



# HPV Vaccination Coverage: 2018 NIS-Teen Results

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HPV Roundtable

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How much did coverage for the first dose of HPV vaccine increase?

- A. 9.8 percentage points
- B. 5.3 percentage points
- C. 2.6 percentage points
- D. 0.4 percentage points

**How much did coverage for the HPV vaccine series increase?**

- A. 9.7 percentage points
- B. 5.2 percentage points
- C. 2.5 percentage points
- D. 0.4 percentage points

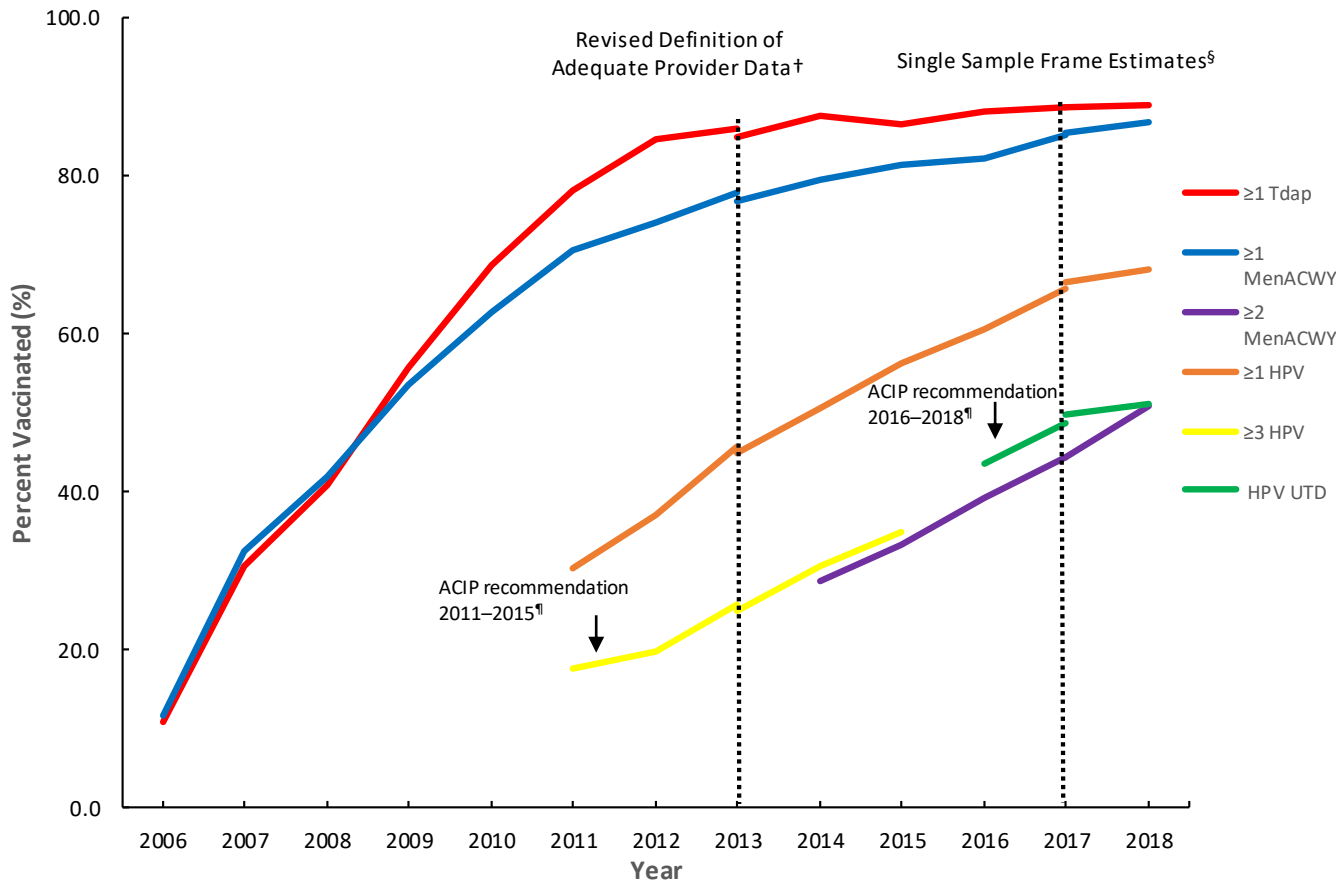
# HPV vaccination coverage significantly increased in 2018

