

Centers for Disease Control and Prevention  
National Center for HIV, Viral Hepatitis, STD, and TB Prevention



# 2022 Viral Hepatitis

National Progress Report

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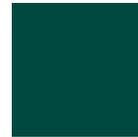
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The slides in this deck are color coded and grouped according to each hepatitide based on the scheme above.



# 2022 Viral Hepatitis National Progress Report Overview

	Baseline 2017 data year	2020 Observed (Annual Target*)	2025 Goal 2023 data year	Trend	Status
<b>Hepatitis A</b>					
Reduce estimated† new hepatitis A virus infections by ≥40%	6,700	19,900 (5,350)	4,000		
<b>Hepatitis B</b>					
Reduce estimated† new hepatitis B virus infections by ≥20%	22,200	14,000 (20,100)	18,000		
Reduce reported rate‡ of new hepatitis B virus infections among persons who inject drugs¶ by ≥25%	1.4	0.7 (1.2)	1.0		
Reduce reported rate‡ of hepatitis B-related deaths by ≥20%	0.46	0.45 (0.42)	0.37		
Reduce reported rate‡ of hepatitis B-related deaths among Asian and Pacific Islander persons by ≥25%	2.45	2.46 (2.15)	1.84		



Met or exceeded current annual target



Moving **toward** annual target, but annual target was not fully met



Annual target was not met and has not changed or moved **away** from annual target

\*Annual targets assume a constant (linear) rate of change from the observed baseline (2017) to the 2025 goal (2023 data year).

†The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (CDC 2019 Viral Hepatitis Surveillance Report and Kleven, et al, 2014).

‡Per 100,000 population.

¶Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



# 2022 Viral Hepatitis National Progress Report Overview

	Baseline 2017 data year	2020 Observed (Annual Target*)	2025 Goal 2023 data year	Trend	Status
<b>Hepatitis C</b>					
Reduce estimated† new hepatitis C virus infections by ≥20%	44,700	66,700 (39,850)	35,000		✗
Reduce reported rate‡ of new hepatitis C virus infections among persons who inject drugs¶ by ≥25%	2.3	2.9 (2.0)	1.7		✗
Reduce reported rate‡ of hepatitis C-related deaths by ≥20%	4.13	3.45 (3.57)	3.0		✓
Reduce reported rate‡ of hepatitis C-related deaths among American Indian and Alaska Native persons by ≥30%	10.24	10.17 (8.71)	7.17		✗
Reduce reported rate‡ of hepatitis C-related deaths among non-Hispanic Black persons by ≥30%	7.03	5.63 (5.98)	4.92		✓



Met or exceeded current annual target



Moving **toward** annual target, but annual target was not fully met



Annual target was not met and has not changed or moved **away** from annual target

\*Annual targets assume a constant (linear) rate of change from the observed baseline (2017) to the 2025 goal (2023 data year).

†The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (CDC 2019 Viral Hepatitis Surveillance Report and Kleven, et al, 2014).

‡Per 100,000 population.

