SLOVENIA COUNTRY

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VHPB BALKAN **MEETING** LESSONS LEARNT, BEST PRACTICES AND FUTURE CHALLENGES



DECLARATION OF CONFLICT OF INTEREST

- Lecturer: Abbvie, Bayer, Gilead, Merck, Sandoz
- Manuscript preparation: Abbvie, Gilead, Merck
- Travel/accommodational meeting expences: Abbvie, Gilead, Merck

No conflict of interest regarding this presentation

SLOVENIA 1992-2022

30 years

Introduction of testing for HCV



SLOVENIA 1997-2022

25 years

National strategy for the management of hepatitis C



SLOVENIA 2007-2022

15 years

National strategy

for the management of HCV infection

in PWID



SLOVENIA NATIONAL STRATEGY FOR THE MANAGEMENT OF HCV INFECTION

National Viral Hepatitis Expert Board

1997

National Strategy for the Management of HCV Infection





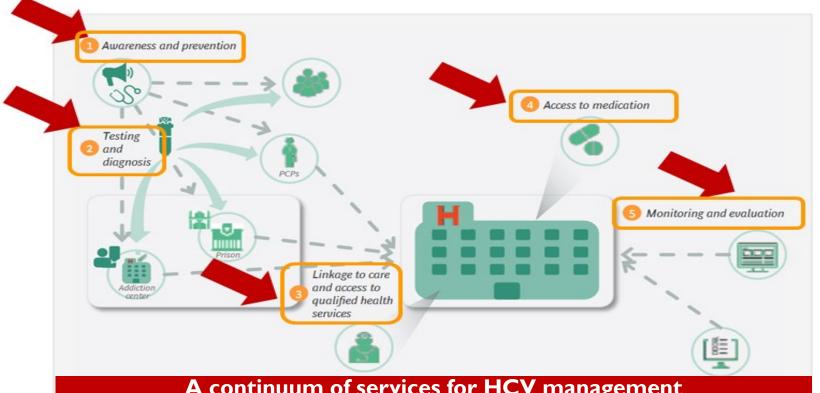
Matičič M et al. ISIS 1999; 8: 49-51.

SLOVENIANATIONAL STRATEGY FOR THE MANAGEMENT OF HCV INFECTION

National Viral Hepatitis Expert Board

1997

National Strategy for the Management of HCV Infection



A continuum of services for HCV management integrated into routine healthcare activities and finnanced by the national health insurance system



Matičič M et al. ISIS 1999; 8: 49-51.

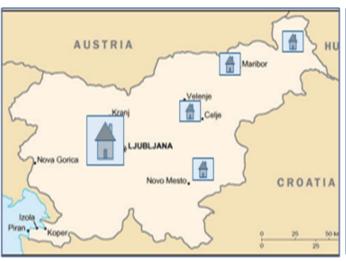
SLOVENIANATIONAL STRATEGY FOR THE MANAGEMENT OF HCV INFECTION

5 centers for HCV treatment

National Viral Hepatitis Expert Board

1997

National Strategy for the Management of HCV Infection



Treatment for everybody since 1997

- All SOC treatment available and accessible
- National Health Insurance System
- NO restrictions for treatment
- PWID: Never declined from treatment

National register of all the treated patients (since 1997)



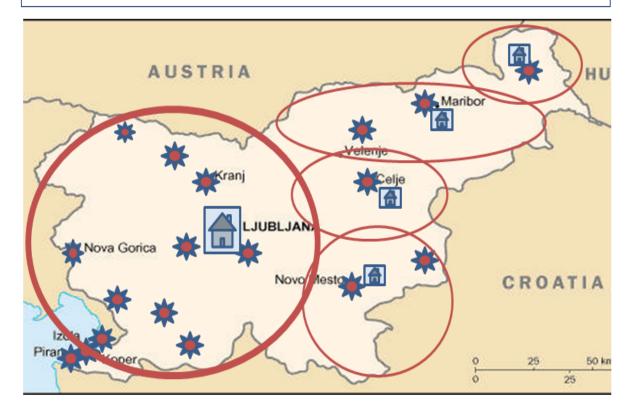
Matičič M et al. ISIS 1999; 8: 49-51.

SLOVENIANATIONAL STRATEGY FOR HCV MANAGEMENT IN PWID

National Healthcare Network for the Management National Viral of HCV Hepatitis Expert Infection in Board PWID 2007 1997 1999 National Clinical Clinical Strategy guidelines for guidelines for for the HCV treatment: HCV treatment Management an update in PWUD of HCV

