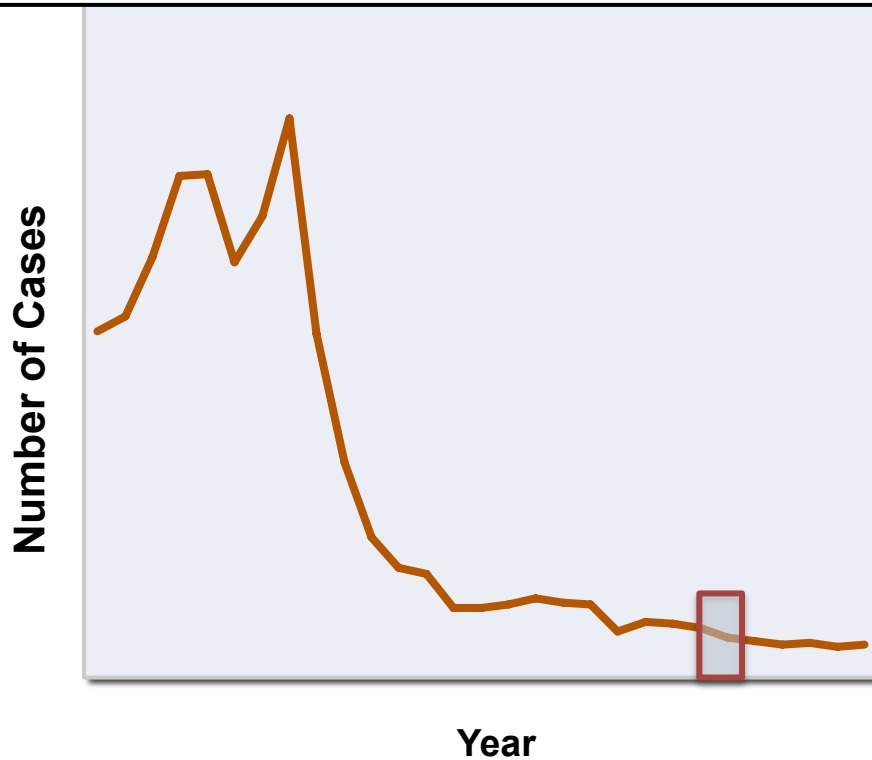


Hepatitis C Incidence and Prevalence in the U.S.: Outline

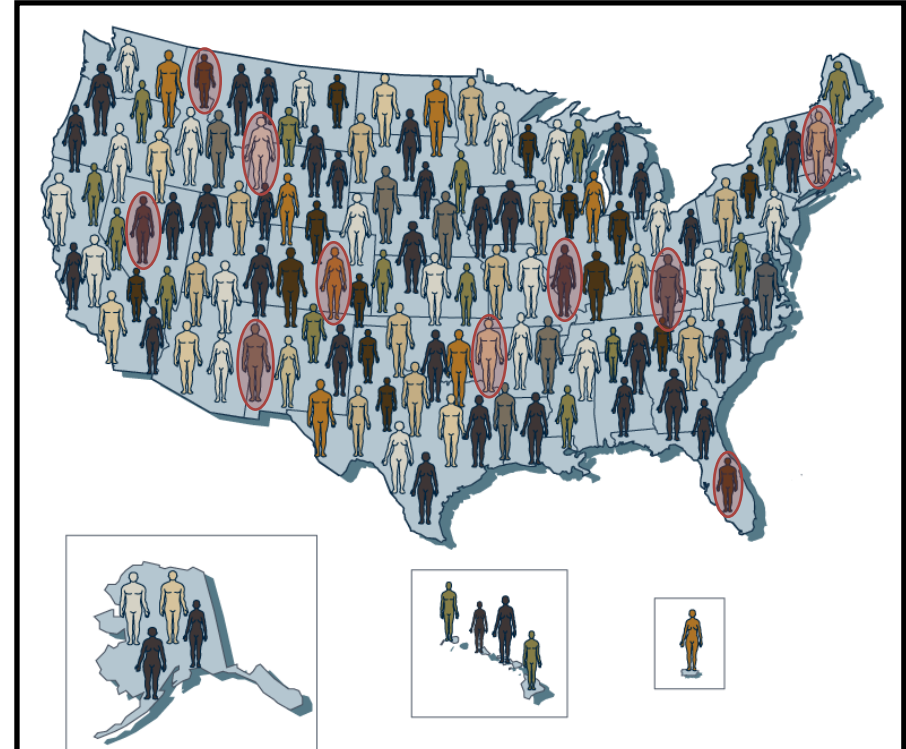
- HCV Incidence
- HCV Prevalence
- Awareness of Hepatitis C Infection



Hepatitis C Incidence and Prevalence



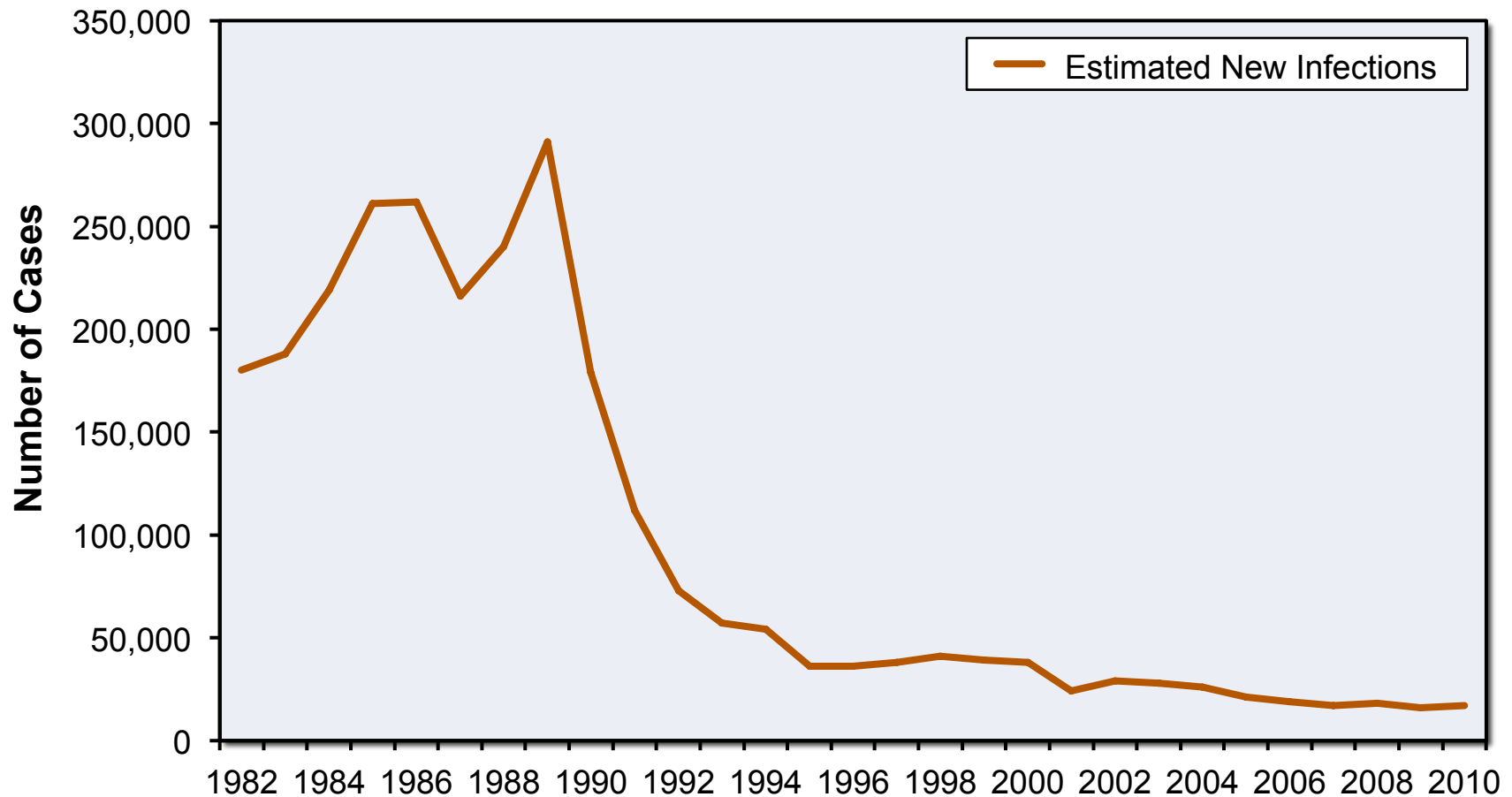
HCV Incidence. The number of people who become newly infected with HCV in a defined time period.



