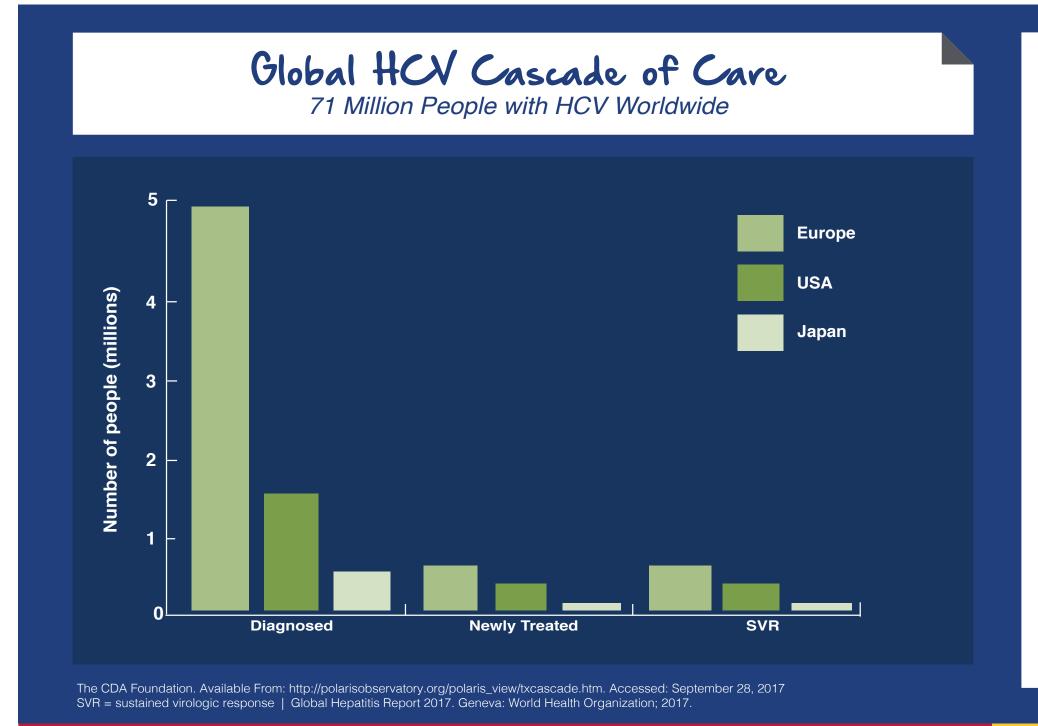
Nika Sajed, Kacy Hutchison, Lorenzo Rossaro, Diana M. Brainard, Patrick McGovern, Daniel O'Farrell, Korab Zuka, Mark Snyder, Betty Chiang,

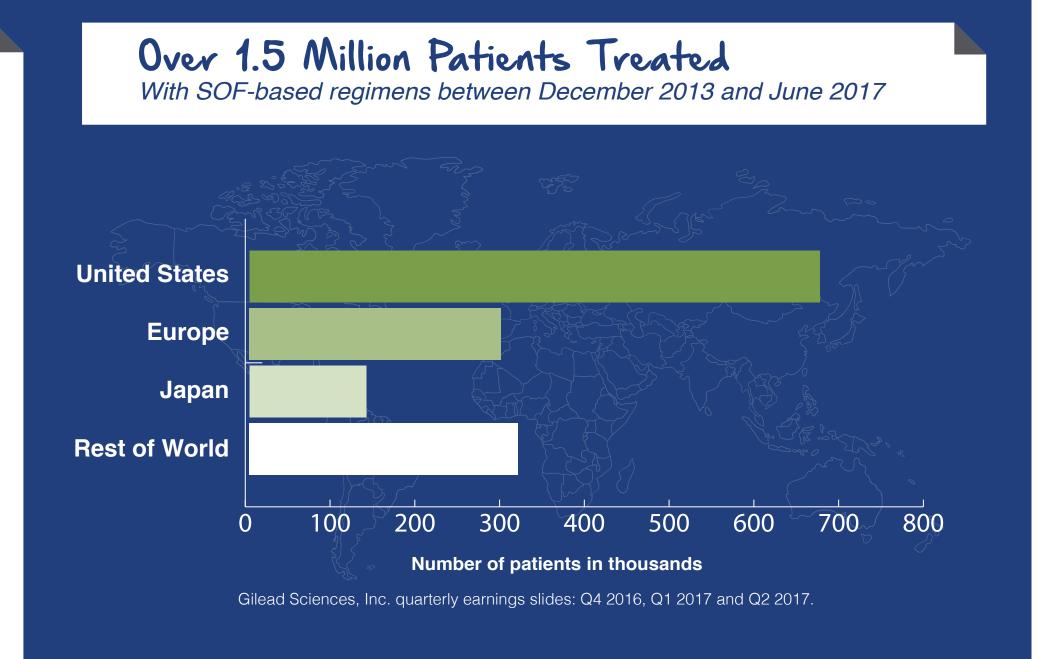
Gilead Sciences, Inc. 333 Lakeside Drive

