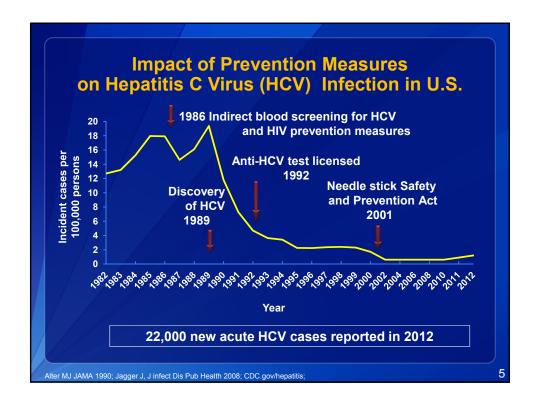
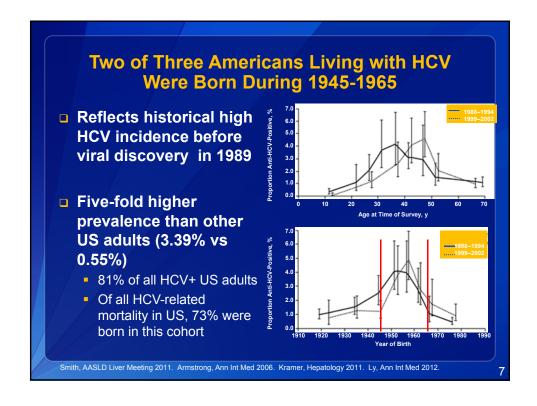


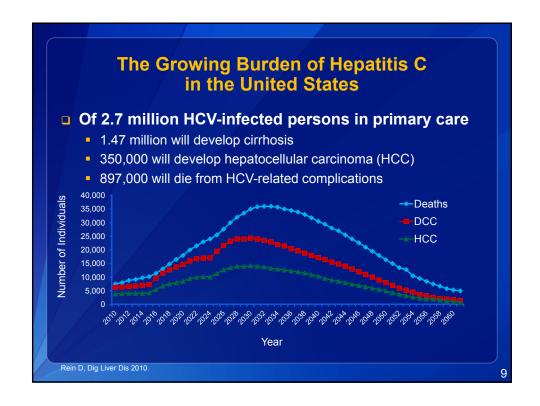
Assessment and Policy Development for the Viral Hepatitis C Testing Recommendations for Persons Born 1945-1965

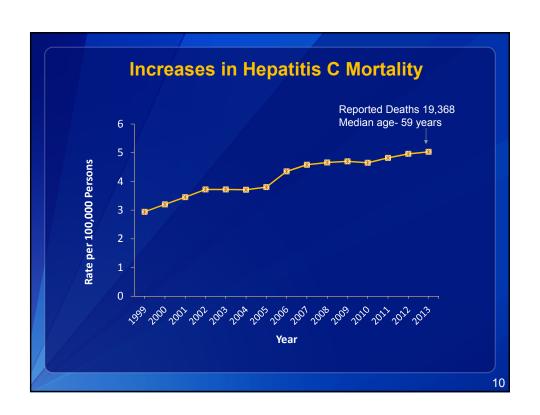


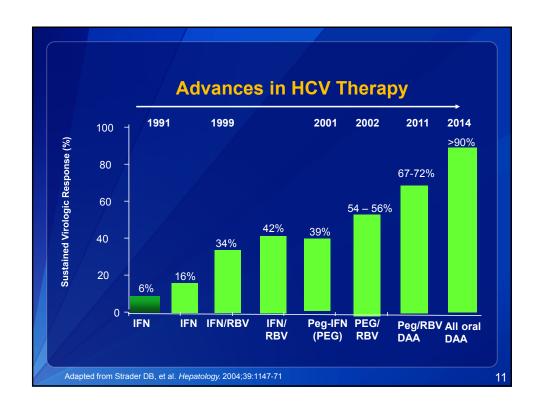
Prevalence	2.7 million
Civilian, Non-Institutionalized	(2.2-3.2 million)
Populations (NHANES)	1.0% (0.8%-1.2%)
Estimated HCV Infection	
Among Homeless and Incarcerated Persons	360,000-840,000
(Not Included in NHANES)	22%-52%