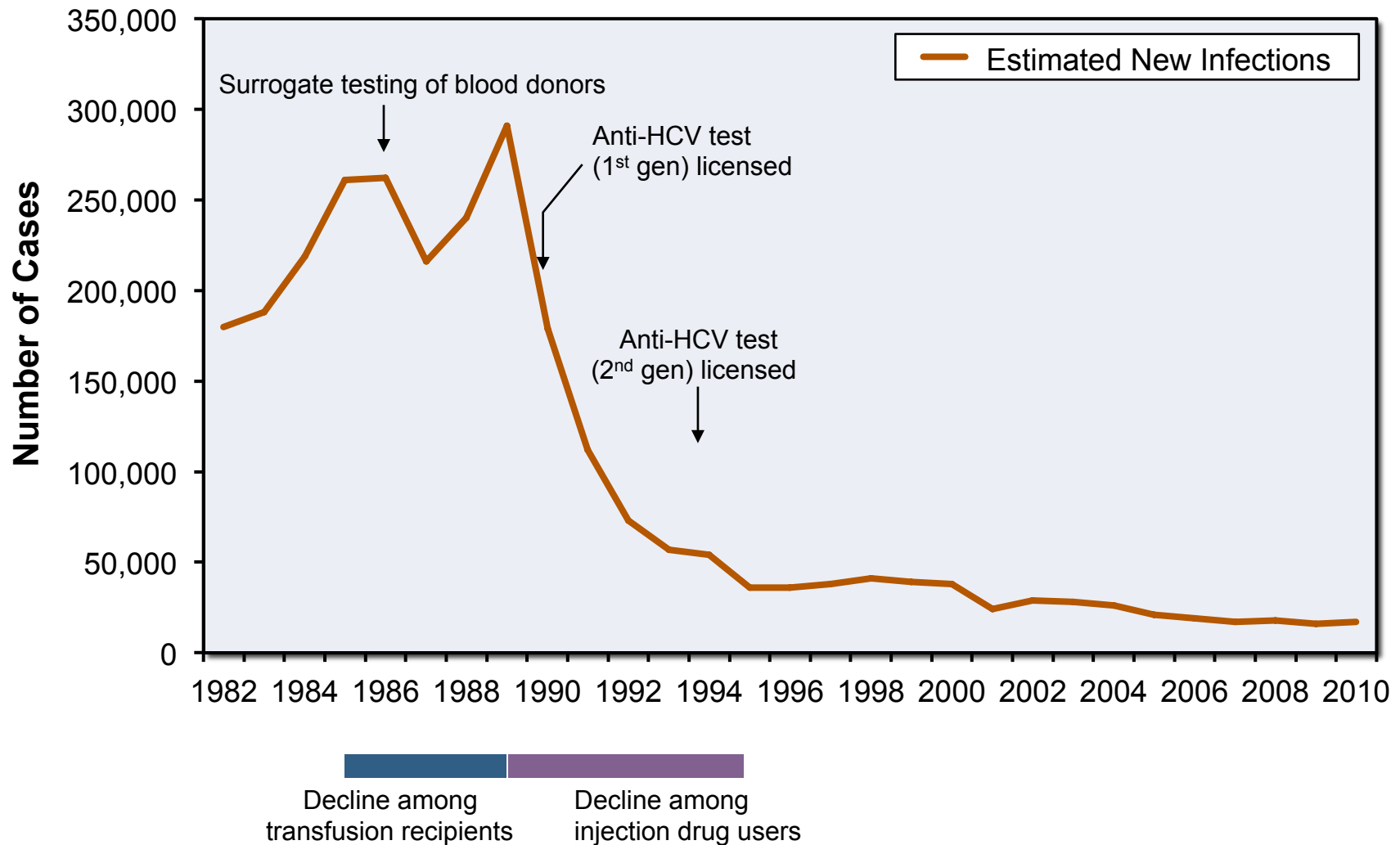
HCV Prevalence. The number of people living with HCV in a population at a point in time.

HCV Incidence in the United States

Hepatitis C Incidence in United States, 1982-2010



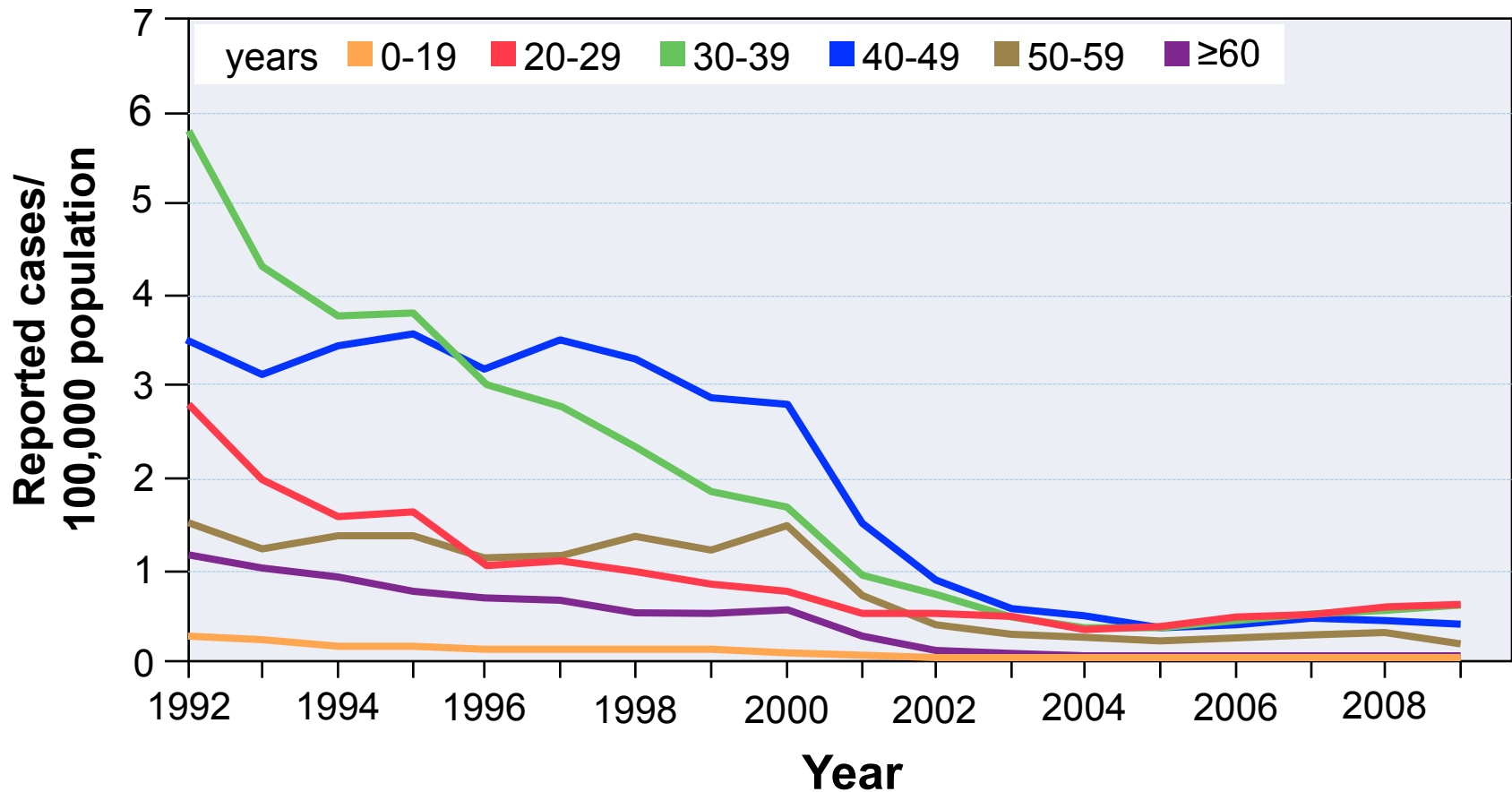
Hepatitis C Incidence in United States, 1982-2010