Vaccine	2017 Estimated Coverage	2018 Estimated Coverage	Difference
≥1 Tdap	88.7 (87.8 – 89.6)	88.9 (88.0 – 89.7)	-0.2
≥1 MenACWY	85.1 (84.2 – 86.1)	86.6 (85.6 – 87.5)	+1.5*
≥2 MenACWY	44.3 (41.4 – 47.2)	50.8 (47.7 – 53.8)	+6.5*
≥2 MenB	NA	17.2 (14.9 – 19.9)	--
<b>≥1 HPV</b>	<b>65.5 (64.3 – 66.7)</b>	<b>68.1 (66.8 – 69.3)</b>	<b>+2.6*</b>
<b>HPV UTD</b>	<b>48.6 (47.3 – 49.9)</b>	<b>51.1 (49.8 – 52.5)</b>	<b>+2.5*</b>

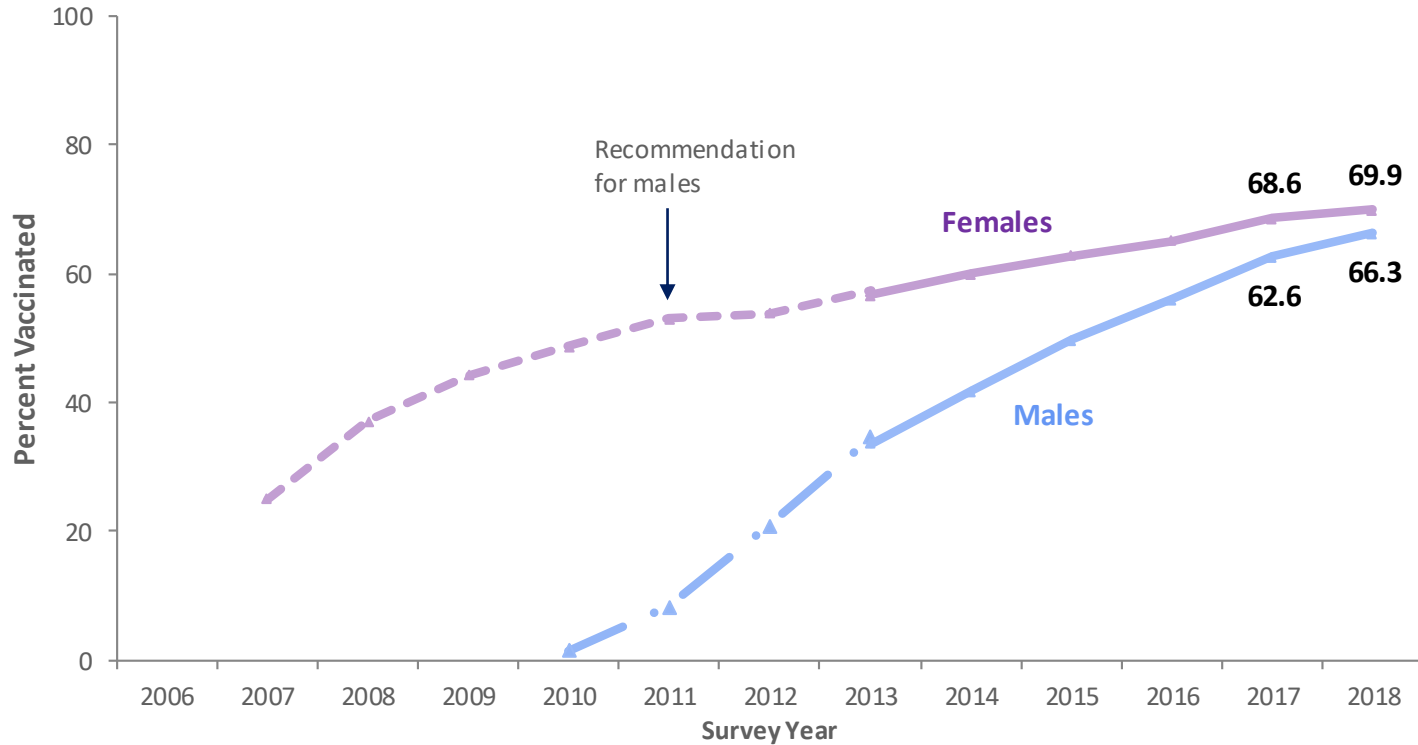
\*Statistically significant difference (p<0.05).