Gilead actively supports the efforts of governments and partners with professional organizations, patient advocacy groups, payers and healthcare professionals who have declared their intention and commitment to work toward the WHO goal of elimination of viral hepatitis around the world by 2030. Foster City, CA 94404 Tel: (650) 574-3000 Fax: (650) 578-9264

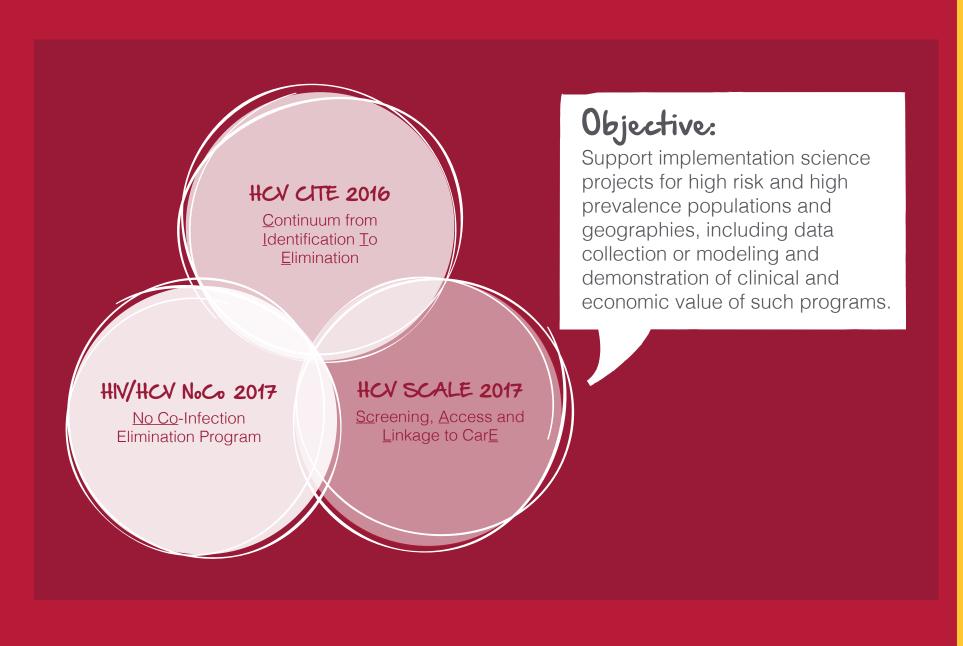


Nelson Cheinquer, Bruce Kreter

Addressing the Global HCV Epidemic Highly-effective, well-tolerated single-tablet regimens (STRs) have helped reduce the total burden of HCV and allow for large-scale initiatives for screening, treatment, and elimination **Gilead STRs** HARVONI® ••••••• Ledipasvir (NS5A) **ESTIMATED TOTAL CURE RATE** Velpatasvir (NS5A) When Sofosbuvir-based Single Tablet Regimens Harvoni or Epclusa are First-Line, followed by Vosevi Sofosbuvir (NS5B)



Medical Affairs Investigator-Sponsored Research Programs



Government Affairs and Policy

Ovid® search of BIOSIS Previews, Current Contents/Life Sciences, Embase, Ovid MEDLINE® In-Process & Other Non-Indexed Citations & Ovid

FOCUS (Frontlines of Communities in the United States)

Velpatasvir (NS5A) Voxilaprevir (PI)

MEDLINE® resources on September 29, 2017.