¶Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



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# Hepatitis A



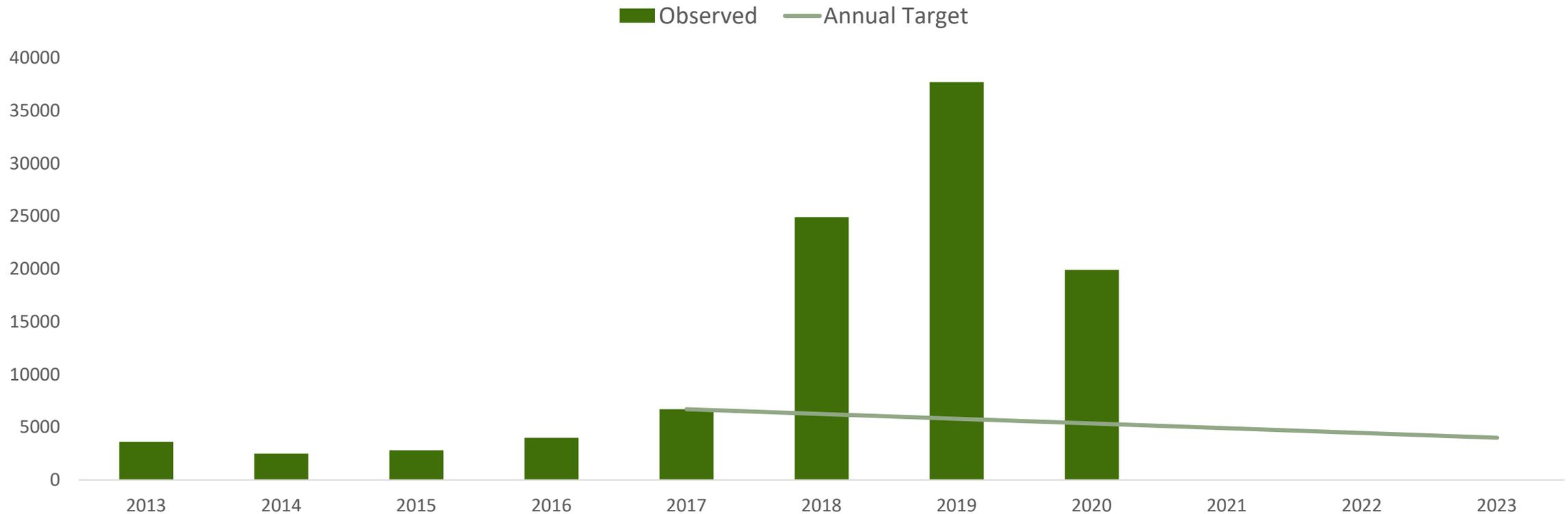
## Reduce estimated new hepatitis A virus infections by 40% or more



### National Progress Report 2025 Goal

Status: Moving *toward* annual target, but annual target was not fully met

Estimated\* new hepatitis A virus infections and annual targets for the United States by year



Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

## Reduce estimated new hepatitis A virus infections by 40% or more



### National Progress Report 2025 Goal

Status: Moving *toward* annual target, but annual target was not fully met

Estimated\* new hepatitis A virus infections and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	3,600	2,500	2,800	4,000	6,700	24,900	37,700	19,900			
Target					6,700	6,250	5,800	5,350	4,900	4,450	4,000

\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



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# Hepatitis B



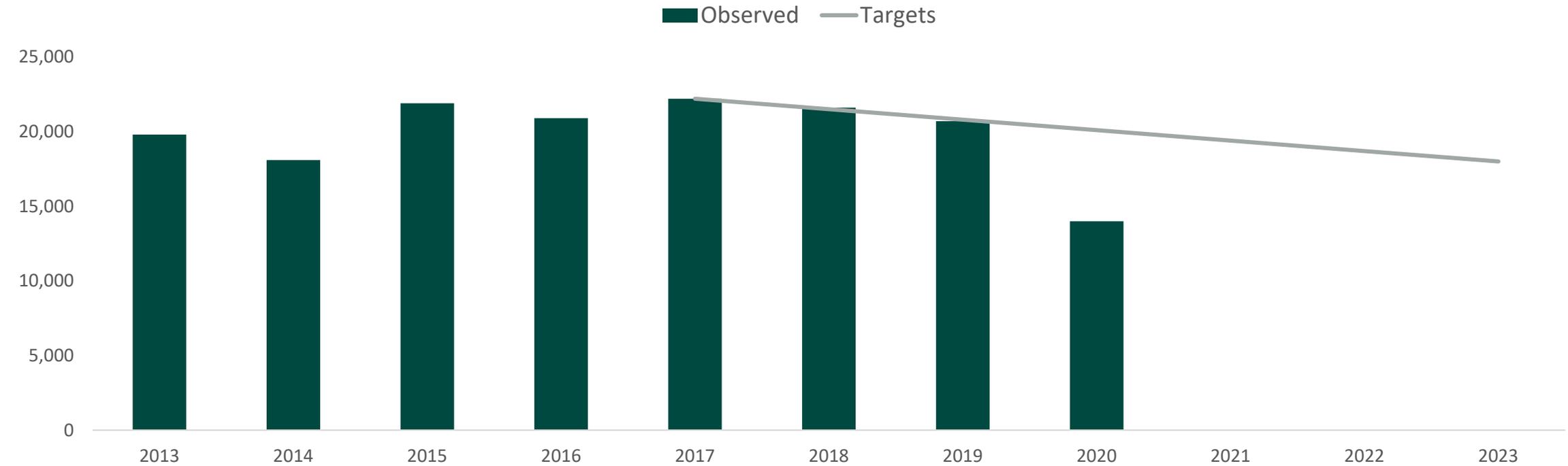
## Reduce estimated new hepatitis B virus infections by 20% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Estimated\* new hepatitis B virus infections and annual targets for the United States by year