New Hepatitis C Infections in the United States

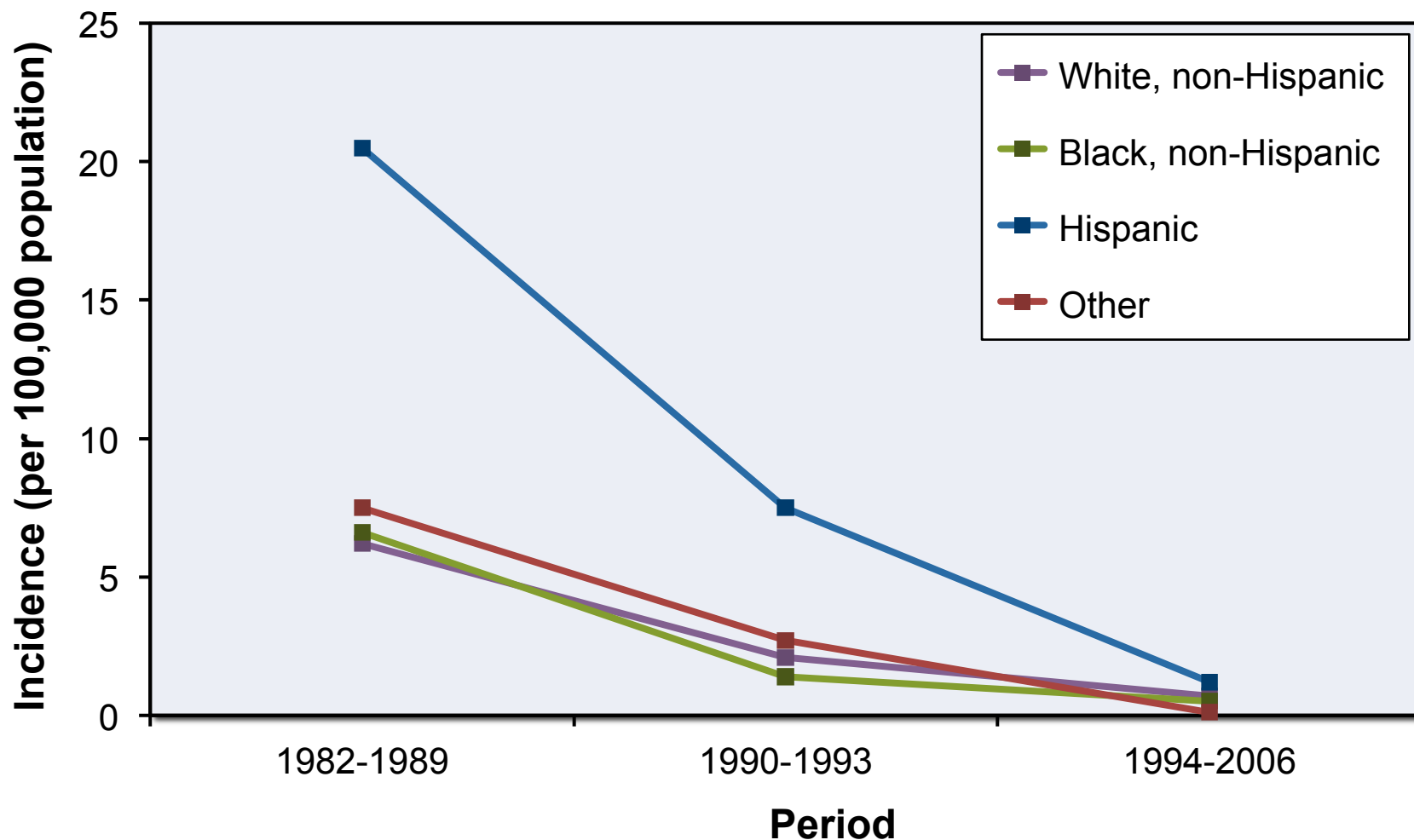
Incidence of New Hepatitis C Infections									
Type of Cases	Year								
	2002	2003	2004	2005	2006	2007	2008	2009	2010
Acute Clinical Cases Reported	1,223	891	758	694	802	849	878	781	853
Estimated Number of Acute Clinical Cases	4,800	4,500	4,200	3,400	3,200	2,800	2,900	2,600	2,800
Estimated Number of New Infections	29,000	28,000	26,000	21,000	19,000	17,000	18,000	16,000	17,000

Acute Hepatitis C Incidence by Age Group, United States, 1992-2009



Sentinel Counties Surveillance Project, 1982-2006

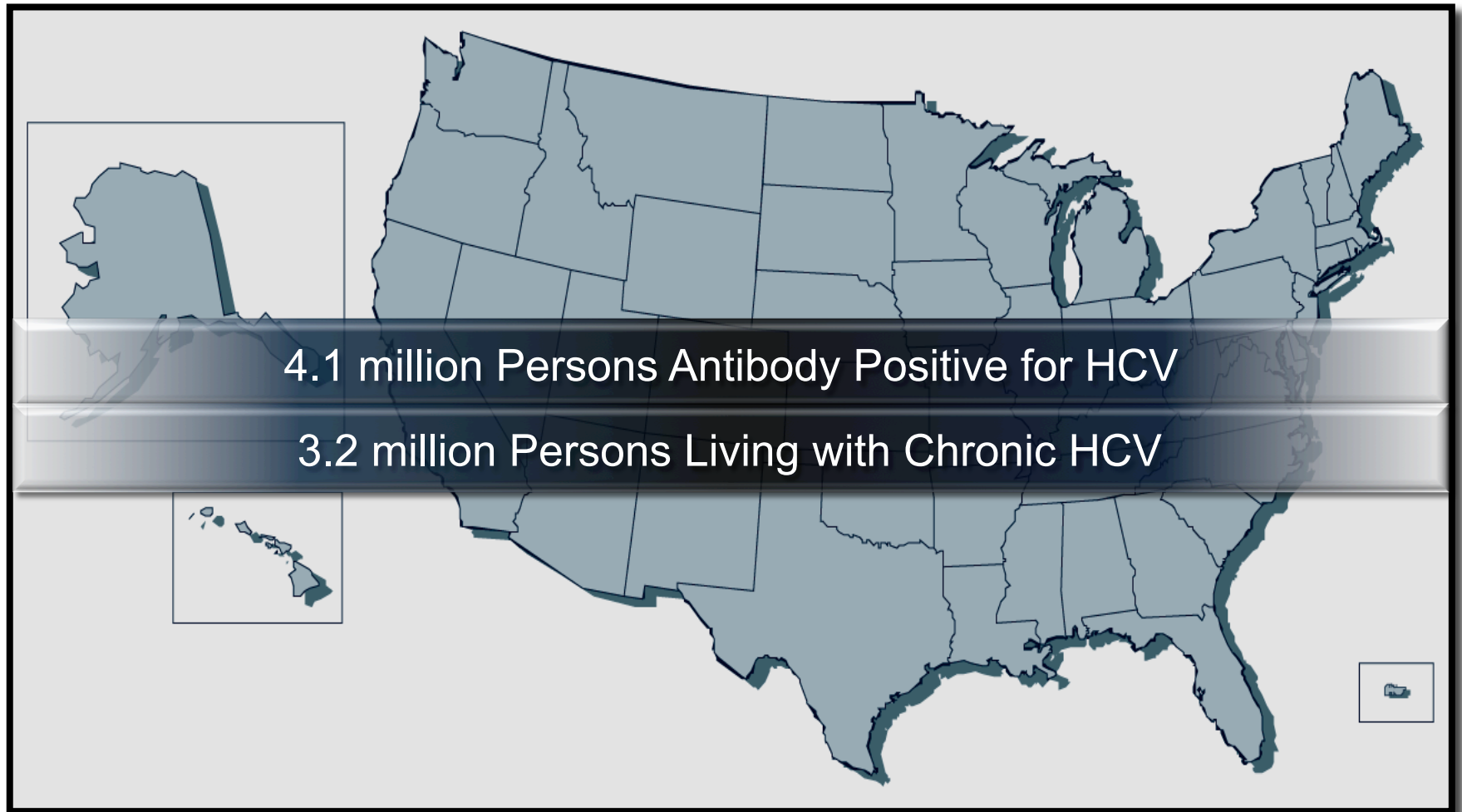
Acute Hepatitis C Incidence (per 100,000 Population) by Race



HCV Prevalence in the United States

NHANES Survey

Estimated Prevalence of Hepatitis C in U.S.