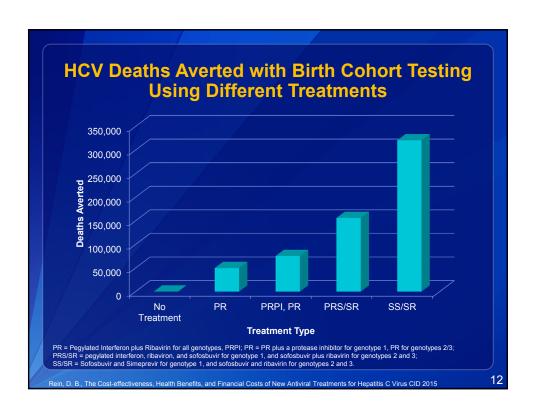


HCV K	NA: NHA	NES 2003-20 ⁻	10 <u> </u>	
Age 20-59		Age ≥ 60		
Characteristic	Odds Ratios	Characteristic	Odds Ratios	
Age Categories 20-39 referent)		Age Categories (≥ 70 referent)		
Age 40-49	6.0 (3.2-11.1)	Age 60-69	2.0(1.1-3.8)	
Age 50-59	9.5 (5.3-16.8)			
Race-Ethnicity (all others referent)		Race-Ethnicity (all others referent)		
Non-Hispanic Black	1.6 (1.1-2.3)	Non-Hispanic Black	10.0 (4.9-20.1)	
High School Education (high school or more referent)				
ess than High School/GED	2.0 (1.2-3.3)			
Family Income (>2.0 times poverty level referent)				
<2.0 times poverty level	3.7 (2.6-5.3)			





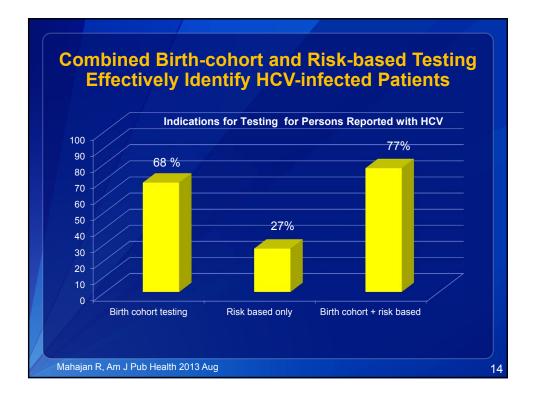


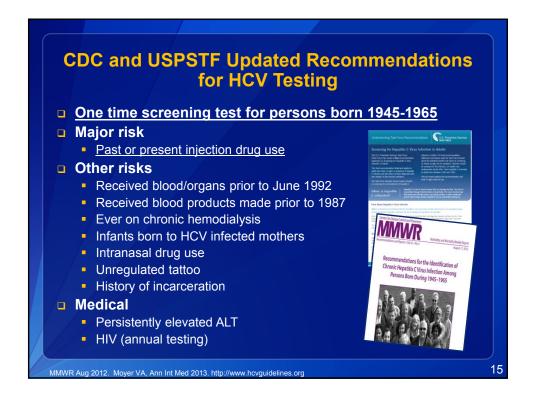


Risk-based Recommendations for HCV Screening

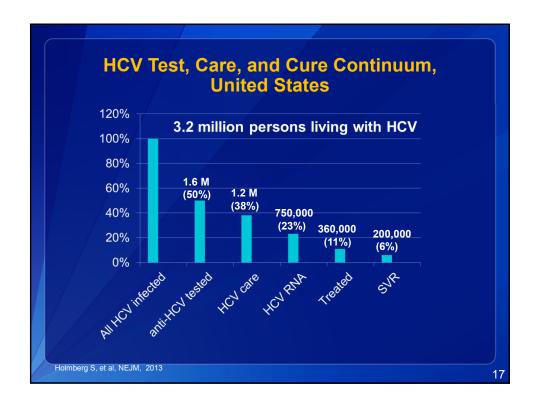
- Since 1998, CDC recommendations included riskbased screening
 - Injection drug use
 - Blood transfusion before 1992 and other blood exposures
 - HIV infected persons
- 45%-85% of infected persons remained unidentified
- Barriers to testing
 - Lack of clinician awareness of HCV testing guidelines
 - Clinician reluctance to ask about risks
 - Patient reluctance to disclose or failure to recall risks