Infection

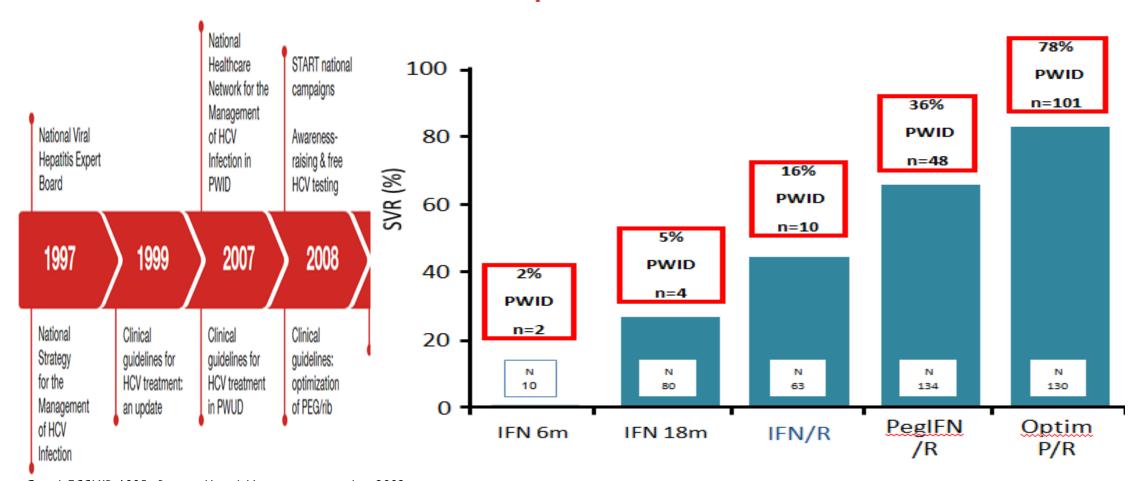
INTEGRATED: 18 Centers for treatment and prevention of of drug addiction
5 Centers for treatment of viral hepatitis







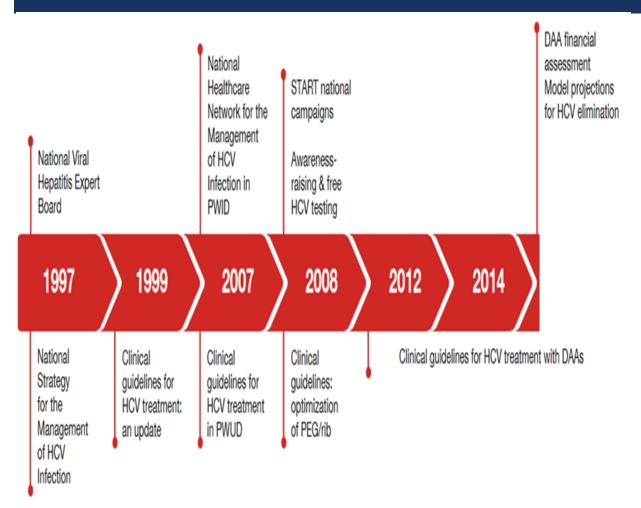
SLOVENIAHCV TREATMENT EFFICACY WITH IFN-BASED TREATMENT

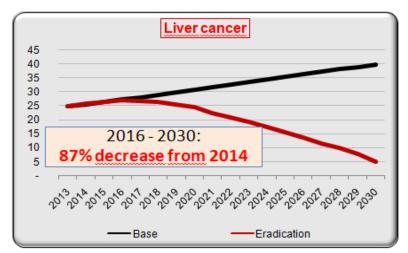


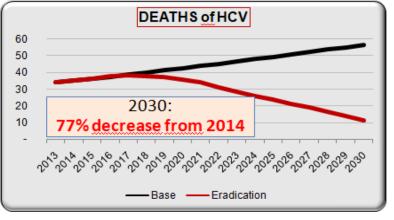


Lesnicar G et al. ECCMID 1995. Brinovec V et al. Hepatogastroenterology 2002.
Brinovec V et al. Hepatogastroenterology 2004. Maticic M, Selič-Kurinčič T, et al. Suchtmed 2013; 15: 245. Selic-Kurincic T, et al. Intervirology 2013.
WHO. Compendium of good practices in the health sector response to viral hepatitis in the WHO European Region, Copenhagen: WHO Regional Office for Europe; 2020.

SLOVENIAMODEL PROJECTIONS FOR HCV ELIMINATION WITH DAA



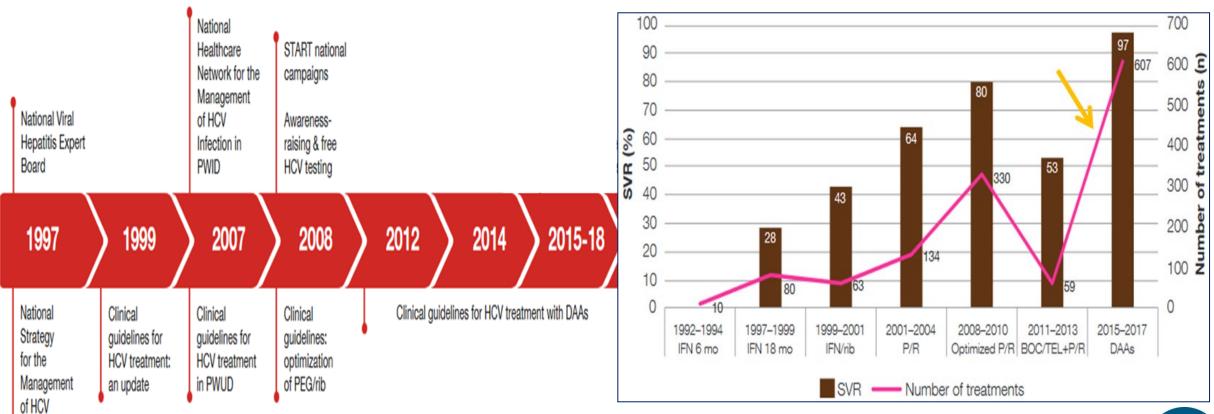






Alfaleh FZ, Nugrahini N, Maticic M, et al. | Viral Hep 2015; 22(Suppl 4): 42-65.