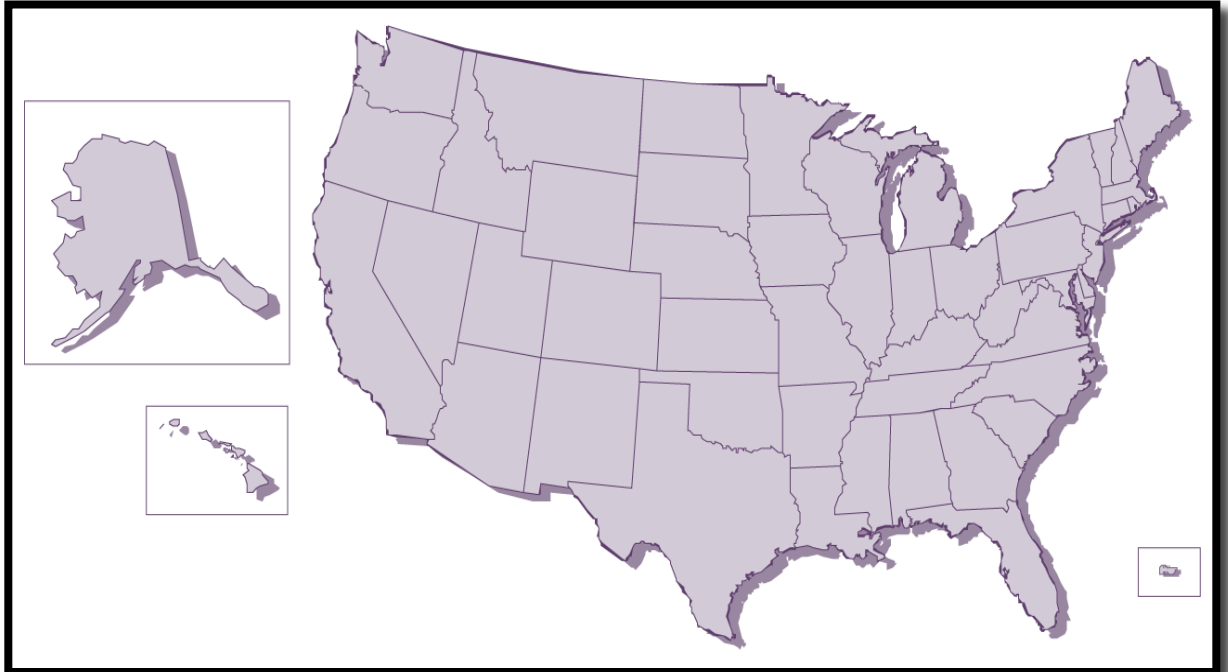


Expanded Estimate of HCV Prevalence

Estimated Number of anti-HCV Positive Persons in U.S

HCV Prevalence Estimate: Expansion of NHANES Survey

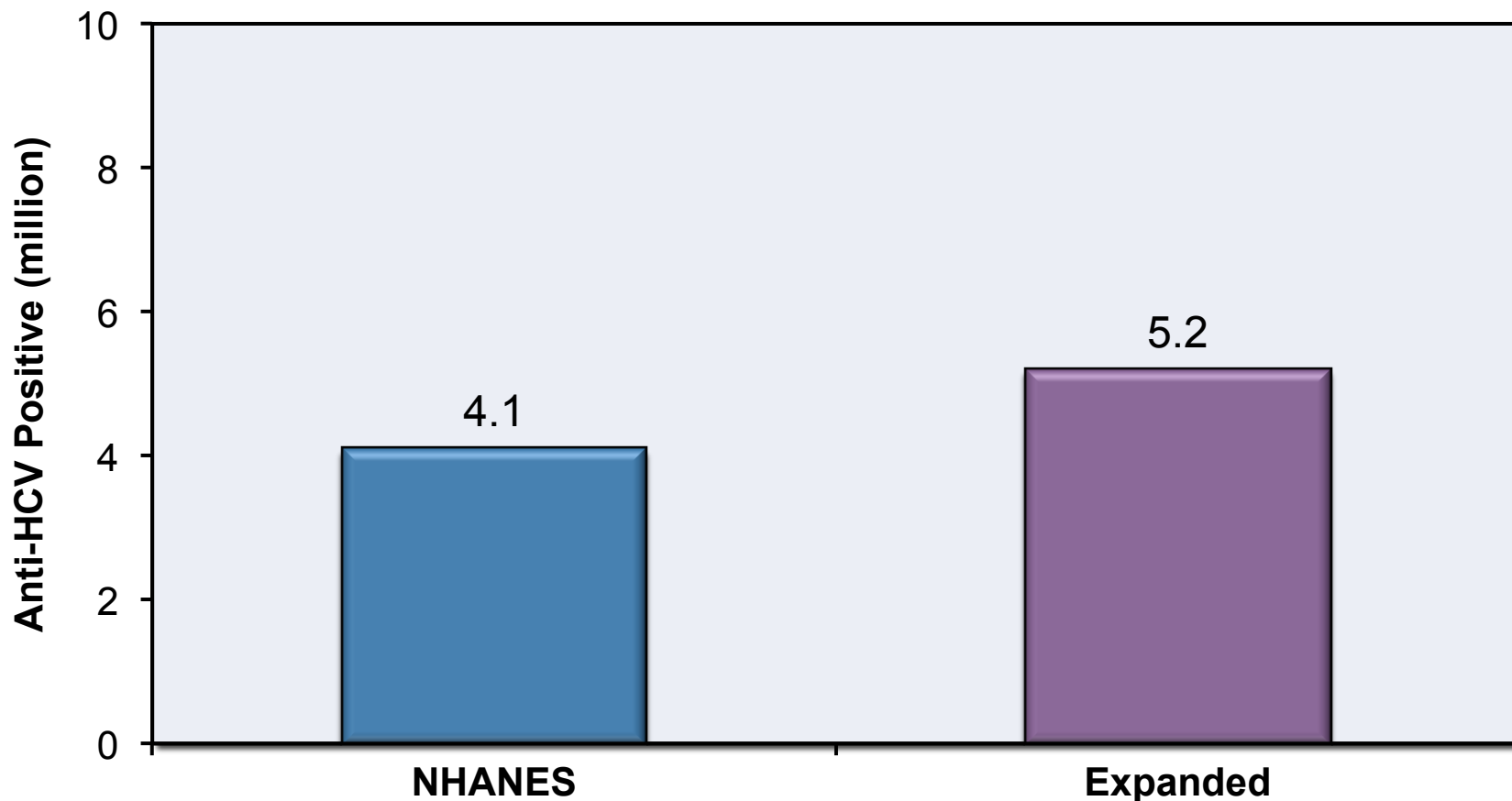
- Addition of Groups
 - Incarcerated
 - Homeless
 - Nursing Home Residents
 - Hospitalized Persons
 - Active Military Duty
- Recalculation of Groups
 - Healthcare Workers
 - Chronic Hemodialysis
 - Veterans