In 2010, the FOCUS program, was created to develop and share best practices in screening, diagnosis, and linkage to care in accordance with the US CDC's recommended screening guidelines. First launched to address HIV, FOCUS expanded its scope in 2014 to integrate HCV screening & linkage to care and in 2016 incorporated HBV as well. FOCUS is helping to meet the challenge of identifying and linking the nearly 2M undiagnosed patients living with HCV in the U.S., which requires screening at an unprecedented scale across health care systems and the creation of novel LTC networks to address the high volume of patients.

FOCUS' guiding model - TEST: Four Pillars of Routine Screening





Record (EMR)

Modification





Mongolia Training, Feedback, Partnership with MoH for a & Continuous **Quality Improvement** micro-elimination program in the Arkhangai Province

Registration & Partnerships

Efforts Towards HCV Elimination

Access Operations and

Emerging Markets

Registration of Gilead HCV medicines for inclusion on the WHO Essential Medicines List: Sovaldi, Harvoni and Epclusa are all currently approved

Support government efforts to build sustainable systems for HCV screening and treatment



Multiple strategies to expand

access to HCV medicines

in LMICs

Flat pricing with minimal profit that

is re-invested in support activities

ELIMINATION



MoU Collaboration with Tata Trust Foundation on the public health challenge posed by viral hepatitis



Health System Strengthening

Donation of Sovaldi and Harvoni for the Georgia's HCV Elimination Program with over 43,000 patients to date started on HCV treatment

LMIC = low and middle income countries | MoH = Ministry of Health | MoU = memorandum of understanding

27 HCV Elimination Studies Approved

Corrections

Linkage vs In Prison Treatment

• Testing and Linkage to Care for

Probationers and Parolees

Decreasing Recidivism

Through Treatment

Cascade of Care in

Prison Population

Regional

Netherlands

in Philadelphia

HCV Elimination in the

• HCV Identification and Linkage

City Wide HCV Screening and

to Care in British Columbia

Linkage to Care in Seattle

Models for HCV Elimination

HIV Co-infection

Curing HCV in HCV/HIV

HCV/HIV Co-Infection

Counseling in Special

Behavioral Patterns and

Navigate, Educate

Populations

Modeling Interventions in

Co-infection and T2 Diabetes

Eliminating HCV in HIV+ MSMs

Universal Access to DAAs and

Incident HCV Infection in HIV+

Expand Treatment and Detect,

Eliminating HCV in Canada's

Co-Infected Population

Health System

- Community Pharmacy Led Treatment in an OST Population Promoting Inter-Hospital Referral System to
- Hepatologists Universal HCV Screening and Linkage with Therapy
- Direct to Patient Messaging for HCV Screening and Care Patient and Health System Outcomes Following Structured
- Interventions Comparing Two Novel Interdisciplinary Care Models Cascade of Care in a Provider Network vs Private Practice
- vs University

Special Populations

- HCV in Hemophilia and Bleeding Disorders
- HCV Elimination in Migrants and Low-Income Refugees

- Preventing HCV Post-Liver Transplant with DAAs • HCV Elimination in the Urban Native American population
- OST and HCV Elimination

*As of September 2017

Substance Use Tx

Corrections

Into Normal Clinical Flow

**Other includes health departments, substance use, training, and corrections

Systemic Policy Change

Abstracts Accepted At Major Conferences

Journal Articles

16.3%

13.2%

HepVu.org is an interactive

estimates of people living with

between Gilead Sciences and

HCV Ab prevalence estimates

Prevention (CAMP), supported

oast or current Hepatitis C

website that visualizes standardized state-level

nfection in the U.S.