\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce estimated new hepatitis B virus infections by 20% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Estimated\* new hepatitis B virus infections and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	19,800	18,100	21,900	20,900	22,200	21,600	20,700	14,000			
Targets					22,200	21,500	20,800	20,100	19,400	18,700	18,000

\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



# Reduce reported rate of new hepatitis B virus infections among persons who inject drugs by 25% or more



## National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Incidence rate\* of reported new hepatitis B cases among persons aged 18–40 years† and annual targets for the United States by year



\* Rate per 100,000 population

† Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of new hepatitis B virus infections among persons who inject drugs by 25% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Incidence rate\* of reported new hepatitis B cases among persons aged 18–40 years† and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	1.5	1.3	1.6	1.4	1.4	1.2	1.2	0.7			
Annual Target*					1.4	1.3	1.3	1.2	1.1	1.1	1.0

\* Rate per 100,000 population

† Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



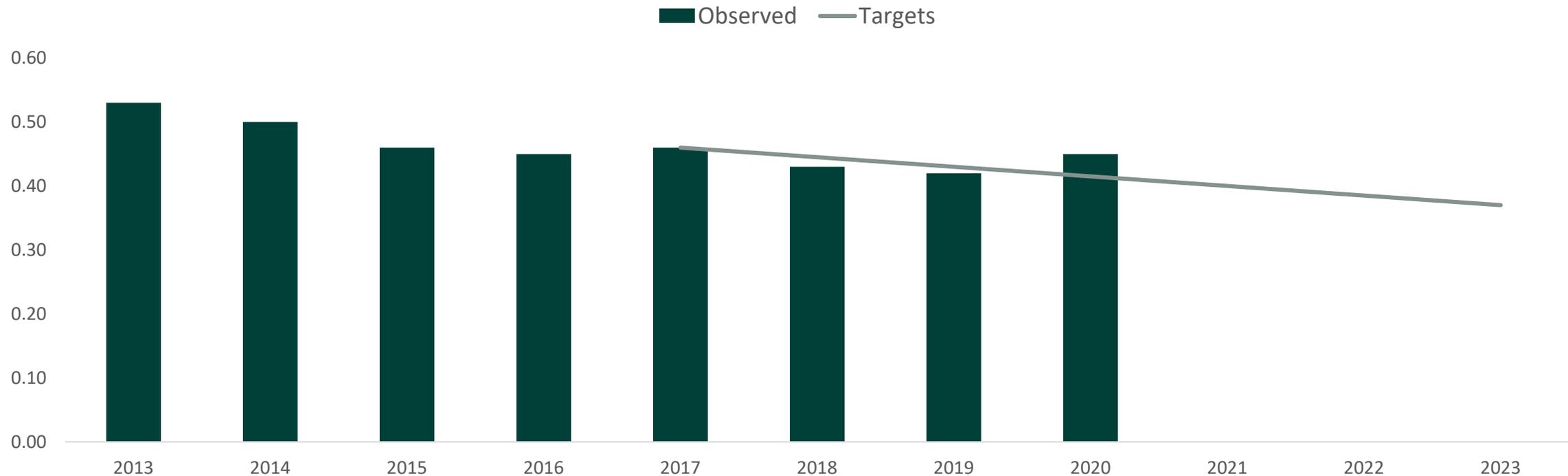
## Reduce reported rate of hepatitis B-related deaths by 20% or more



### National Progress Report 2025 Goal

Status: Annual target was not met and has not changed or moved **away** from annual target

Age-adjusted rate\* of hepatitis B-related deaths† and annual targets for the United States by year



\* Rates are per 100,000 population and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B16, B17.0, B18.0, or B18.1 (2).

Source: CDC, National Vital Statistics System (1).

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of hepatitis B-related deaths by 20% or more



### National Progress Report 2025 Goal

**Status:** Annual target was not met and has not changed or moved *away* from annual target

Age-adjusted rate\* of hepatitis B-related deaths† and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	0.53	0.50	0.46	0.45	0.46	0.43	0.42	0.45			
Targets					0.46	0.45	0.43	0.42	0.40	0.39	0.37

\* Rates are per 100,000 population and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B16, B17.0, B18.0, or B18.1 (2).