5.2 million Antibody Positive for HCV

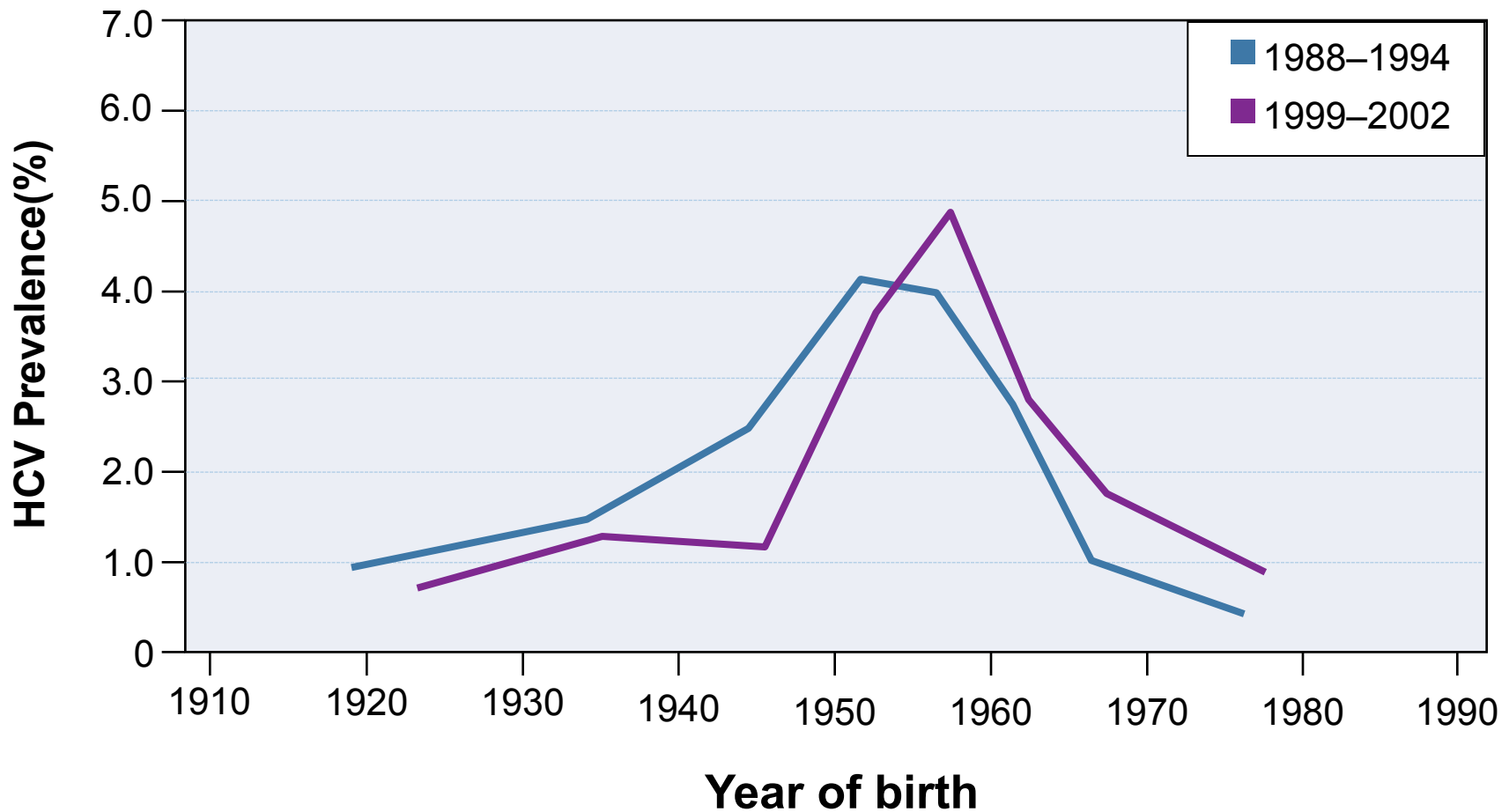
NHANES Survey and Expanded Prevalence

Estimated Number of anti-HCV Positive Persons in U.S



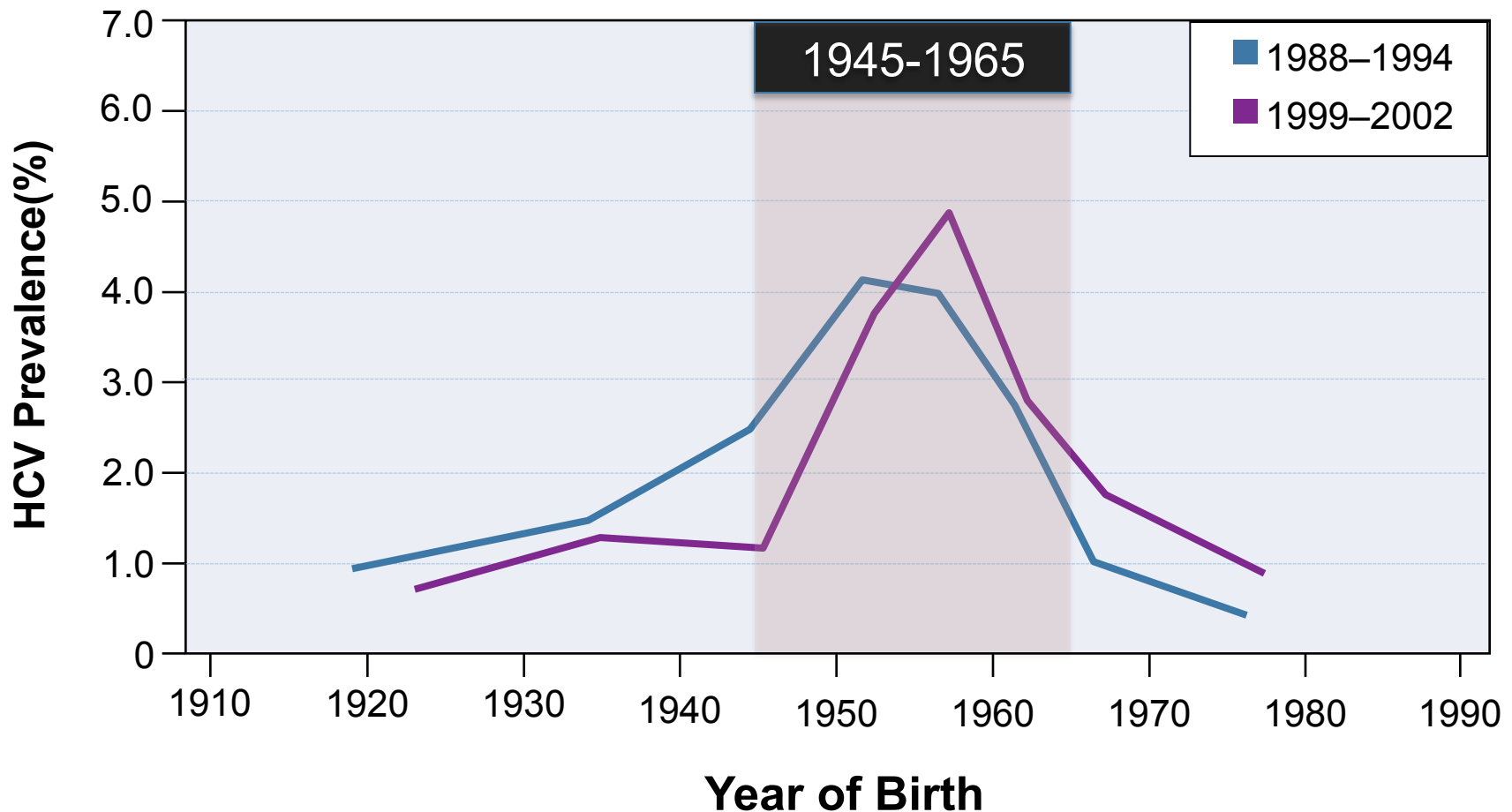
NHANES Survey: United States, 1988-1994 and 1999-2002