MMWR 1998;47 (No. RR-19); Roblin, et al.. Am J Man Care 2011. Spradling, et al., Hepatology, 2012. Southern, et al., J Viral Hepat, Shehab TM, et al., Hepatology, 1000; Shehab TM, et al., Fam Mod 2009.





Assurance for the Viral Hepatitis C Testing Recommendations for Persons Born 1945-1965

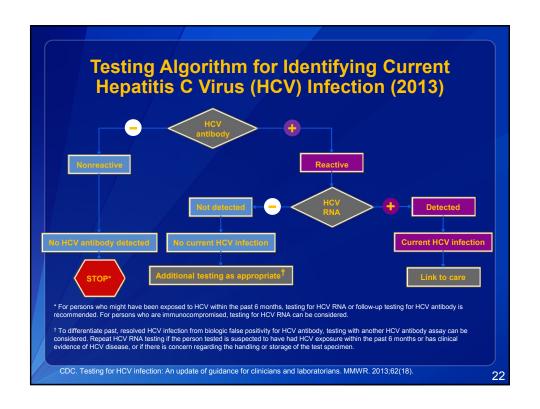


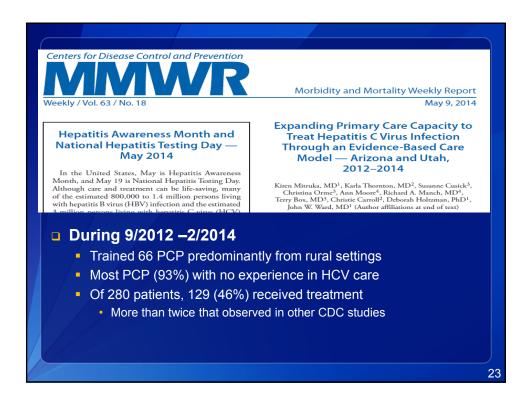
Treatment scenario	\$0/QALY Cost-saving	\$50,000/QALY	\$100,000/QALY
All patients	2000	22200	42400
F2 or higher	14900	128800	242800
F3 or higher	84200	713600	1,343000

01	DaviNE	Interferon Free Reg				
Outcome	PegINF- Riba	PegINF-Riba + Sofosbuvir	Sofosbuvir- Simeprevir	Sofosbuvir- ledipasvir ³ (Harvoni®)	Ombitasvir,Pa ritaprevir, Ritonavir, Dasabuvir ⁴ (Viekira Pak®)	
HCV deaths averted ²	49,916	156,106	320,646	N/A		
ICER, Cost per QALY gained ²	\$59,792	\$45,524	\$59,333	\$35,000	\$32,000	









Community-based Programs to Test and Cure Hepatitis C: 9/2014 –9/2018

- Goal: develop package of services to improve healthcare capacity to test and cure
 - Identify and educate target population
 - Incorporate HCV testing in primary care practices
 - Implement regular consultation of primary care provider with HCV specialists
 - Case management
 - Monitor outcome and community impact via data system
 - Leverage Affordable Care Act: free testing, insurance enrollment, and improve quality of care through use of EMR

CDC RFA- PS 14-1413

Health Care Reform Impact on Viral Hepatitis Prevention

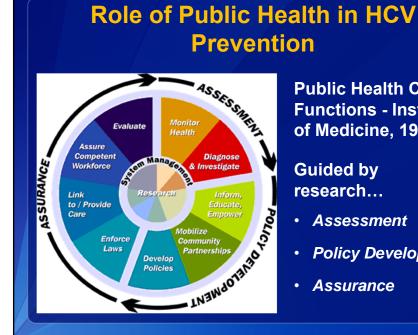
- Insurance coverage for those with preexisting, chronic disease
- Testing covered as a non-copay preventive service
- Incentive for adoption of health information technology to care for patients
- Emphasis on quality of provider care: use of performance measures
- Forcing a reinvention of public health surveillance, prevention research, and service delivery

