

Artificial intelligence-assisted identification and retrieval of chronic hepatitis C patients lost to follow-up in the health area of Pontevedra and O Salnés, Spain

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Gilead Sciences' FOCUS Program funding supports screening & linkage to a first appointment after diagnosis regardless of how organizations handle subsequent patient care and treatment.

AMSTERDAM

FAST-TRACK CITIES 2023

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IAFAC
INTERNATIONAL ASSOCIATION
OF PROVIDERS OF AIDS CARE

FAST-TRACK CITIES
INSTITUTE

Welcome to Pontevedra and O Salnés



Our health service:



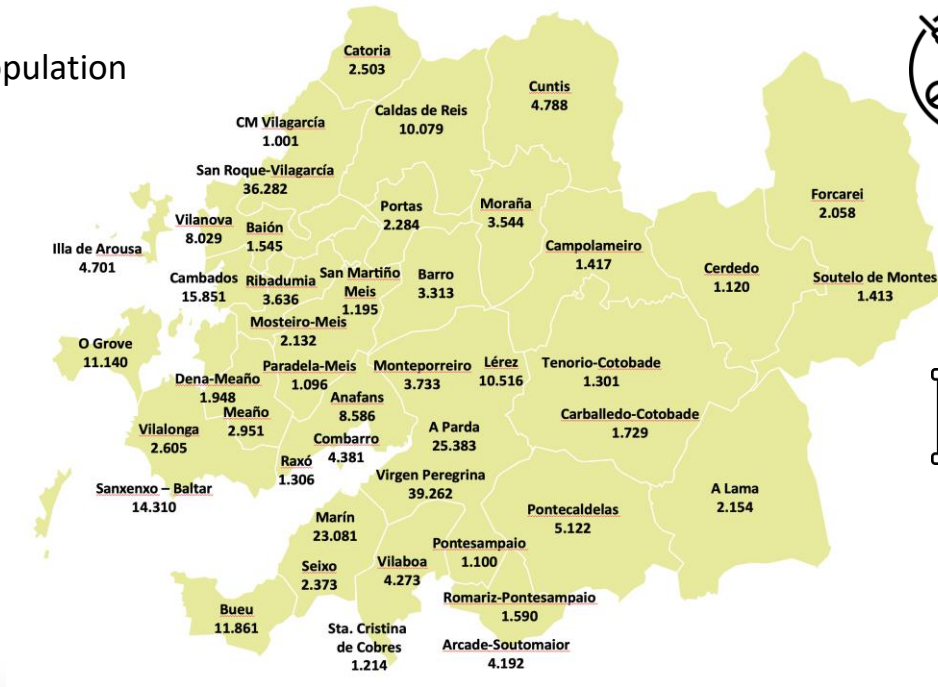
≈300.000 population



2 hospitals



40 health centers



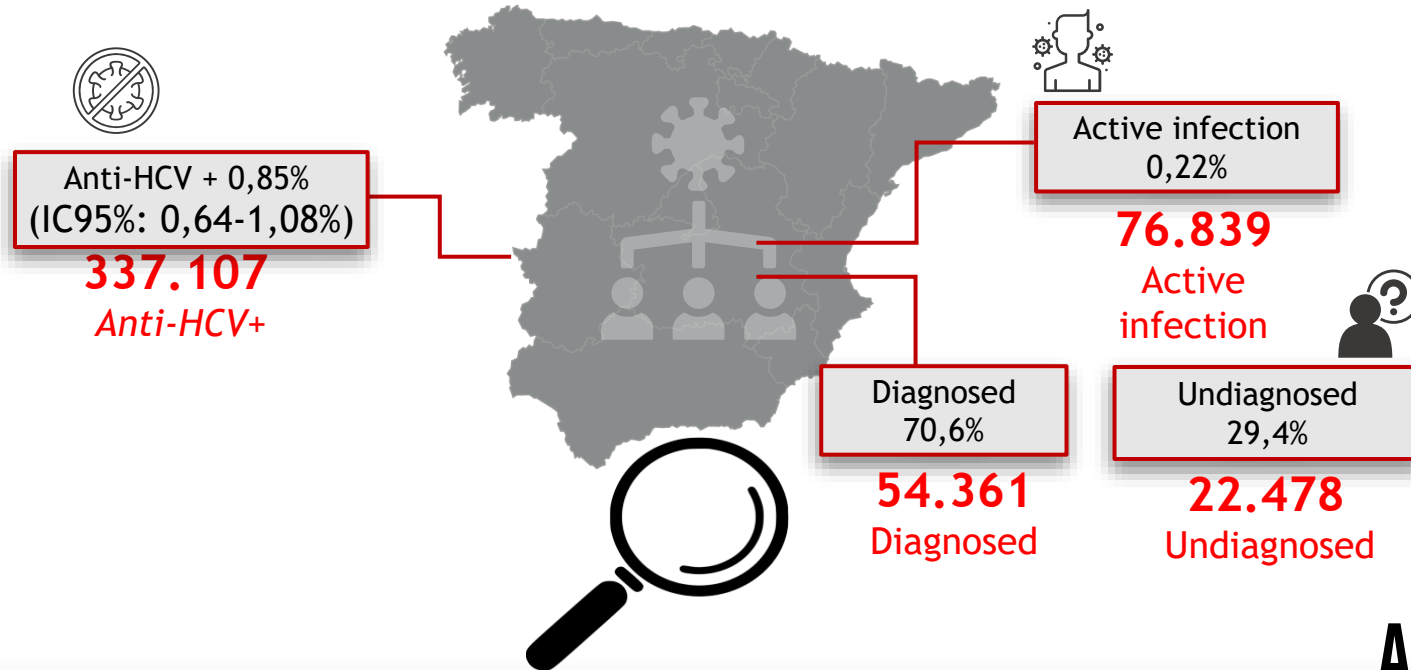
3 Drug Addiction Assistance Units



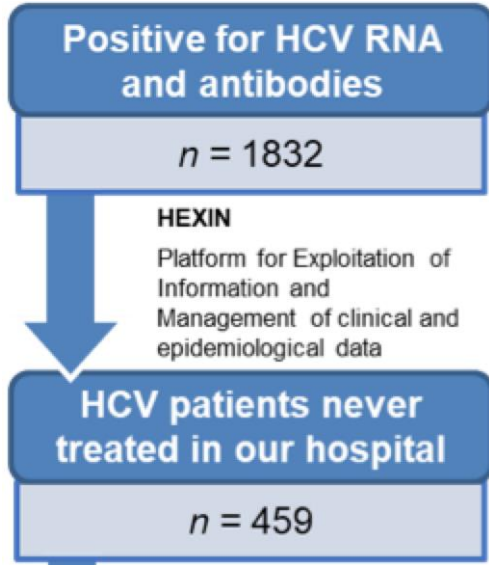
1 jail

Lost in SPAIN

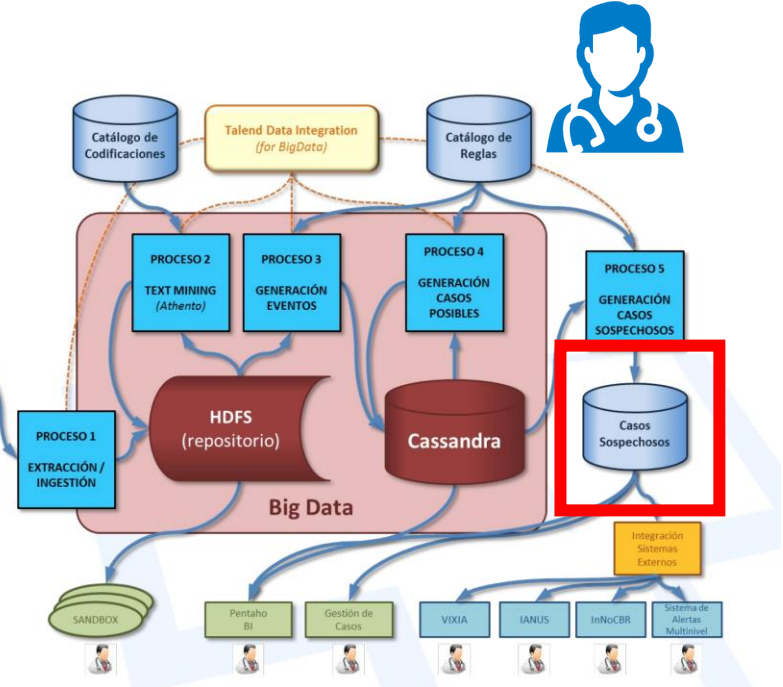
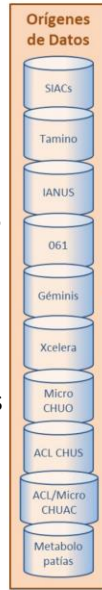
Results of the 2nd Seroprevalence Study in Spain (2017-2018).



