



# Los Angeles County Department of Public Health Hepatitis C Continuum of Care

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# Outline

- Defining the Los Angeles County HCV registry
- Creating the HCV Continuum of Care
- HCV Continuum of Care definitions
- LAC DPH HCV Continuum of Care
- Lessons learned

# Los Angeles County DPH HCV Registry Methods

- Develop and maintain an HCV registry only using lab data
  - Use a person- and event-level surveillance system where each incoming lab triggers an event
  - Every month we download the lab and person data
  - Probabilistic deduplication of person data to unique persons
  - Restrict data to Electronic Lab Reporting data (accounts for >95% of lab results) reported in the last five years.
  - Remove decedents: n=9,028 (11%) with at least one positive test in the time period

# Los Angeles County DPH Continuum of Care Definitions

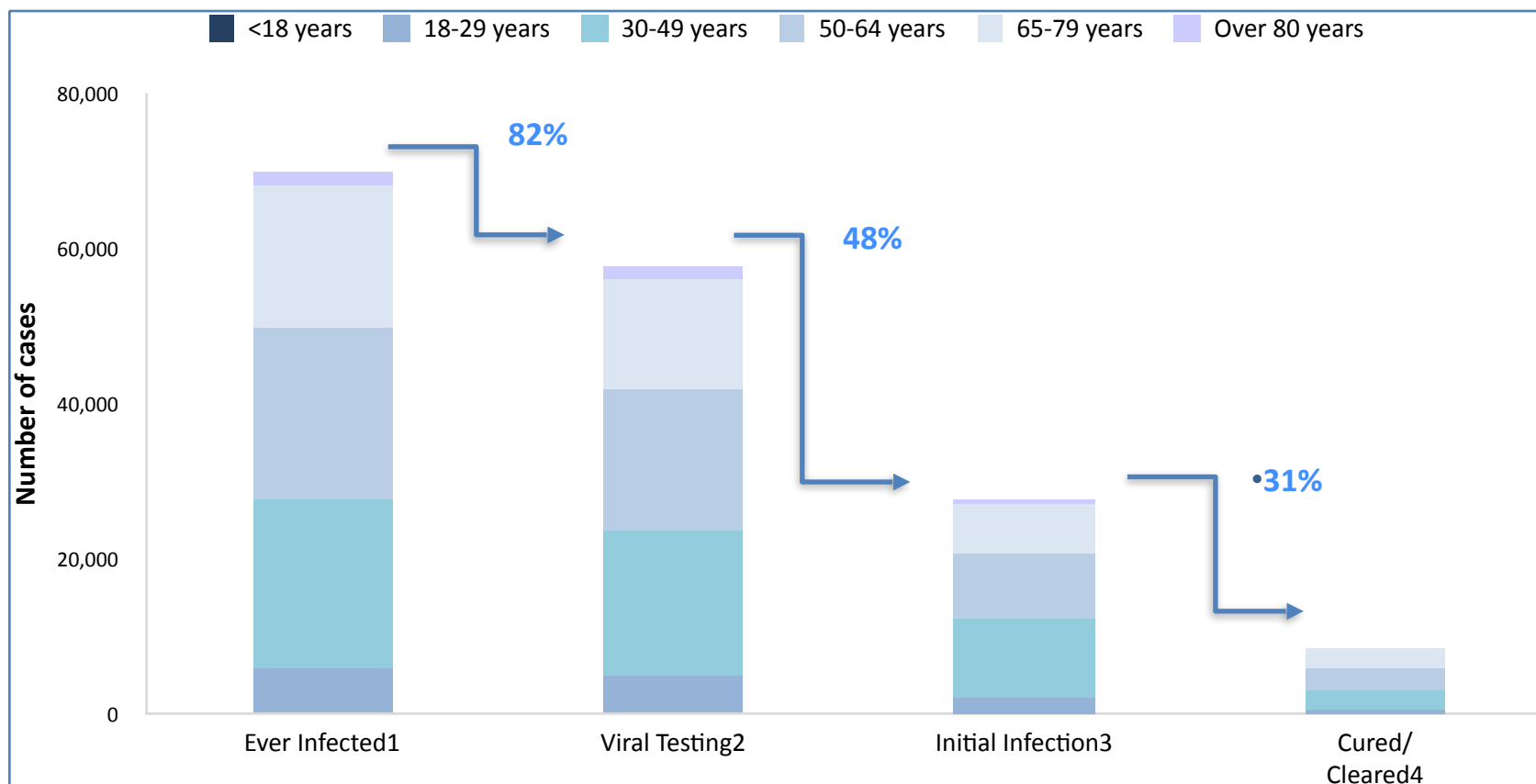
We applied the CDC laboratory-based HCV clearance cascade framework as follows:

- **Ever infected**, defined as any receipt of a positive HCV test result during **January 1, 2019-December 31, 2023** (index period);
- **Viral testing**, defined among persons ever infected as evidence of  $\geq 1$  HCV RNA or genotype test performed during **January 1, 2019-December 31, 2023** (follow up period);
- **Initial infection**, defined among persons with viral testing as evidence of a detectable HCV RNA or genotype during **January 1, 2019-December 31, 2023**, in any person with viral testing;
- **Cured or cleared**, defined among persons with an initial infection as evidence of subsequent undetectable HCV RNA during the follow-up period; and
- **Persistent infection or reinfection**, defined as evidence of subsequent detectable HCV RNA or genotype in any person categorized as cured or cleared, during the follow-up period

## Los Angeles County Continuum of Care Methods

- We use SAS 9.4 Proc SQL for summarizing the panel data into minimum and maximum test dates for antibody, RNA and genotype tests
- Our ever infected period is the same as the rest of the time periods
- We use only the most recent positive and negative confirmatory tests to count initially infected and cured/cleared registrants which eliminates the need for a persistent/re-infection category

## Los Angeles County DPH Continuum of Care by Age Group, 2019-2023



1. Los Angeles County decedents and residents of Long Beach and Pasadena are excluded.

2. Using CDC guidance, Wester C, Osinubi A, Kaufman HW, et al. Hepatitis C Virus Clearance Cascade — United States, 2013–2022. MMWR Morb Mortal Wkly Rep 2023;72:716–720. DOI: <http://dx.doi.org/10.15585/mmwr.mm7226a3>.

## Lessons Learned

- There are limitations with just working with lab data.
- Our lab data is messy.
- Looking at the most recent positive and negative test fixes some of those issues.
- Defining the index/follow up period impacts the cascade.
- There are still issues with how we use the index period versus the most recent infection date to identify the different stages of the cascade.

# Acknowledgements

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