Prevalence of HCV Antibody, by Year of Birth

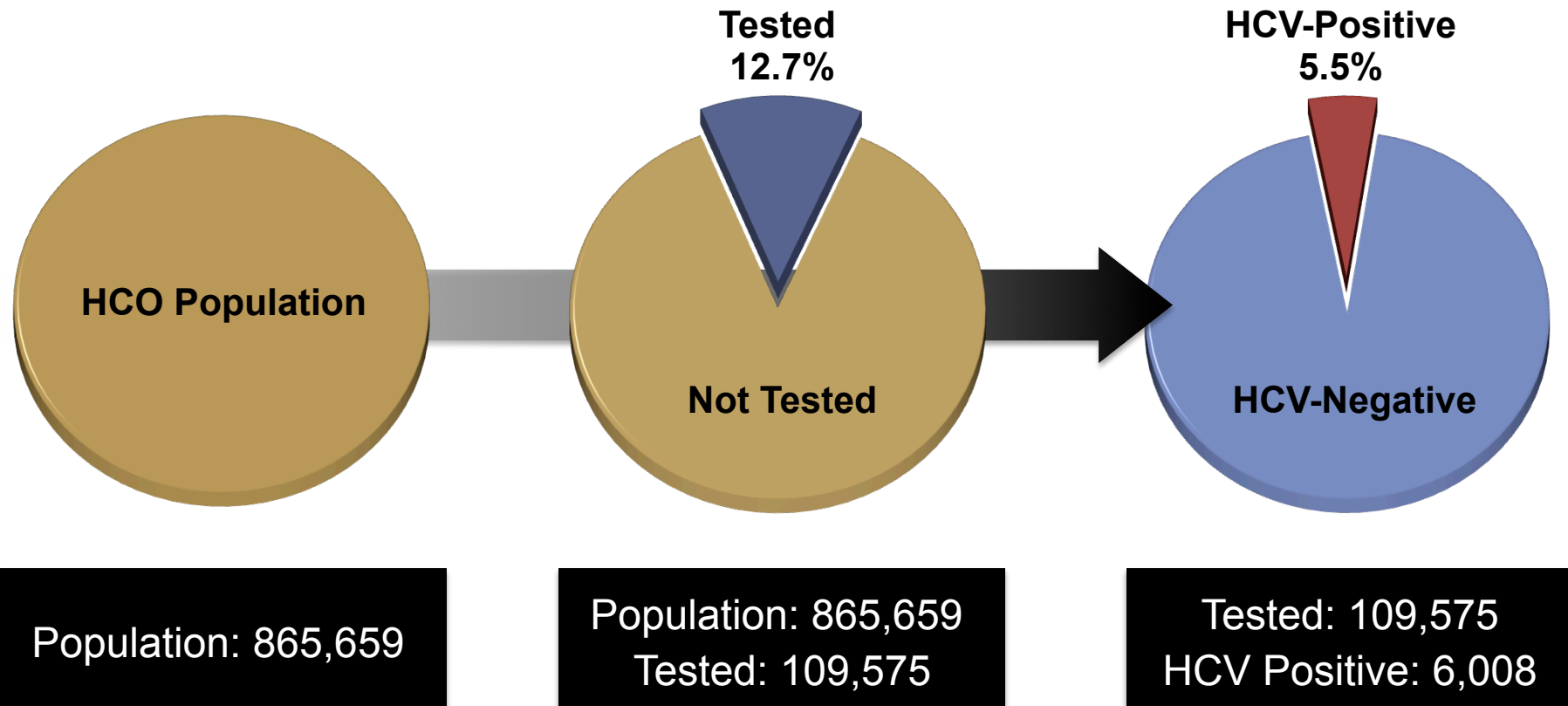


NHANES Survey: United States, 1988-1994 and 1999-2002

Prevalence of HCV Antibody, by Year of Birth

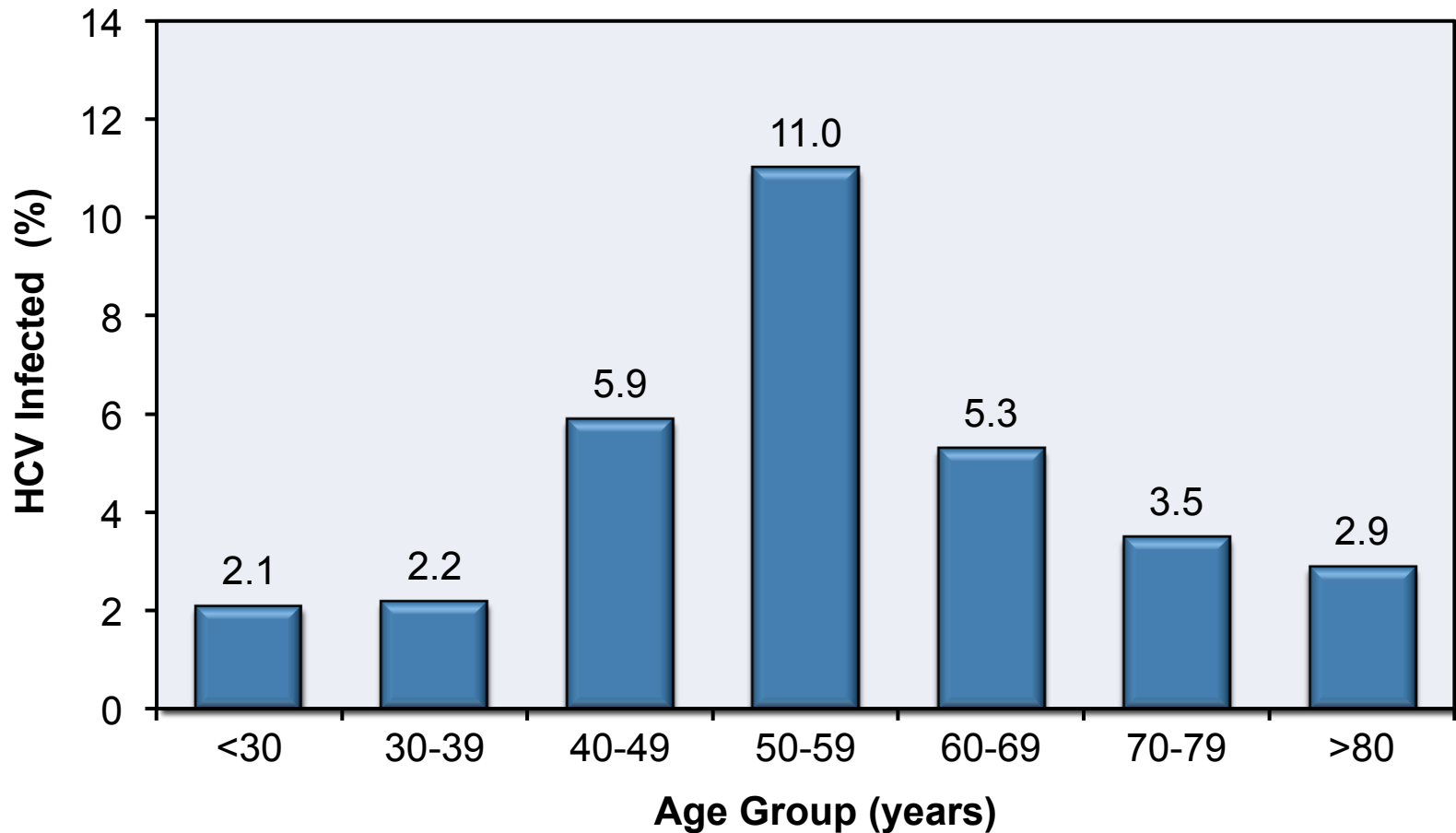


Private Health Care Organizations , U.S, 2006-2008 HCV Infection (Antibody Test or HCV RNA)