\*\*Data source: 2017 and 2018 National Immunization Survey – Teen.

# Estimated vaccination coverage among adolescents Aged 13-17 years, NIS-Teen, United States, 2006–2018

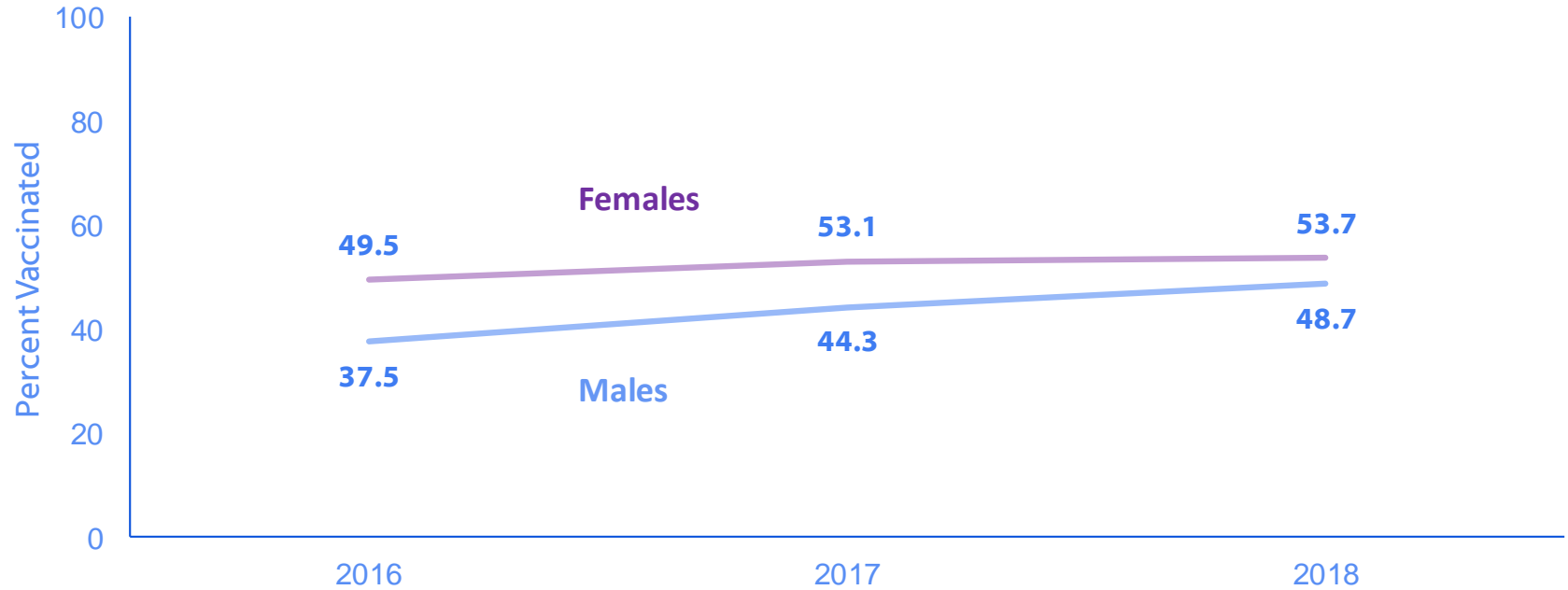