25

American Medical Association Performance Measures Updated

- Screening
 - One-time screening: patients at risk (injection drug use ever, blood transfused prior to 1992, or born during 1945–1965)
 - Annual HCV screening: patients who are active injection Drug Users
- Care and treatment
 - Referral to treatment for patients identified with HCV Infection
 - Sustained Virologic Response (SVR)
 - Confirmation of Hepatitis C viremia
 - Hepatitis C RNA and genotype testing before initiating treatment
 - HCV RNA testing between 4-12 weeks after treatment start
 - Discontinuation of antiviral therapy if inadequate response
 - Screening for HCC in patients with Hepatitis C Cirrhosis
- Additional performance measures on prevention (vaccination, alcohol consumption counseling, HCC screening)

Yellow= newly developed performance measures



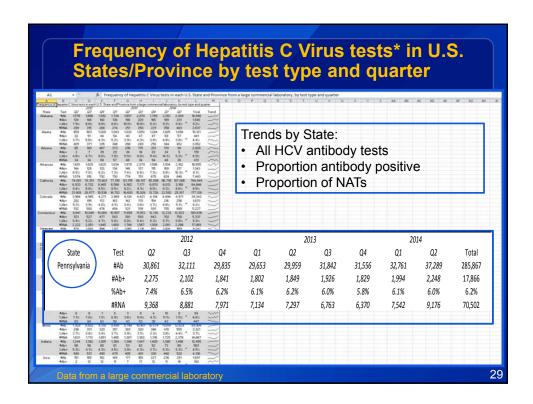
Public Health Core Functions - Institute of Medicine, 1988

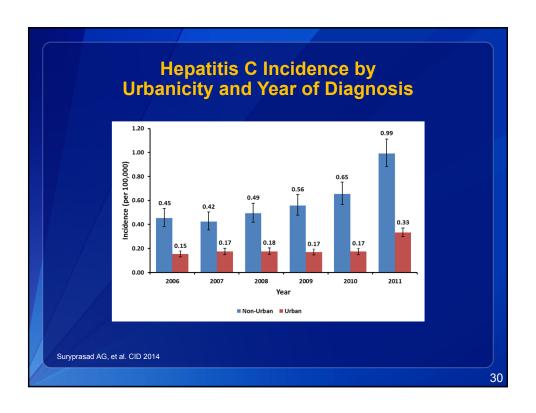
Guided by research...

- Assessment
- Policy Development
- **Assurance**

Epidemiologic Profiles Project

- Building state health department capacity
- Epi profiles document, interpret, and frame viral hepatitis burden in local terms to heighten awareness and drive decision making
 - States used novel data sources
 - States engaged critical stakeholders
 - States maximized dissemination opportunities
- Pilot project with three states Arkansas, Oregon, Wisconsin
 - www.dhs.wisconsin.gov/publications/P0/p00860.pdf
 - http://www.healthy.arkansas.gov/programsServices/infectiousDis ease/hivStdHepatitisC/Documents/HepC/HCVEpidemiologicProfi <u>le.pdf</u>





Incident HCV Infection: Summary of the Evidence

- IDU is the current driver of the HCV epidemic in the United States
- Seems to be a "constant" number of acute cases still occurring in urban predominantly heroin users
- New phenomenon of young, white nonurban IDU who start on oral prescription opioids and progress to injection.