Source: CDC, National Vital Statistics System (1).

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



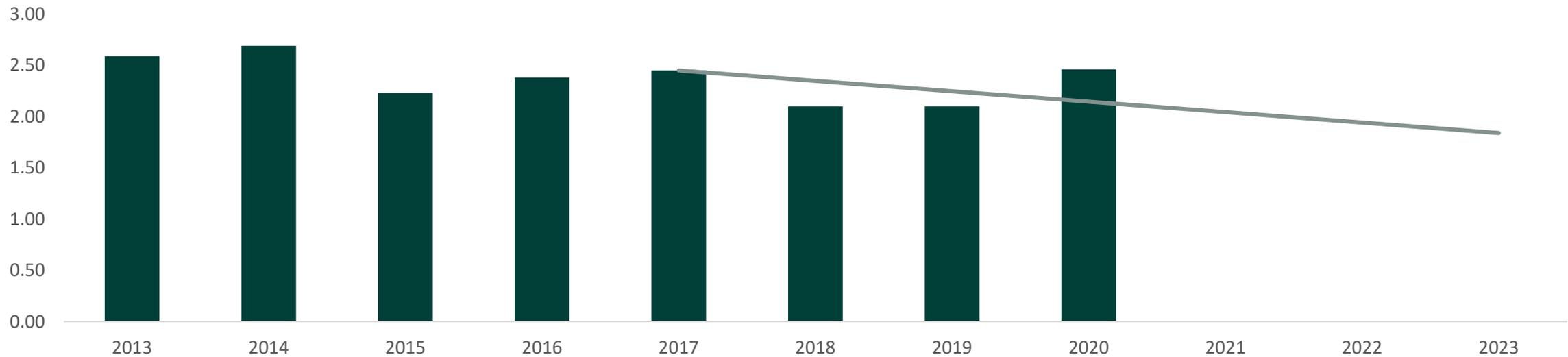
# Reduce reported rate of hepatitis B-related deaths among Asian and Pacific Islander persons by 25% or more

## National Progress Report 2025 Goal

Status: Annual target was not met and has not changed or moved **away** from annual target

Age-adjusted rate\* of hepatitis B-related deaths† among Asian and Pacific Islander persons‡ and annual targets for the United States by year

■ Observed — Targets



\* Rates are per 100,000 population and age adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B16, B17.0, B18.0, or B18.1 (2).

‡ Excludes those reporting Hispanic or Latino origin.

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of hepatitis B-related deaths among Asian and Pacific Islander persons by 25% or more

### National Progress Report 2025 Goal

**Status:** Annual target was not met and has not changed or moved *away* from annual target

Age-adjusted rate\* of hepatitis B-related deaths† among Asian and Pacific Islander persons‡ and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	2.59	2.69	2.23	2.38	2.45	2.10	2.10	2.46			
Targets					2.45	2.35	2.25	2.15	2.04	1.94	1.84

\* Rates are per 100,000 population and age adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B16, B17.0, B18.0, or B18.1 (2).

‡ Excludes those reporting Hispanic or Latino origin.