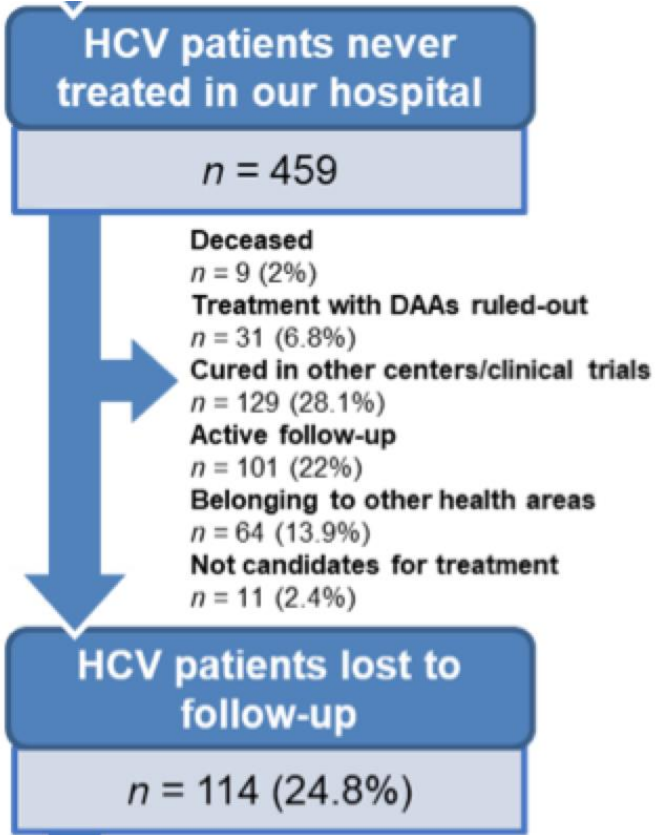
Lost in Pontevedra and O Salnés



- ≈ 300.000
- 2 hospitals
- 40 health centers
- 3 Drug Addiction Assistance Units
- 1 jail