# ≥1 HPV vaccination coverage by gender



\* APD = Adequate provider data

# HPV vaccine series completion by gender

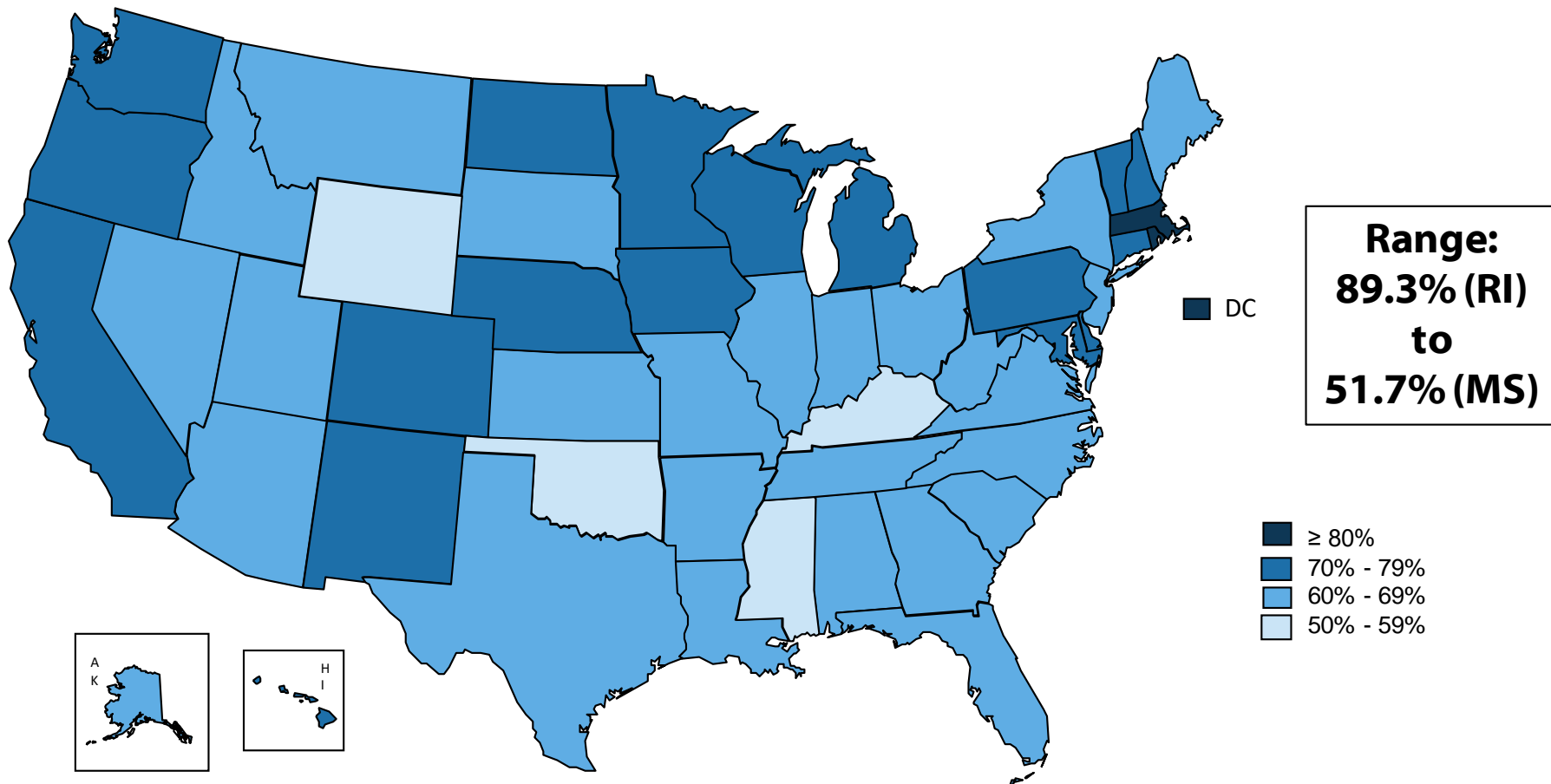


What is the  $\geq 1$  HPV vaccination coverage level in the state with the highest coverage?