SLOVENIA HCVTREATMENT EFFICACY WITH DAA



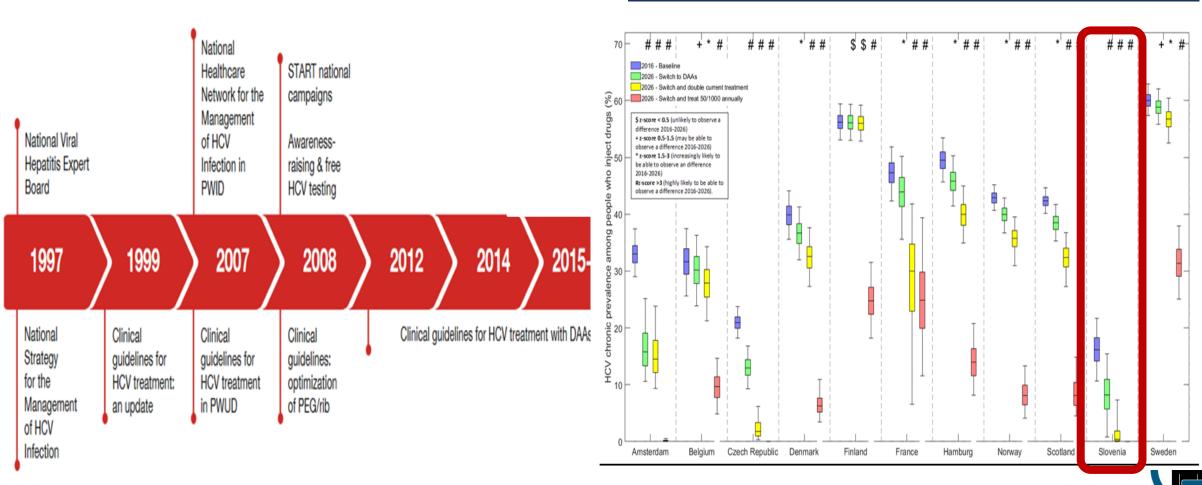


Lesnicar G et al. ECCMID 1995. Maticic M, Selič-Kurinčič T, et al. Suchtmed 2013; 15: 245. Brinovec V et al. Hepatogastroenterology 2002. Selic-Kurincic T, et al. Intervirology 2013. Brinovec V et al. Hepatogastroenterology 2004. Maticic M, et al. SEEC 2014. Maticic M,et al. 3rd CEE Viral Hep Co-infect HIV. Ljubljana 2017. Poster. Maticic M et al. EASL/ILC. Vienna April, 2019. Poster. WHO. Compendium of good practices in the health sector response to viral hepatitis in the WHO European Region, Copenhagen: WHO Regional Office for Europe; 2020.

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SLOVENIA

IMPACT OF DAATREATMENT ON HCVTRANSMISSION IN PWID – A MODEL PROJECTION



Frasier H et al. | Hpatol 2018; 68(3):402-11.



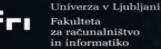
HEP-Y

Spletna aplikacija za prepoznavanje in informiranje o hepatitisih

Ali ste okuženi z virusom hepatitisa?