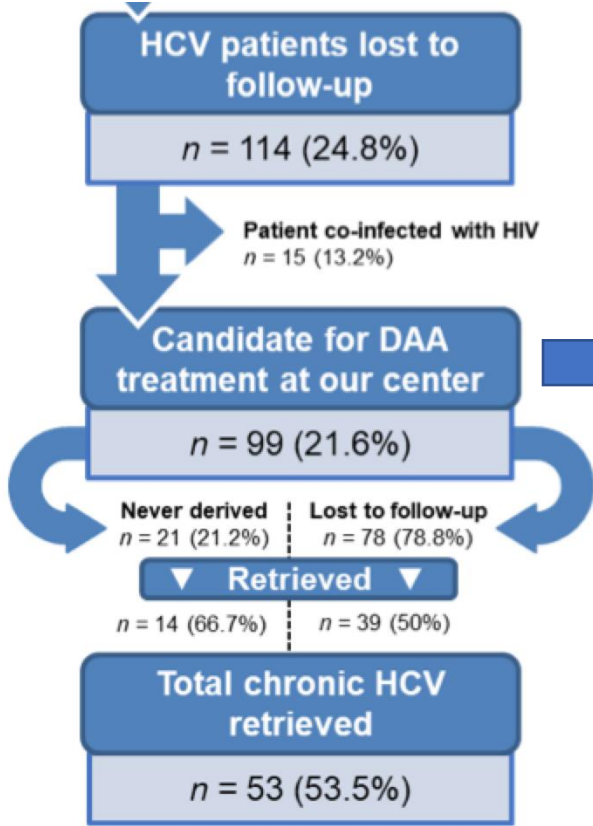


Lost in Pontevedra and O Salnés



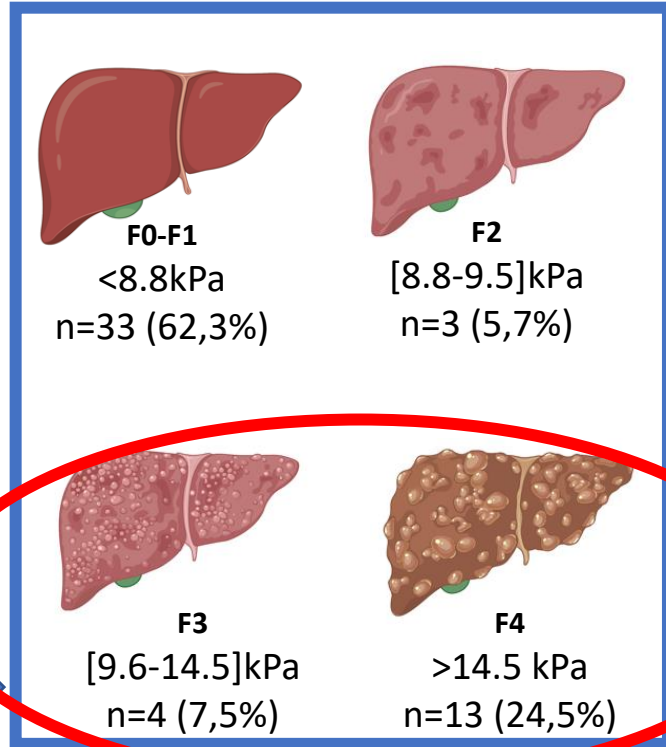
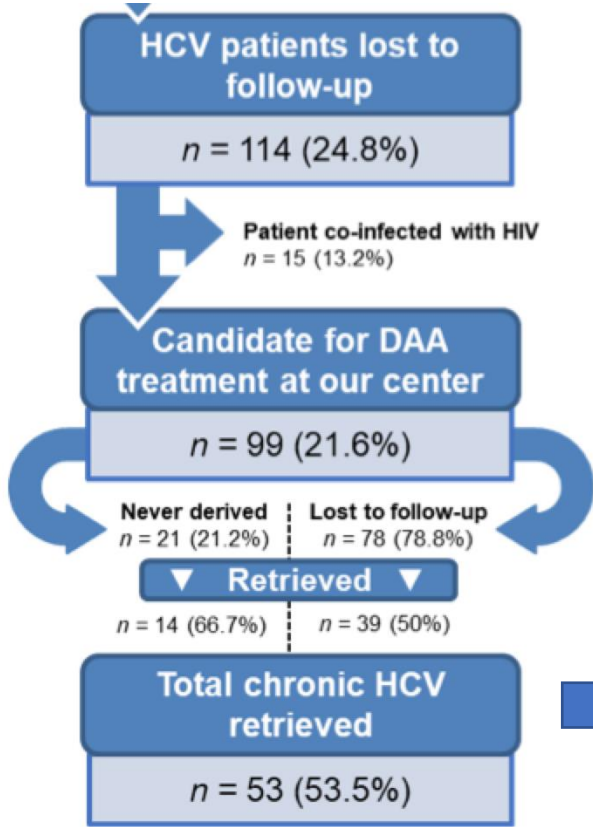
Lost in Pontevedra and O Salnés

Characteristics of patients with chronic HCV patients lost to medical care.