- A. 85.2%
- B. 86.0%
- C. 89.3%
- D. 90.3%



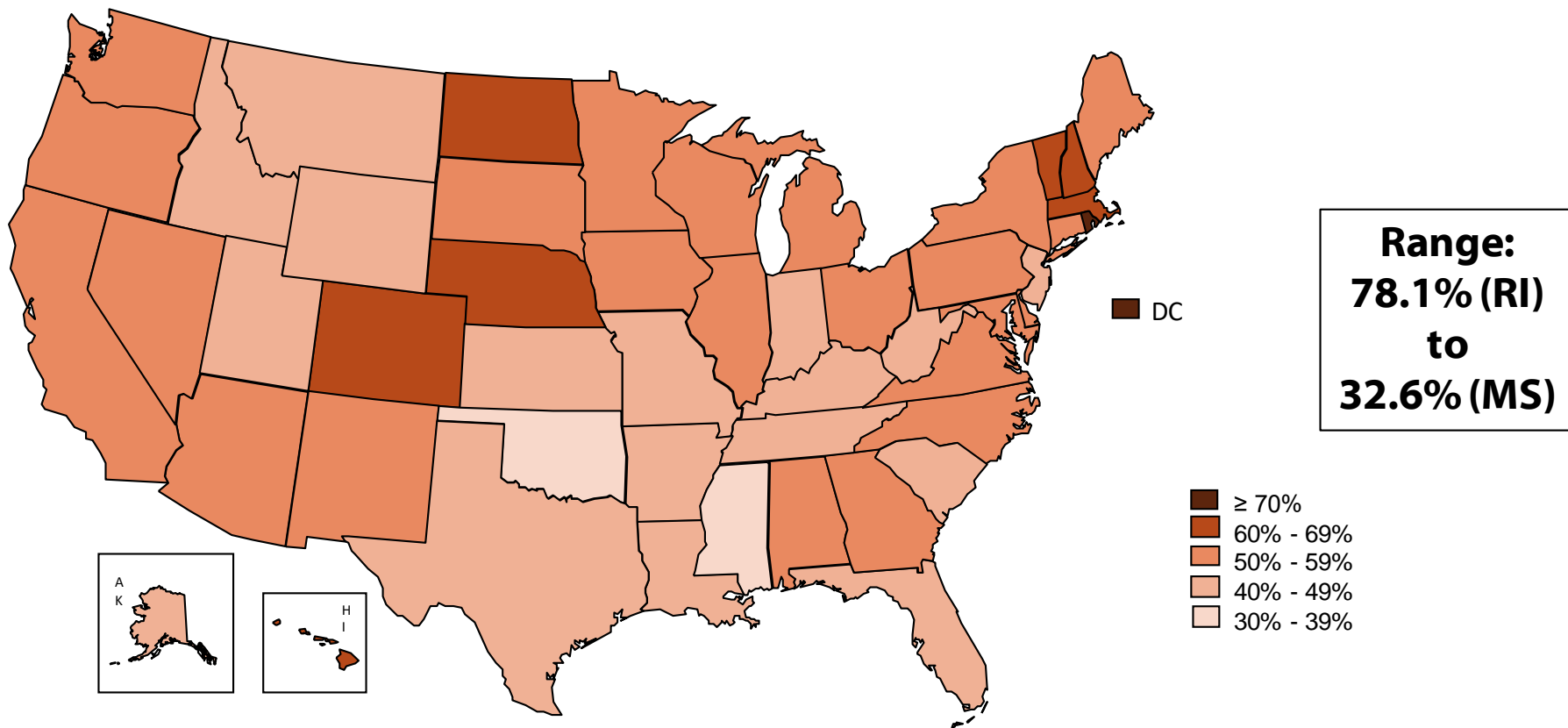
# Estimated vaccination coverage with $\geq 1$ HPV vaccine, 2018



What is the HPV UTD vaccination coverage level in the state with the highest coverage?