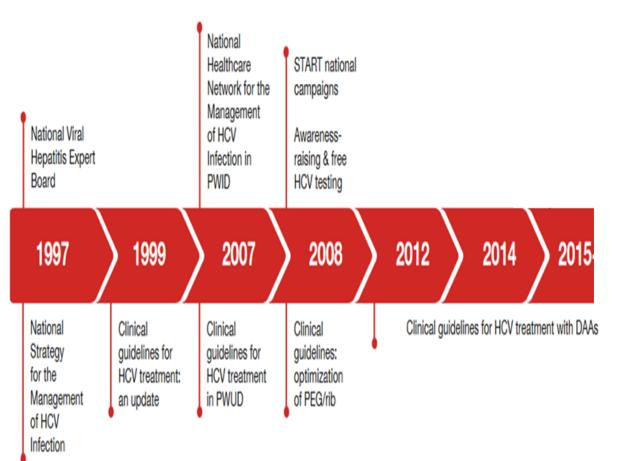


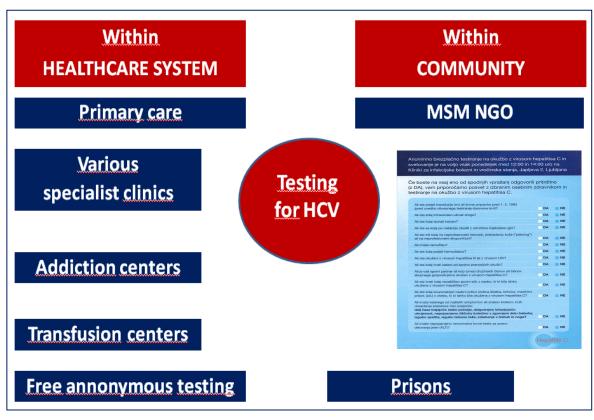






SLOVENIAEXPANDED HCV TESTING

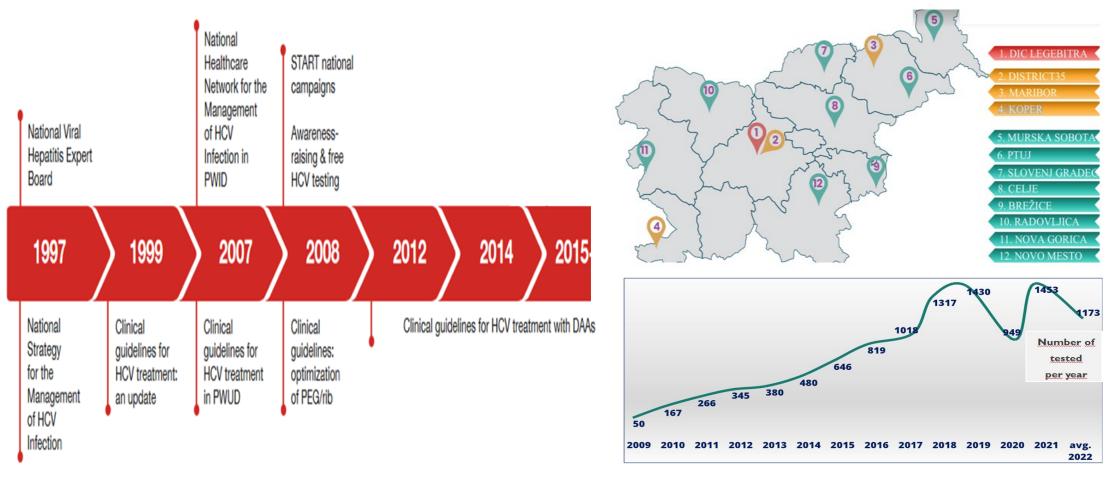






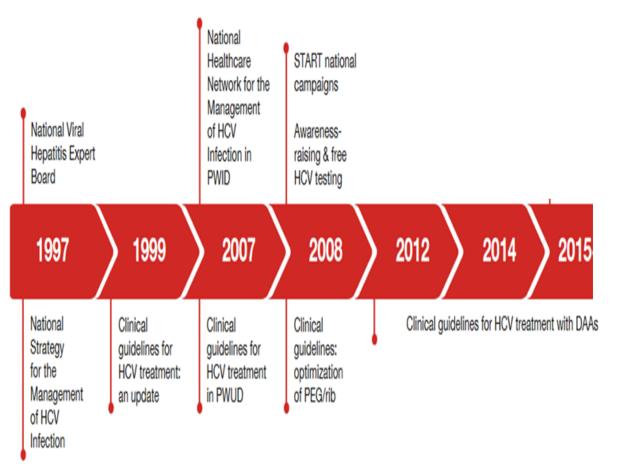
Blood Transfusion Centre of Slovenia. Annual Reports, 2018, 2019, 2020. Legebitra. Annual Report on STI testing in MSM, 2019. National Viral Hepatitis Expert Board. Annual Report. Ljubljana, September 2021. WHO. Compendium of good practices in the health sector response to viral hepatitis in the WHO European Region, Copenhagen: WHO Regional Office for Europe; 2020.

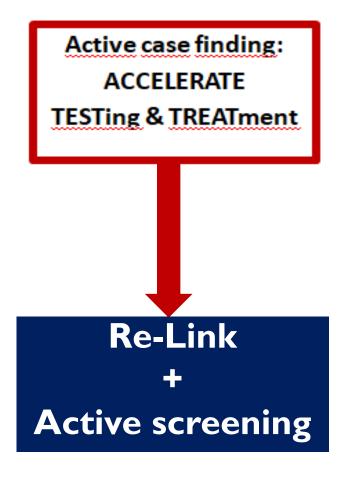
SLOVENIAHCV TESTING WITHIN COMUNITY - MSM





SLOVENIAACTIVE CASE FINDING OF HCV INFECTED







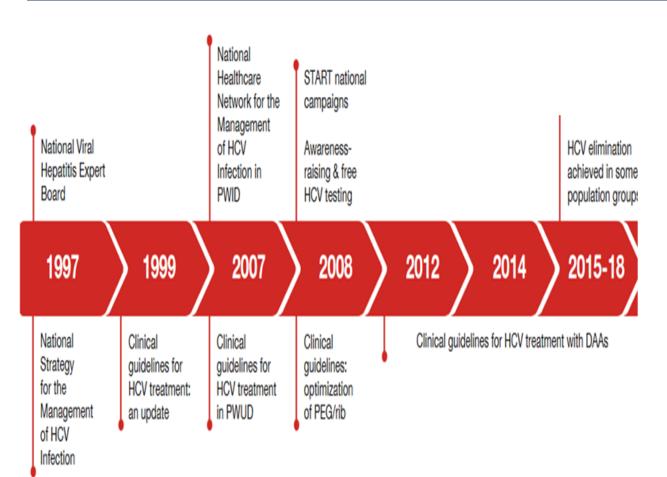
Maticic M et al. EASL ILC, Paris 2018. Poster #THU-126.

SLOVENIAACTIVE CASE FINDING OF HCV INFECTED



Maticic M et al. EASL ILC, Paris 2018. Poster #THU-126.