31

Local Strategies to Enhance HCV Testing and Care

- Gather community data to guide service delivery and inform policy
- Improve reporting
- Update professional training/ public awareness
- Assist in the expansion of HCV testing
- Target providers and health systems with interventions to promote delivery of HCV testing and care
 - Promote development of clinical decision tools and performance measures
 - Use to monitor and report back to providers and health systems
- Convene stakeholders
 - Meetings with Medicaid, other payers,
 - Presentations to providers, public health officials, others
- · Participate in policy development
- Work in conjunction with the state Viral Hepatitis Prevention Coordinator





Using the National Viral Hepatitis Action Plan to Guide Pennsylvania's Response

Michelle Moses-Eisenstein, MPH

Office of HIV/AIDS and Infectious Disease Policy U.S. Department of Health and Human Services

May 1, 2015

www.aids.gov/hepatitis • #ViralHepAction

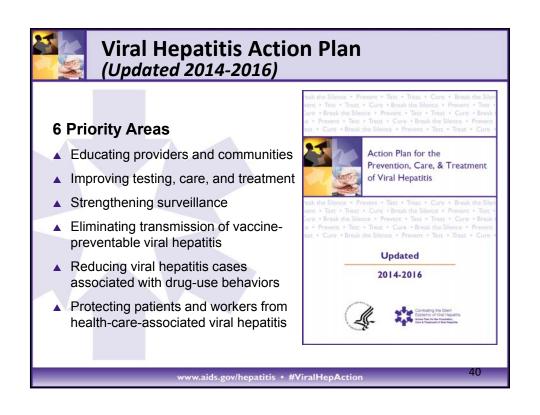




2013 Viral Hepatitis Surveillance, U.S.				
	Hepatitis A (HAV)	Hepatitis B (HBV)	Hepatitis C (HCV)	
Incident cases (annual estimated)	3,473 14% ★ in reported cases compared to 2012	19,764 5.4% ↑ in reported cases compared to 2012	29,718 151.5% ↑ in reported acute cases from 2010 to 2013	
Chronic infections (prevalent cases)		700,000 – 1.4 million	2.7-3.9 million	
Est. perinatal (annual estimated)		800 – 1,000	?	
Deaths (2013) (annual reported)	80	1,873	19,368	
*Between 45% to 65% of chronically infected persons are unaware of their infection status. http://www.cdc.gov/hepatitis/Statistics/2013Surveillance/index.htm				
	www.aids.gov/hepa	titis • #ViralHepAction	37	









2020 Goals of the Viral Hepatitis Action Plan

- ▲ Increase the proportion of persons who are aware of their HBV infection from 33% to 66%
- ▲ Increase the proportion of persons who are aware of their HCV infection from 45% to 66%
- ▲ Reduce the number of new HCV infections by 25%
- ▲ Eliminate mother-to-child HBV transmission

www.aids.gov/hepatitis • #ViralHepAction

4.





State and Local Collaboration

- ▲ National and State professional associations
- ▲ State and Local Departments of Health
- ▲ Advocacy Organizations
- ▲ School and Programs of Public Health
- Medical schools and other provider training organizations

www.aids.gov/hepatitis • #ViralHepAction

4:



Challenges and Opportunities

www.aids.gov/hepatitis • #ViralHepAction



The New Generation Exposed to HCV

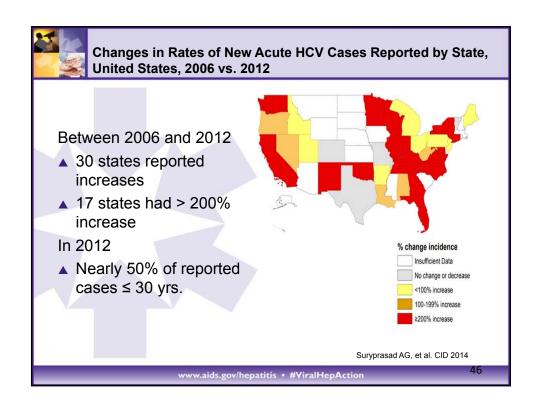
151% increase in reported acute HCV cases from 2010-2013