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



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# Hepatitis C



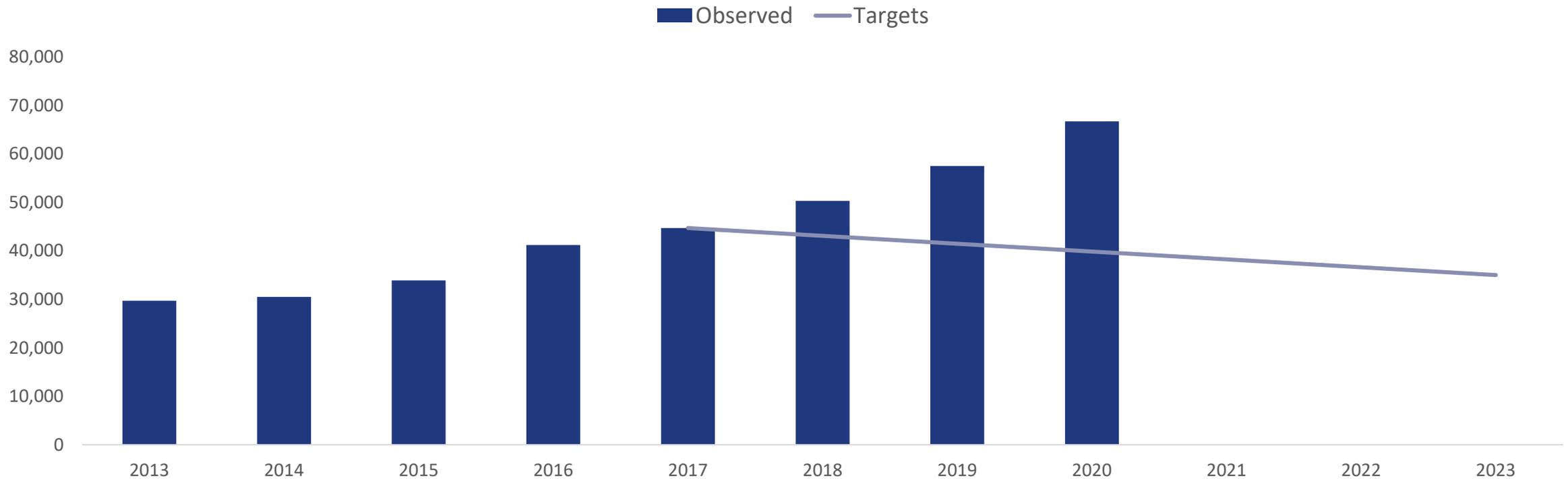
## Reduce estimated new hepatitis C virus infections by 20% or more



### National Progress Report 2025 Goal

Status: Annual target was not met and has not changed or moved **away** from annual target

Estimated\* new hepatitis C virus infections and annual targets for the United States by year



\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce estimated new hepatitis C virus infections by 20% or more



### National Progress Report 2025 Goal

**Status:** Annual target was not met and has not changed or moved *away* from annual target

Estimated\* new hepatitis C virus infections and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	29,700	30,500	33,900	41,200	44,700	50,300	57,500	66,700			
Targets					44,700	43,083	41,467	39,850	38,233	36,617	35,000

\* The number of estimated viral hepatitis infections was determined by multiplying the number of reported cases by a factor that adjusted for underascertainment and underreporting (1–2).

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.

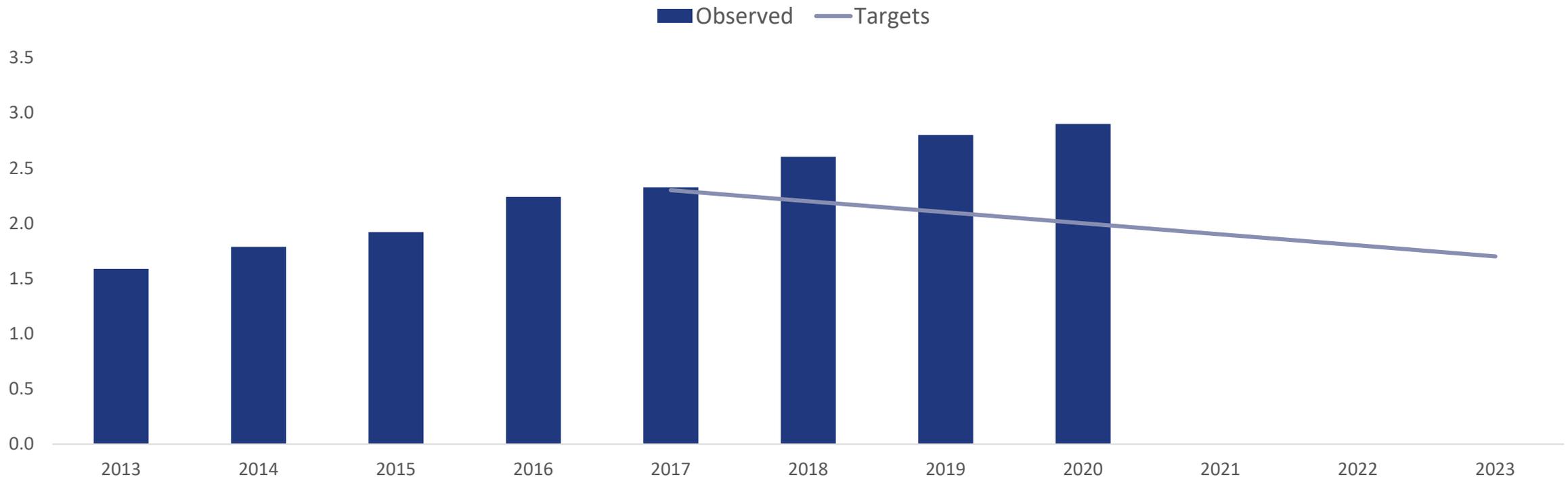


# Reduce reported rate of new hepatitis C virus infections among persons who inject drugs by 25% or more

## National Progress Report 2025 Goal

**Status:** Annual target was not met and has not changed or moved *away* from annual target

Incidence rate\* of reported new hepatitis C cases among persons aged 18–40 years† and annual targets for the United States by year



\* Rate per 100,000 population.

† Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of new hepatitis C virus infections among persons who inject drugs by 25% or more

### National Progress Report 2025 Goal

**Status:** Annual target was not met and has not changed or moved *away* from annual target

Incidence rate\* of reported new hepatitis C cases among persons aged 18–40 years† and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	1.6	1.8	1.9	2.2	2.3	2.6	2.8	2.9			
Targets					2.3	2.2	2.1	2.0	1.9	1.8	1.7

\* Rate per 100,000 population.

† Persons aged 18–40 years were used as a proxy for persons who inject drugs.

Source: CDC, National Notifiable Diseases Surveillance System.

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



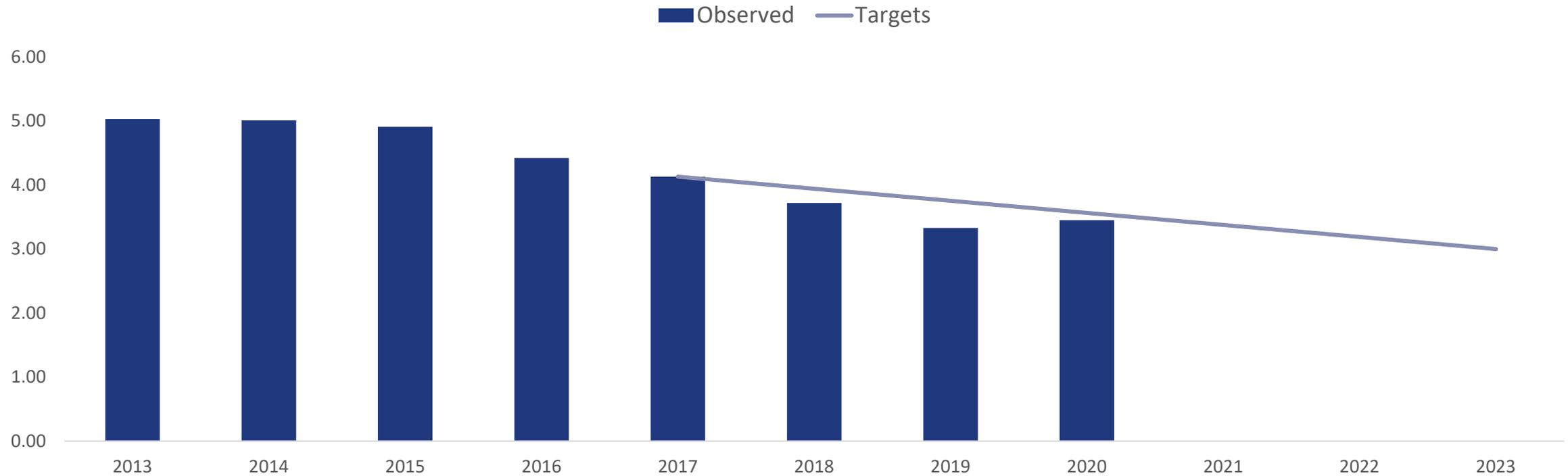
## Reduce reported rate of hepatitis C-related deaths by 20% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Age-adjusted rate\* of hepatitis C-related death† and annual targets for the United States by year



\* Rates are per 100,000 and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of hepatitis C-related deaths by 20% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

#### Age-adjusted rate\* of hepatitis C-related deaths† and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	5.03	5.01	4.91	4.42	4.13	3.72	3.33	3.45			
Targets					4.13	3.94	3.75	3.57	3.38	3.19	3.00

\* Rates are per 100,000 and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



# Reduce reported rate of hepatitis C-related deaths among American Indian and Alaska Native persons by 30% or more



## National Progress Report 2025 Goal

Status: Annual target was not met and has not changed or moved **away** from annual target

Age-adjusted rate\* of hepatitis C-related death† among American Indian and Alaska Native persons‡ and annual targets for the United States by year



\* Rates are per 100,000 population and age adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

‡ Excludes those reporting Hispanic or Latino origin.