SLOVENIAACTIVE CASE FINDING OF HCV INFECTED



WITH regular medical supervision

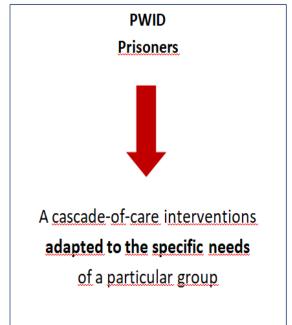
Haemodialysis
Organ transplant recipients
HIV/HCV co-infected

Active SEARCH
for all the individuals of a selected group (registers, database, medical records)

TEST all the individuals (if not tested/cured before)

IMMEDIATELLY TREAT all HCV RNA-positive

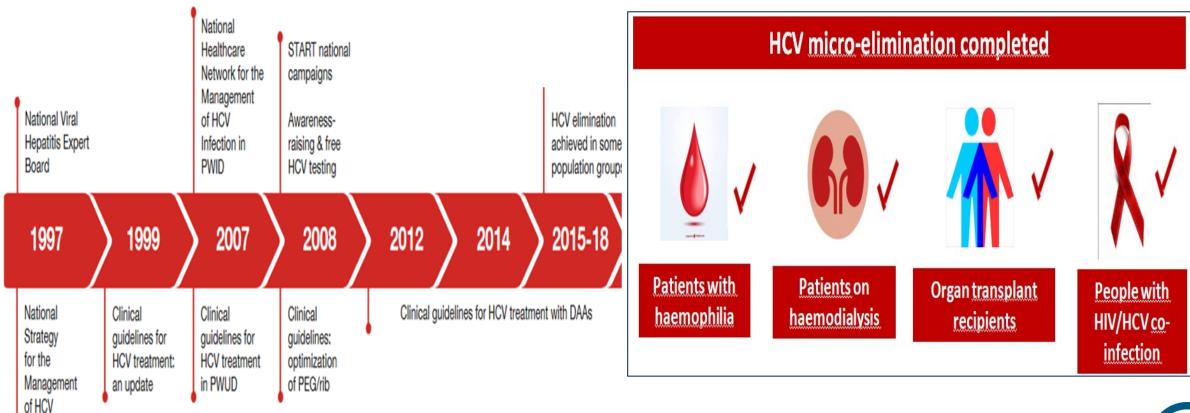
WITHOUT regular medical supervision





Maticic M et al. EASL ILC, Paris 2018. Poster #THU-126.

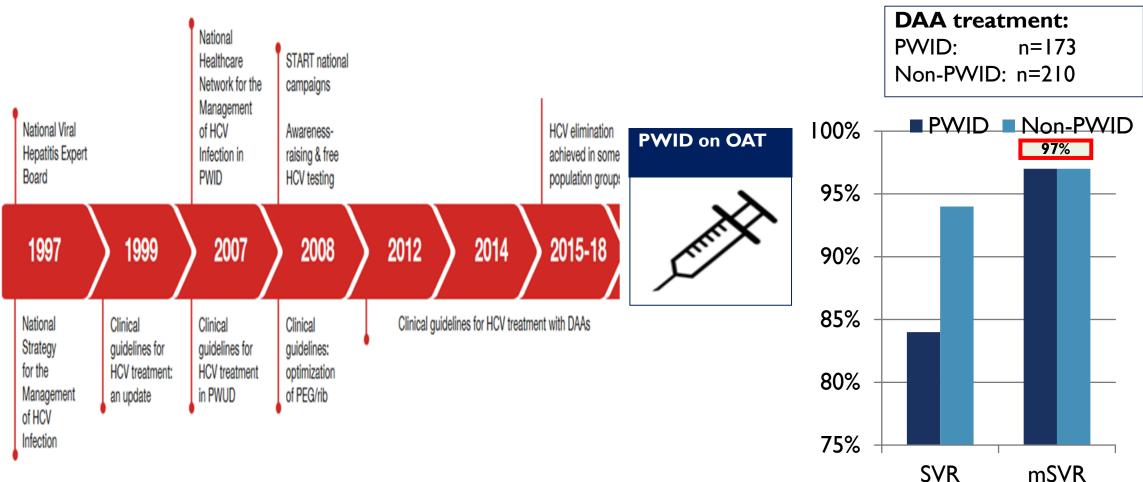
SLOVENIA HCV MICRO-ELIMINATION COMPLETED





Infection

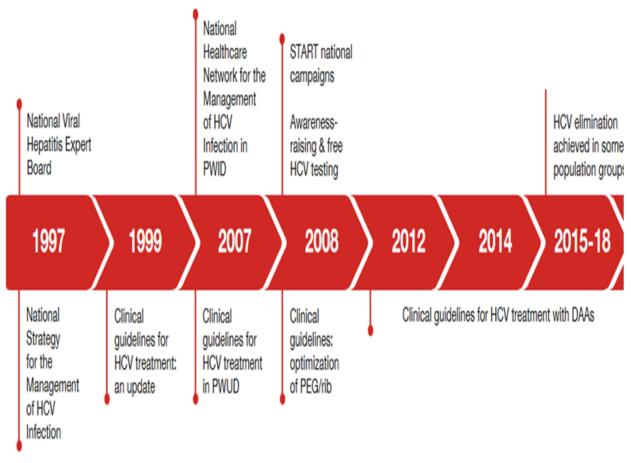
SLOVENIAHCV MICRO-ELIMINATION IN PWID?



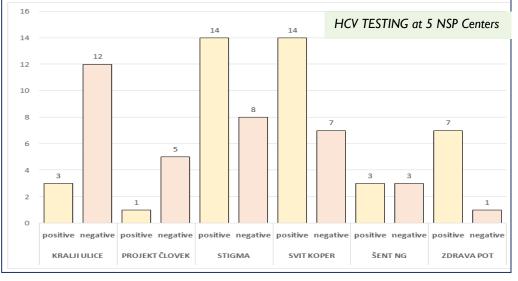
Maticic M, et al. ECCMID, Amsterdam 2019. Poster #Sun-133.

WHO. Compendium of good practices in the health sector response to viral hepatitis in the WHO European Region, Copenhagen: WHO Regional Office for Europe; 2020.