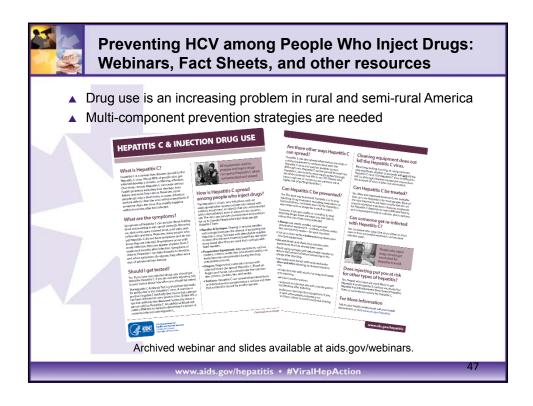
- Recent studies show

 - ▲ History of using oral prescription opioids
 - ▲ Highest rates among ages 18 to 29 years
 - Predominantly white
 - ▲ Equally female and male
 - Non-urban and suburban

PWID: People who inject drugs; CDC/hepatitis.gov; MMWR 2011; MMWR 2014; CDC unpublished data.

www.aids.gov/hepatitis • #ViralHepAction







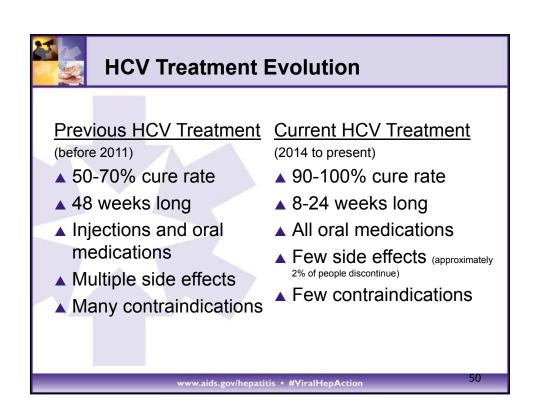
Viral Hepatitis and the ACA

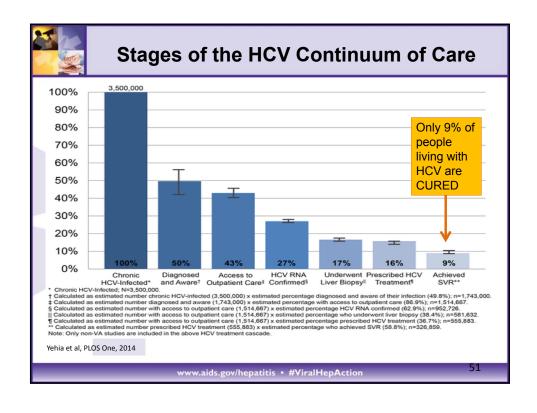
- ▲ The Affordable Care Act provides opportunities for prevention and screening
 - Hepatitis B screening for individuals at risk will be a covered preventive service in May 2015
 - A Hepatitis C screening is a covered preventive service (includes Medicare)
 - ▲ Hepatitis A and B vaccines are covered preventive services
 - Protections from exclusion due to preexisting conditions such as viral hepatitis