Private Health Care Organizations, United States, 2006-2008

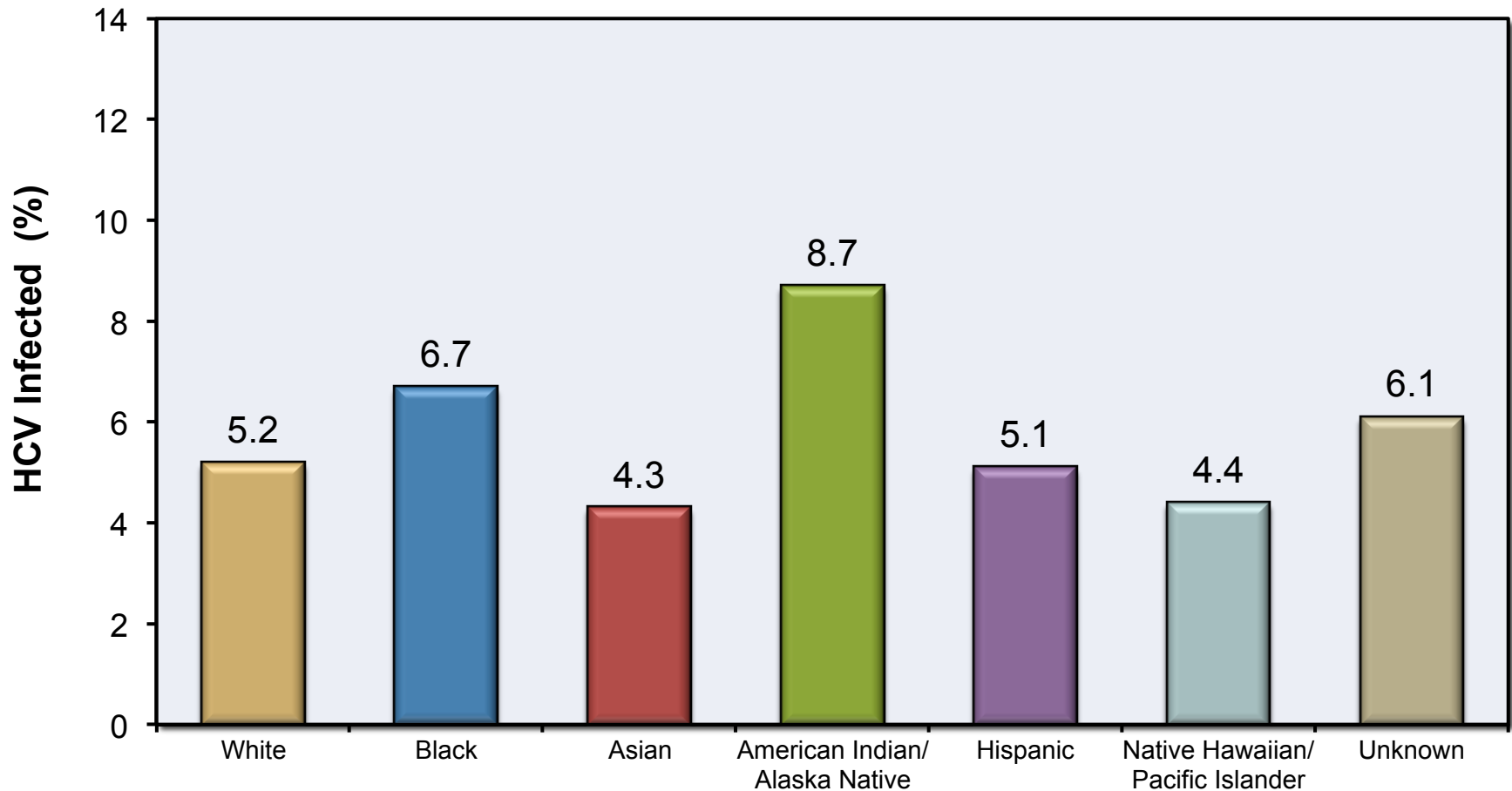
HCV Infection by Age Group



HCV infection defined as either positive anti-HCV or HCV RNA

Private Health Care Organizations, United States, 2006-2008

HCV Infection by Race

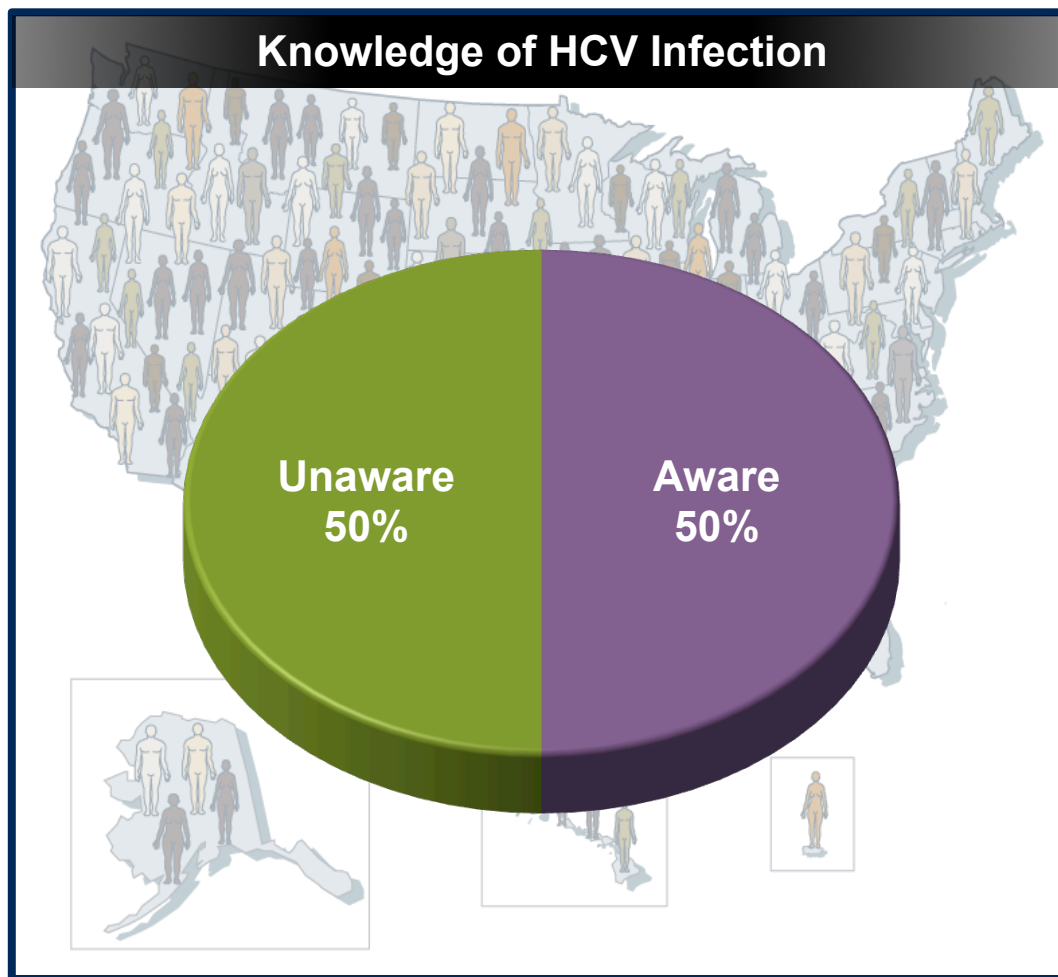


HCV infection defined as either positive anti-HCV or HCV RNA

Awareness of HCV Infection States

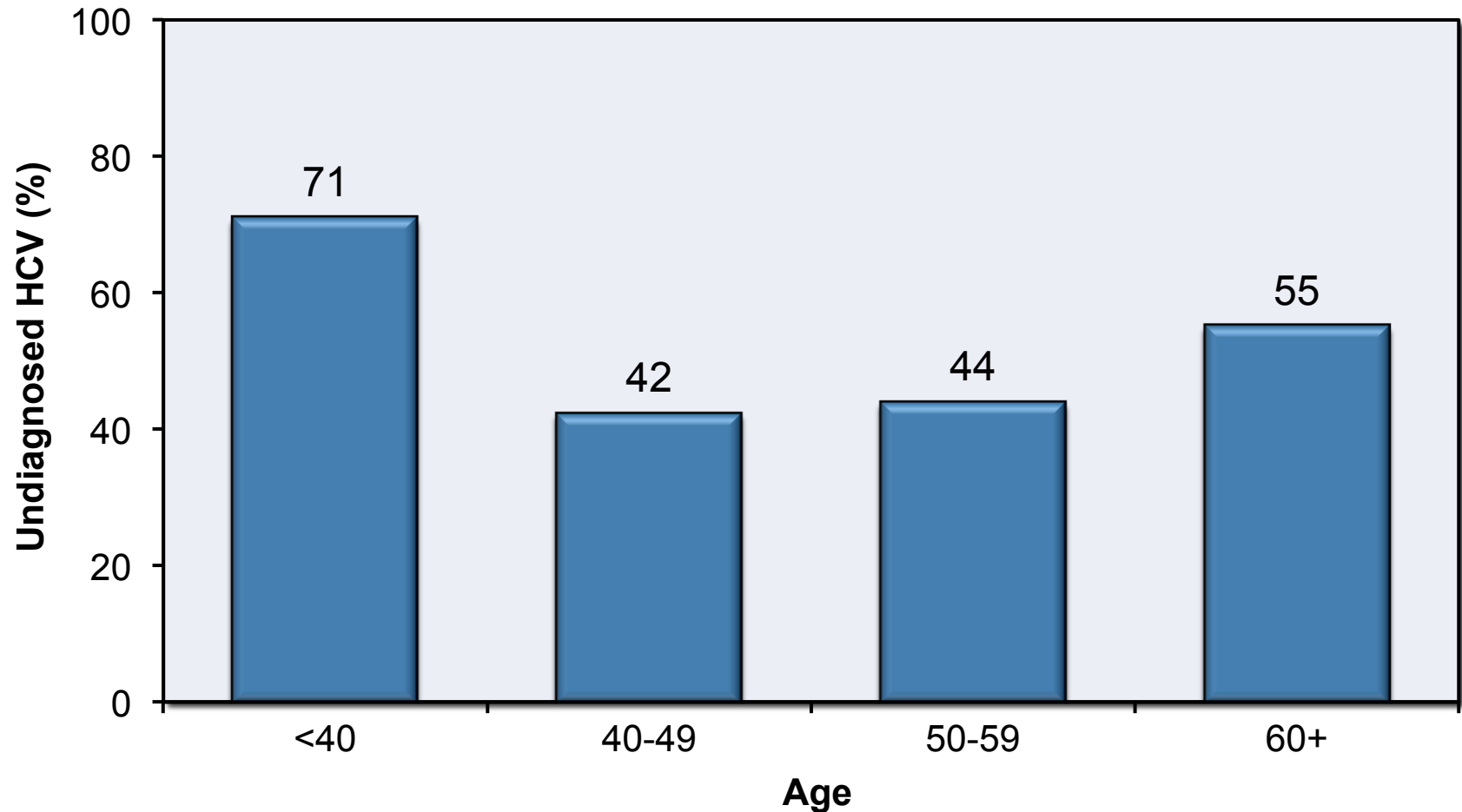
NHANES Survey, United States, 2001-2008

Awareness of HCV Infection Status



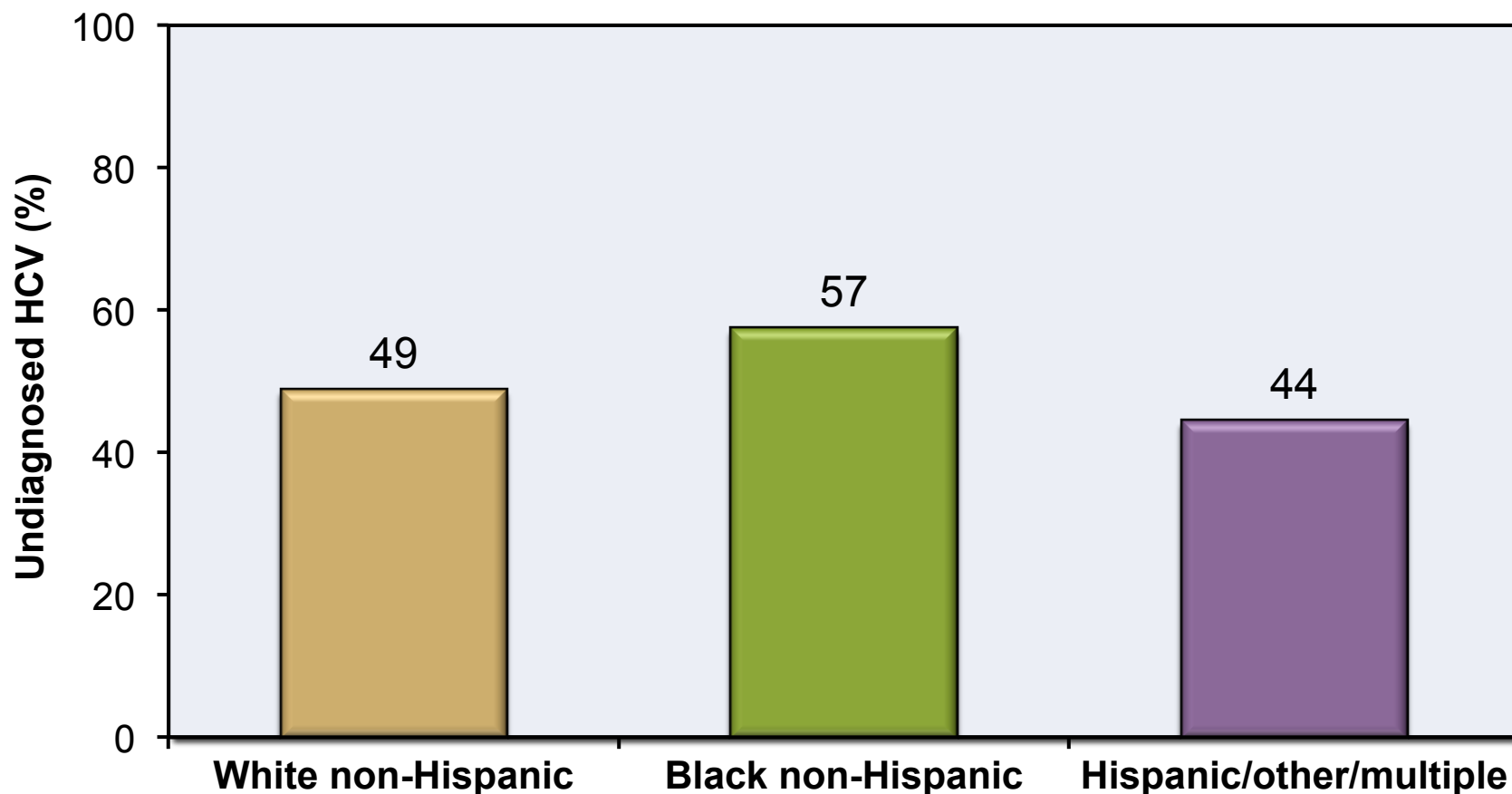
NHANES Survey, United States, 2001-2008

Lack of Knowledge of HCV Infection Status, by Age



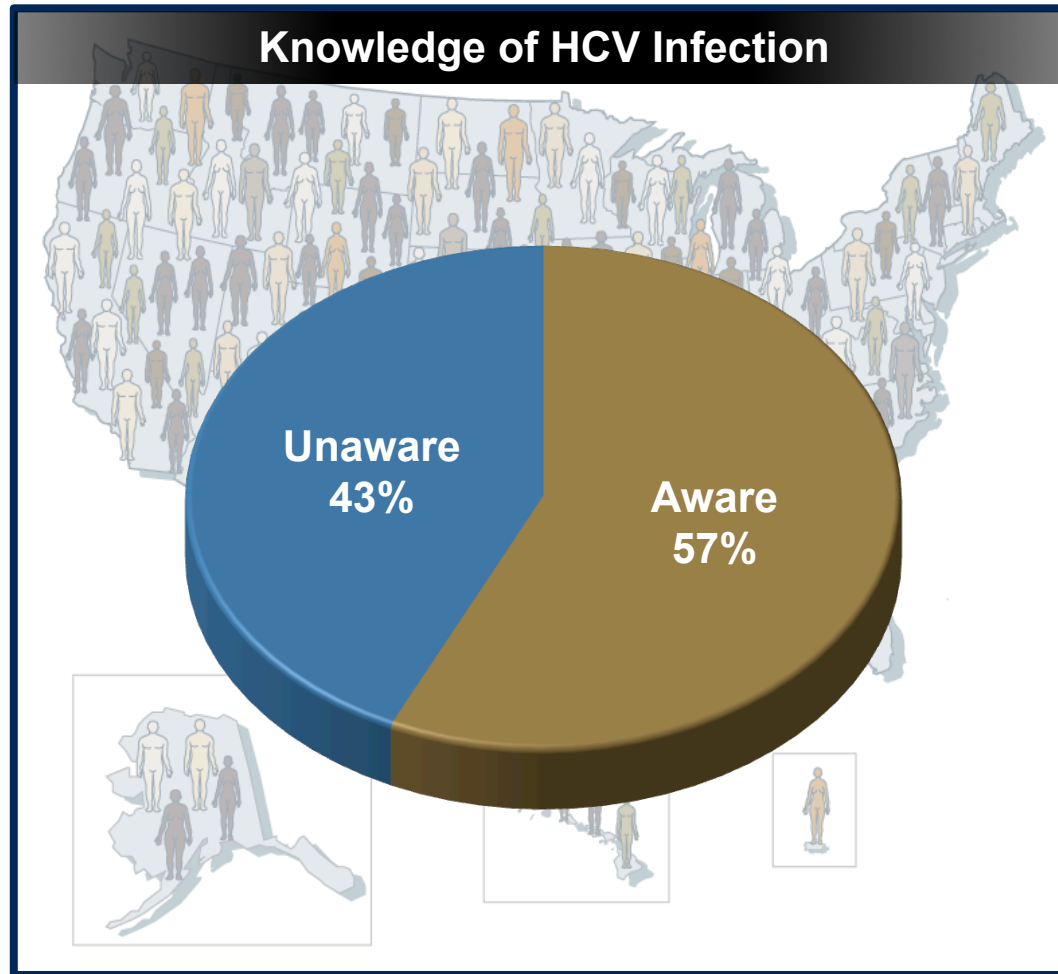
NHANES Survey, United States, 2001-2008

Lack of Knowledge of HCV Infection Status, by Race



Private Health Care Organizations, United States, 2006-2008

Awareness of HCV Infection Status



Hepatitis C Incidence and Prevalence in the U.S.: Summary

- The HCV annual incidence has declined dramatically since the mid-1980's
- In 2010, an estimated 17,000 new cases of hepatitis have occurred
- An estimated 4.2 to 5.1 million persons are HCV antibody positive
- An estimated 3.2 to 4.1 million persons are living with chronic hepatitis C
- The HCV prevalence is highest among persons born during 1945 to 1965
- Approximately 50% of persons are unaware of their hepatitis C status