SLOVENIAHCV MICRO-ELIMINATION IN PWID?



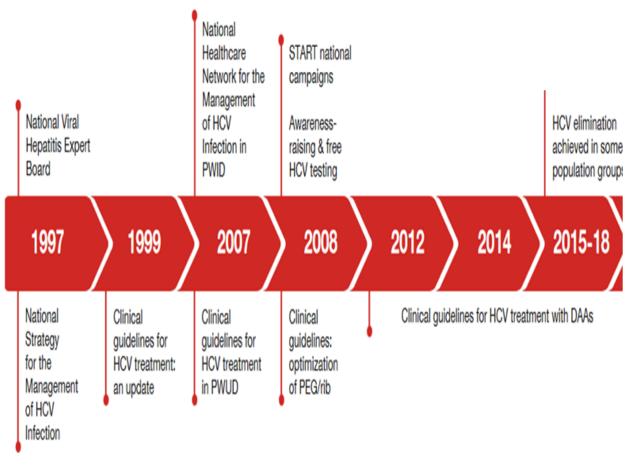


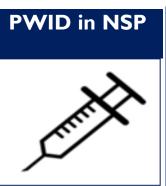




Cernosa J, et al. INHSU 2019. Poster #189.

SLOVENIA HCV MICRO-ELIMINATION IN PWID?









Low threshold program



All PWID:

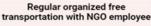
· Regular organized transport for all PWID in need of HCV screening or treatment

If HCV RNA positive:

- · Assistance in arranging abdominal ultrasound examination and addiction specialist's opinion
- . Help with obtaining DAA from pharmacy
- · Providing motivation and help during treatment with

Follow up:

· Encouragment of treated PWID to take part in follow





NGO nurse and physician are in

touch about patient's laboratory and

microbiological results, abdominal

ultrasound results, addiction

specialist's opinion and in case of any problems.

If anti-HCV positive: HCV RNA screening

- · Liver Stiffness measurement

Clinic for Infectious Diseases and Febrile Illnesses

If HCV status unknown:

· anti-HCV screening

· Counselling about safe injection

- · Referral to abdominal ultrasound
- · Addiction specialist's opinion, if on OST
- · Pan-genotypic treatment

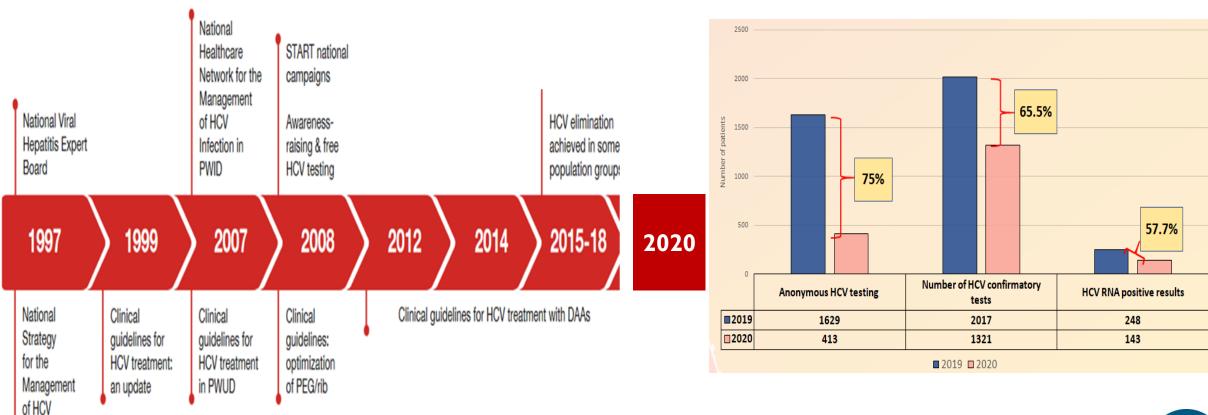


- . HCV RNA at the end of the treatment
- SVR assesment (FU12)
- · Reinfection monitoring every 6
- · Referral to abdominal ultrasound depending from stage of liver



Cernosa J, et al. INHSU 2019. Poster #189.

SLOVENIAINFLUENCE OF COVID-19 PANDEMIC ON HCV TESTING

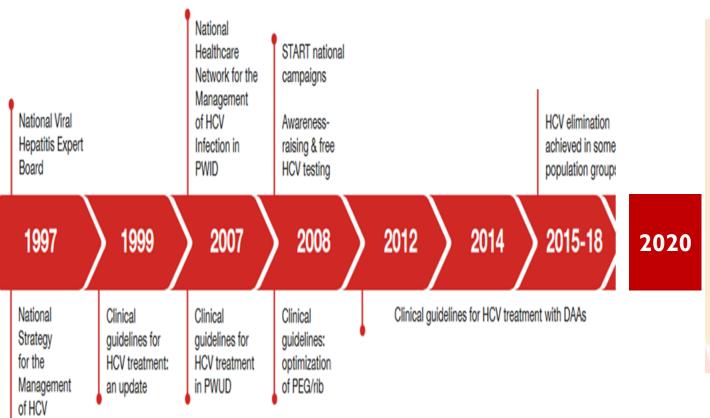


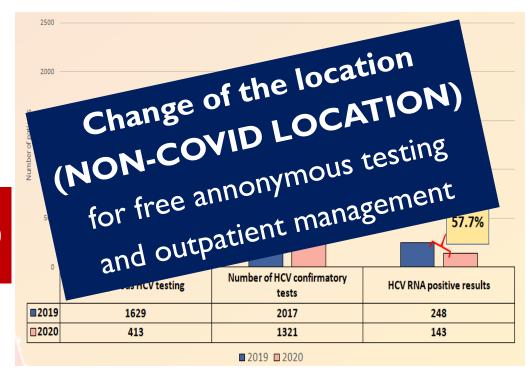


Černoša J, et al. INHSU, Sydney . Oct 2021; Oral presentation.