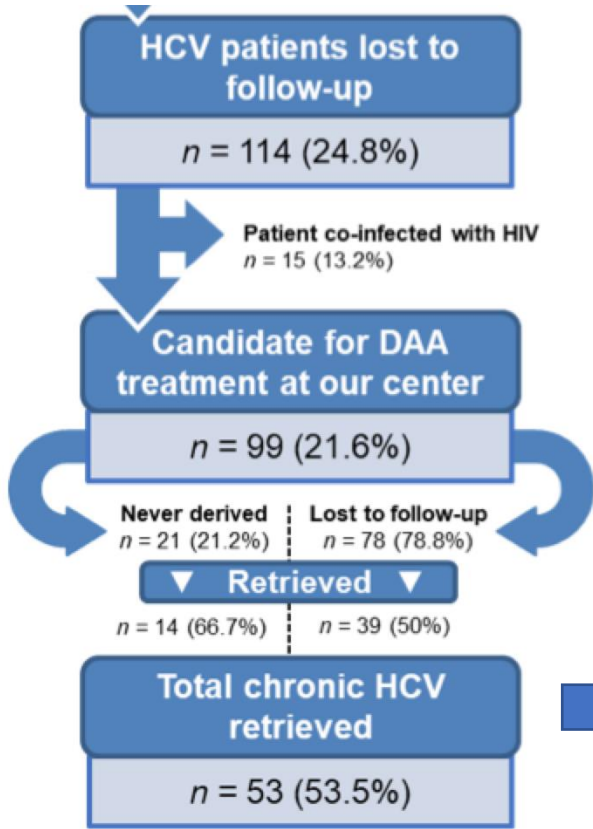


Chronically infected HCV patients lost to care, n (%)	99 (100%)
Sex (male), n (%)	68 (68.7%)
Age (years), mean ± SD	55 ± 10.5
History of drug use, n (%)	65 (65.7%)
Background of psychiatric disorders, n (%)	23 (23.2%)
Never referred to care, n (%)	21 (21.2%)
Loss of follow-up, n (%)	78 (78.8%)
Years from diagnosis, mean ± SD	10.3 ± 6.3
Previous unsuccessful treatment, n (%)	13 (13.1%)

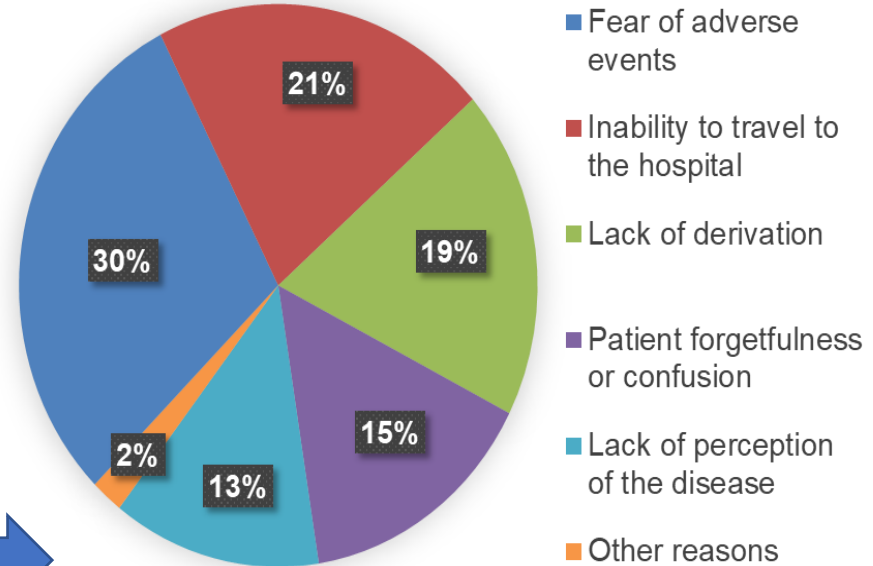
Lost in Pontevedra and O Salnés



Lost in Pontevedra and O Salnés



Analysis of the reasons attributed in the survey for previous loss of medical follow-up



Just one day...