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of hepatitis C-related deaths among American Indian and Alaska Native persons by 30% or more

 **National Progress Report 2025 Goal**

**Status:** Annual target was not met and has not changed or moved *away* from annual target

### Age-adjusted rate\* of hepatitis C-related deaths† among American Indian and Alaska Native persons‡ and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	10.79	10.05	11.45	9.80	10.24	9.05	8.63	10.17			
Targets					10.24	9.73	9.22	8.71	8.19	7.68	7.17

\* Rates are per 100,000 population and age adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

‡ Excludes those reporting Hispanic or Latino origin.

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



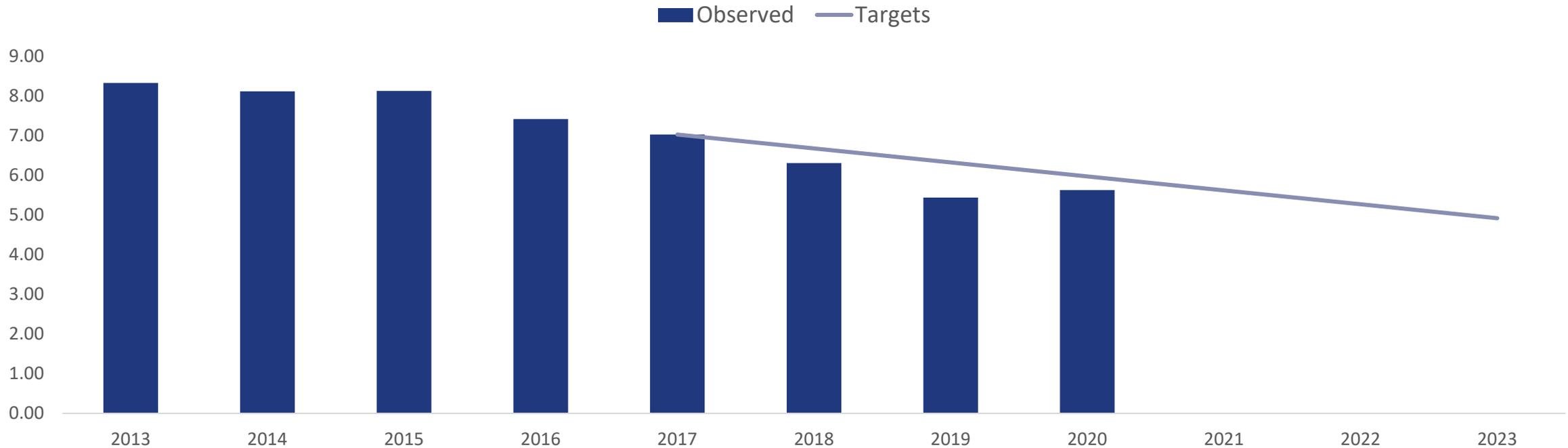
# Reduce reported rate of hepatitis C-related deaths among non-Hispanic Black persons by 30% or more



## National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Age-adjusted rate\* of hepatitis C-related deaths† among non-Hispanic Black persons and annual targets for the United States by year



\* Rates are per 100,000 and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



## Reduce reported rate of hepatitis C-related deaths among non-Hispanic Black persons by 30% or more



### National Progress Report 2025 Goal

Status: Met or exceeded current annual target

Age-adjusted rate\* of hepatitis C-related deaths† among non-Hispanic Black persons and annual targets for the United States by year

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Observed	8.33	8.12	8.13	7.42	7.03	6.31	5.44	5.63			
Targets					7.03	6.68	6.33	5.98	5.62	5.27	4.92

\* Rates are per 100,000 and age-adjusted to the 2000 US Standard Population.

† Cause of death is defined as the underlying cause of death or one of the multiple causes of death and is based on the International Classification of Disease, 10th Revision (ICD-10) codes B17.1 or B18.2 (2).

Source: CDC, National Vital Statistics System (1)

Centers for Disease Control and Prevention. Progress Toward Viral Hepatitis Elimination in the United States, 2022. Available at <https://www.cdc.gov/hepatitis/policy/npr/2022/index.htm>. Published September 2022.



For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