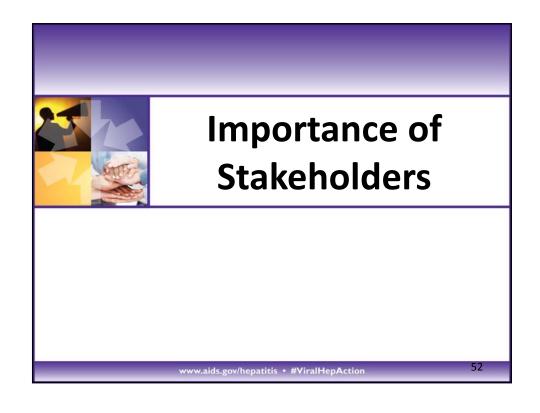


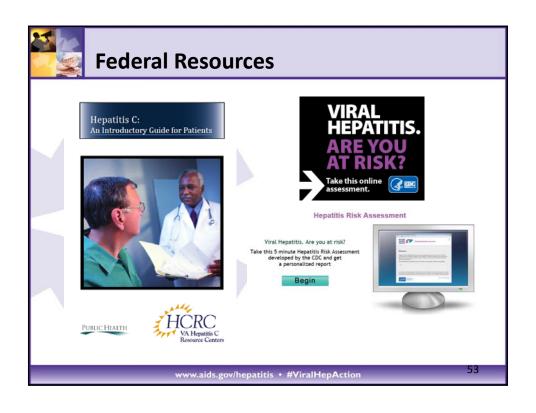
ww.aids.gov/hepatitis • #ViralHepAction

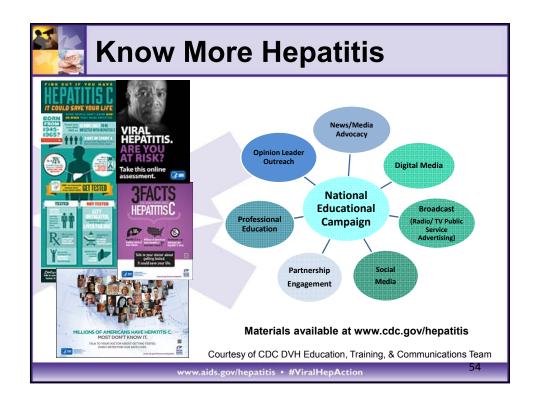




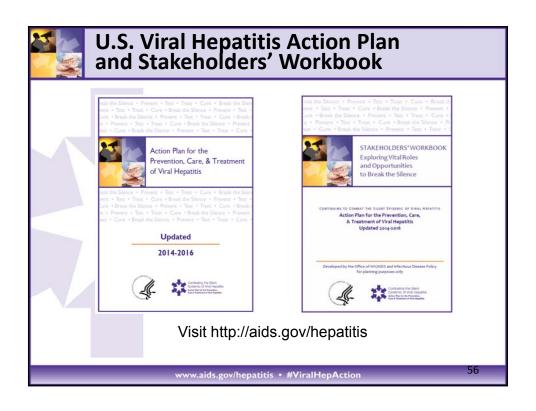


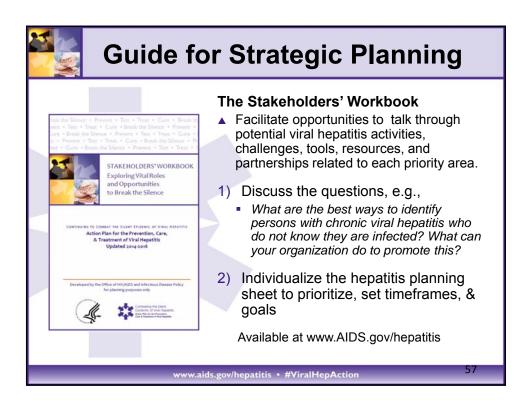




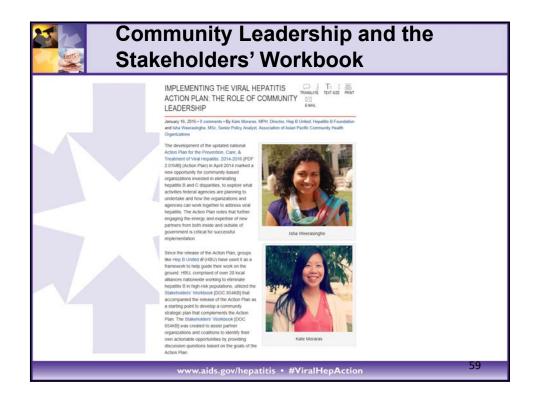














We Have the Tools!

- Centers for Disease Control and Prevention
 - Educational materials, training resources, and guidelines
 - www.cdc.gov/hepatitis
- ▲ U.S. Department of Health and Human ▲ American Association for the Study of Services
 - Viral Hepatitis Action Plan, Stakeholders' Workbook, updates & reports, and blogs
 - www.AIDS.gov/hepatitis

- ▲ U.S. Department of Veterans Affairs
 - Patient and Provider education and tools
 - http://www.hepatitis.va.gov/
- Liver Disease
 - Primary healthcare provider training on viral hepatitis
 - http://www.aasld.org/act-first-free-onlinecme-course-primary-care-providers

www.aids.gov/hepatitis • #ViralHepAction



CALL TO ACTION



Thank You!

Contact:

Michelle Moses-Eisenstein, MPH michelle.moses-eisenstein@hhs.gov

www.aids.gov/hepatitis • #ViralHepAction