“High-risk patients”
for follow-up loss

 **Contact**

- Nursing
- Doctor

 **Doctor**

- Anamnesis
- Explanation

 **Nursing**

- Analytical
- Fibroscan

 **Doctor**

- Survey
- Treatment

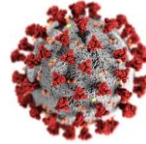
 **Nursing**

- Monitoring
- Treatment

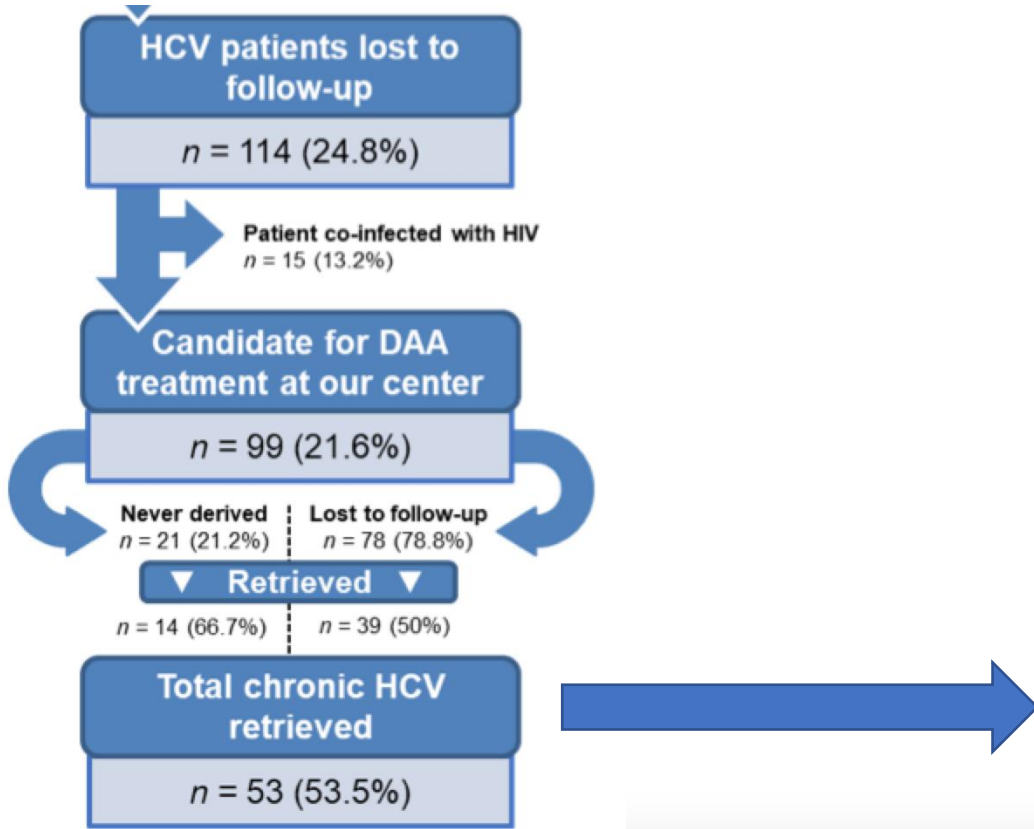
 **Pharmacy**

- Pickup
- Delivery

“Covid risk”



Lost in Pontevedra and O Salnés



Lost in Galicia is coming...

**SUMMARY OF THE STRATEGY FOR THE
ELIMINATION OF HEPATITIS C AS A PUBLIC
HEALTH PROBLEM IN GALICIA**



Conclusions

- We are in the final stretch of eliminating Hepatitis C.
- New technologies in Big Data and Artificial Intelligence will help us achieve this goal. However, they will never replace the human element.
- It's not the answer to all our problems in achieving Hepatitis C elimination, but it can be the solution for a part of them.

Thanks...



"The great achievements of any person generally depend on many hands, hearts, and minds." - Walt Disney

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