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SLOVENIA INFLUENCE OF COVID-19 PANDEMIC ON HCV TESTING



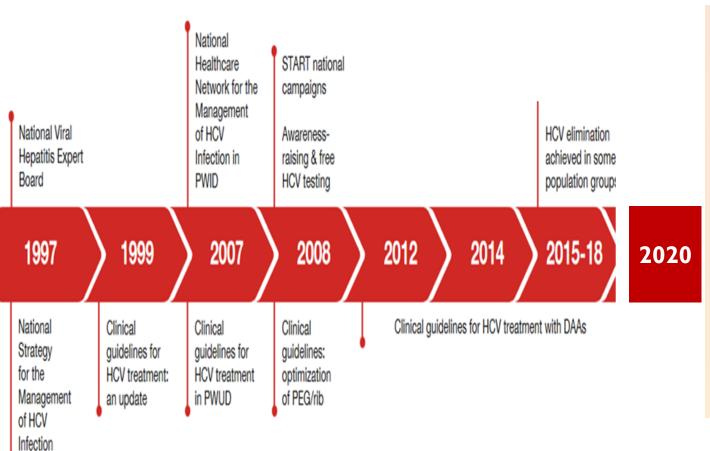


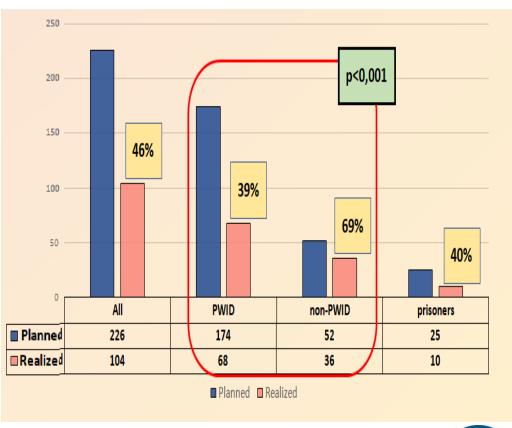


Černoša J, et al. INHSU, Sydney . Oct 2021; Oral presentation.

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SLOVENIAINFLUENCE OF COVID-19 PANDEMIC ON HCV TREATMENT

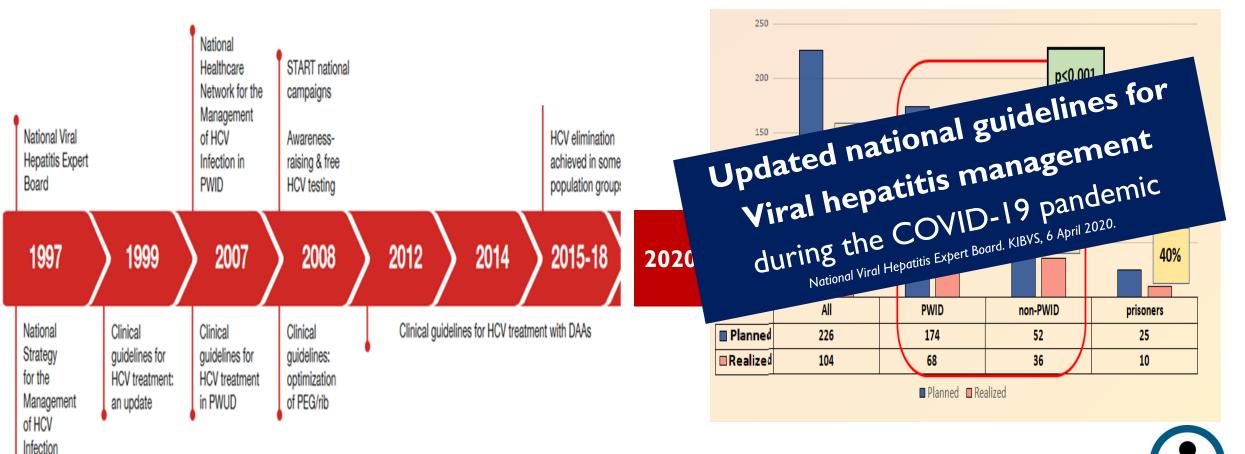






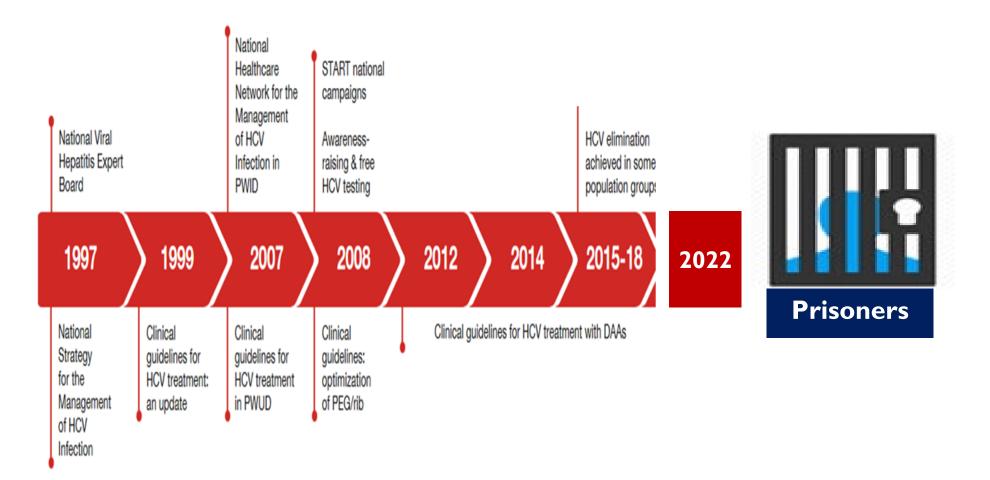
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SLOVENIA INFLUENCE OF COVID-19 PANDEMIC ON HCV TREATMENT