HepVu is a partnership

School of Public Health

generated by Emory

Applied Modeling for

by CDC

University's Coalition for

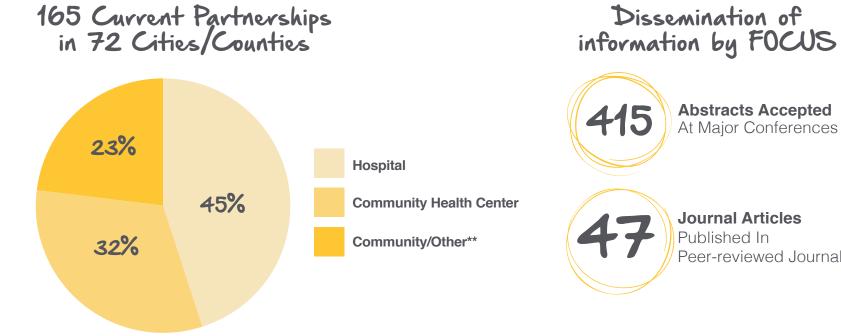
Emory University's Rollins

Data through Q2 2017

Peer-reviewed Journals

Published In

Overview of FOCUS in the US



31 partners

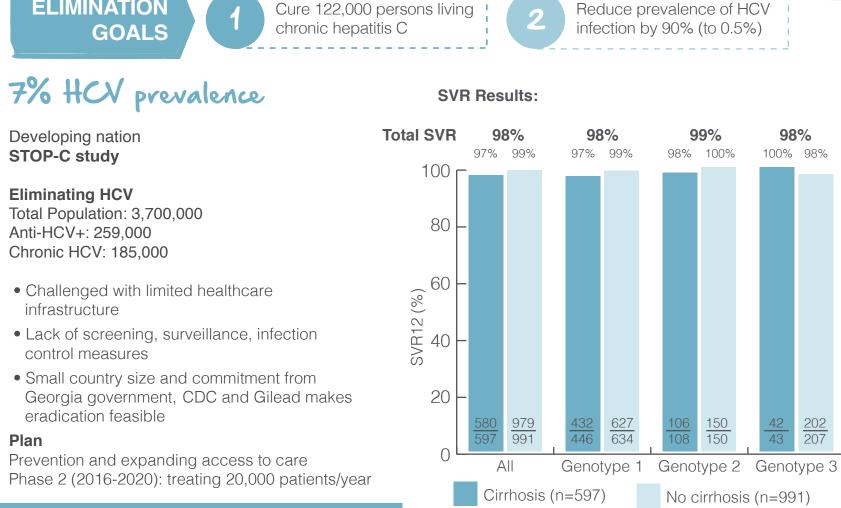
10 partners

Sample Settings	Partners	HCV Ab tests	HCV Ab+	_
Emergency Departments	55 partners	280,000	8.3%	
Community Health Centers	74 partners	485,000	3.6%	

40,000

9,000

Georgia Elimination Program



Since May 2015: >37,000 patients completed treatment: 98% cured with LDV/SOF

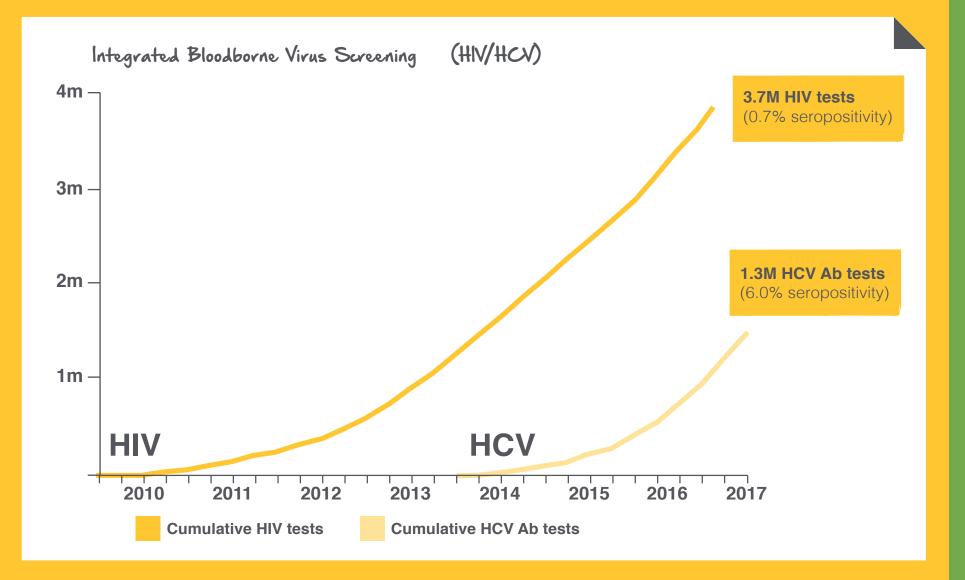
SOF/VEL provided since 2017; outcome data pending

References: Progress Towards Hepatitis C Elimination in the Country of Georgia, EASL 2017; Walker J, et al. EASL 2017; Tsertsvadze T, PHC 2016 | PWID = people who inject drugs

Approved HCV Elimination Study Locations



Results of FOCUS in the US



HepVu 💢

MAPPING THE HEPATITIS EPIDEMIC

Corporate Giving

Public Affairs





Advancing

Education





Communities

Disparities

economic disadvantages

Addressing differences in healthcare that are closely linked with social or

Access Enabling access to care that achieves the best health outcomes

Improving

Working to improve disease awareness among patients and healthcare professionals

Backing initiatives to promote betterment of communities where we live and work

In 2016, Gilead provided almost \$460 million in cash donations to address unmet needs and lessen the impact of life-threatening diseases faced by communities around the world.

Corporate Contributions - Examples

World Hepatitis Alliance

Countdown to the elimination of vival hepatitis by 2030: 2017-2018 strategic plan and add-on activities

Provided funding to support the WHA's vision of a world free from viral hepatitis. Core organizational activities include: raising awareness of viral hepatitis, advocating for viral hepatitis and ending the social injustice of viral hepatitis. Additional activities include: development and implementation of national elimination plans in European and African regions, increasing the understanding and knowledge among governments of how to finance hepatitis C elimination programs and expanding the scope and impact of the NOhep campaign



Cherokee Nation Health Services HCV Elimination Project

Cherokee Nation Health Services HCV Elimination Project. The program has increased patient screenings from 500 a month in September 2015 to more than 2,500 a month in January 2016. The number of HCPs who can manage HCV patients



has increased from seven in 2014 to 27 by the end of 2015.

NVHR IOM Report

Institute on Medicine (IOM) Report

Sponsorship of Phase Two of the IOM process to develop a report with goals and strategies to eliminate hepatitis B and C in the United States.

Following the release of the first report, Eliminating the Public Health Problem of Hepatitis B and C in the <u>United States: Phase One Report</u>, which concluded that both hepatitis B and C could be eliminated as a public health problem in the United States, Gilead supported the development of a second report, A National Strategy for the Elimination of Hepatitis B and C: Phase Two Report. This second report recommended specific actions to bring about the end of these diseases and identified five areas—information, interventions, service delivery, financing, and research—to include in the national plan.

Clinical Research

Iceland 0.3% HCV prevalence

TRaP HepC study Eliminating HCV Total Population: 340,000

Chronic HCV: 880-1300 Iceland represents a unique setting to pilot a

burden of disease

nationwide HCV elimination program • "Closed system": little immigration in/out of country

National healthcare system tracks all new HCV;

allows long-term monitoring of clinical outcomes,

1. Gottfredsson M et al, AASLD 2017, Poster 1135

Treat all HCV patients according to Icelandic guidelines over 3 years

Australia 0.9% HCV prevalence

TAP (PWID) CEASE (HIV/HCV+) SIMPLIFY (PWID) REACT (PWID, HIV/HCV+) **EC Partnership (PWID in Community & Prisons) OPERA-C (National HCV Registry)**

Treatment in Prisons SToP-c Study Surveillance and Treatment of Prisoners

 Evaluate impact of SOF/VEL treatment on HCV incidence and prevalence

 Assess behavioral factors associated with exposure and infection

PWID = people who inject drugs | I | OST = opiate substitution therapy

1,501-2,000 2,001-2,500 2,501-3,340

The FOCUS program has partnered with health care organizations in cities/counties that are heavily impacted by HIV, HCV and HBV. FOCUS

support any activities beyond the first medical appointment and is agnostic to how partners handle subsequent patient care and treatment.

funding supports HIV, HCV, and HBV screening and linkage to the first medical appointment after diagnosis; FOCUS funding does not

Estimated Hepatitis C Antibody Prevalence Rate per 100,000 Persons, 2010

1,001-1,500