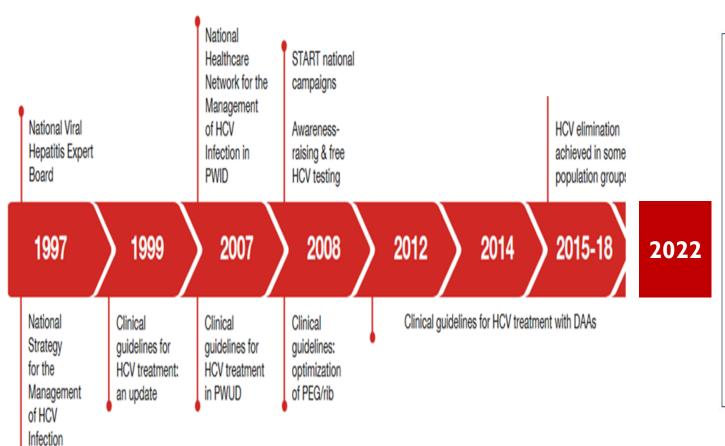


SLOVENIAHCV MICRO-ELIMINATION IN PRISONERS?





SLOVENIA HCV MICRO-ELIMINATION IN MARGINALISED POPULATIONS



MOBILE OUTREACH UNITS



Testing

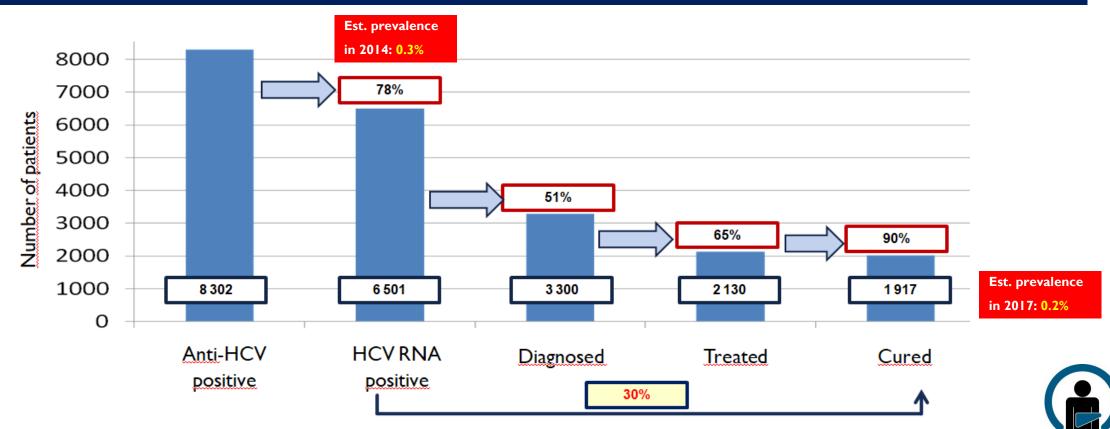
Transient elastography

Linkage-to-care



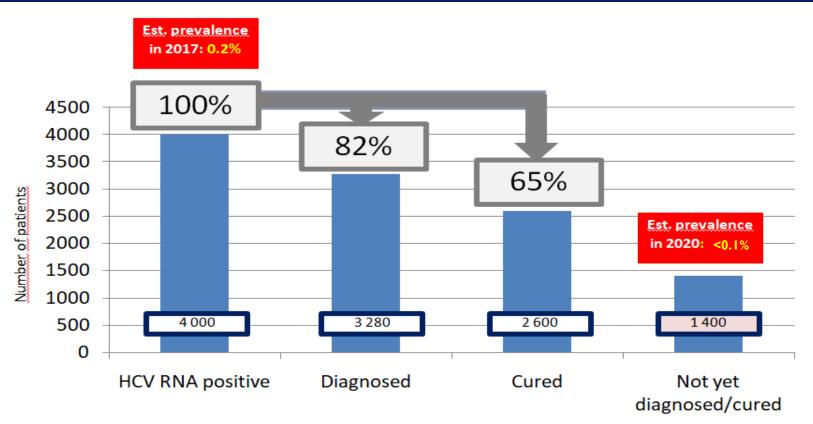
SLOVENIA HCV BURDEN - 2014

A Cascade-of-Care (1997-2014): est. HCV RNA prevalence 0.3%



SLOVENIACURRENT IMPACT: DAA - THE GAME CHANGER

A Cascade-of-Care (2017-2020): est. HCV RNA prevalence < 0.1%





SLOVENIACONCLUSIONS – LESSONS LEARNED

HIT EARLY & HIT HARD

IT'S NEVER TOO LATE TO START



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