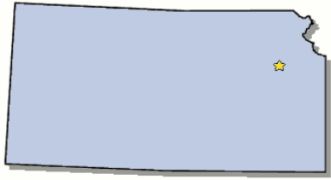
- A. 68.7%
- B. 71.3%
- C. 78.1%
- D. 75.6%

# HPV UTD vaccination coverage, 2018

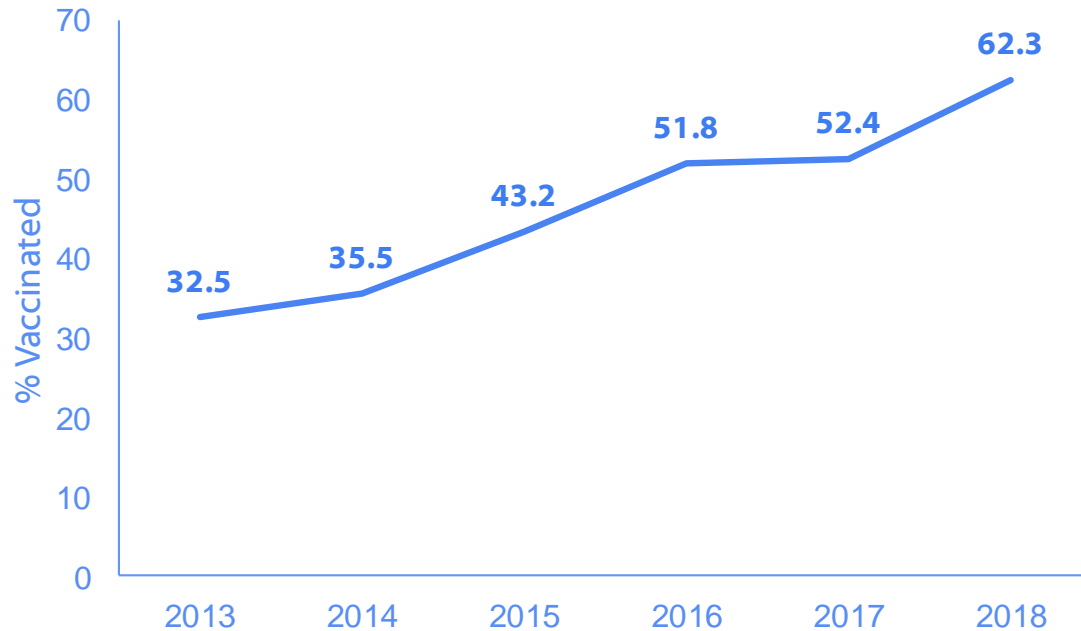


Which state had a significant increase in  $\geq 1$  dose of HPV vaccination coverage?

- A. Mississippi
- B. Kansas
- C. Colorado
- D. Texas



## Kansas significantly increased coverage for $\geq 1$ dose of HPV vaccine in 2018



Coverage increased 9.9 percentage points between 2017 and 2018

Which state had a significant increase in HPV series vaccination coverage?

- A. Alabama
- B. Minnesota
- C. Ohio
- D. Wyoming

# States with significant increase in HPV series completion coverage



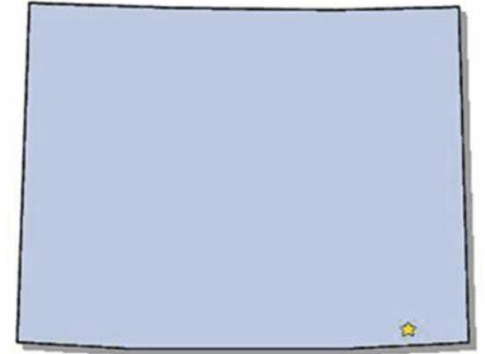
Alabama  
+9.9pp  
40.3% to 50.2%



Minnesota  
+11.9pp  
46.9% to 58.8%



Ohio  
+11.2pp  
47.0% to 58.2%



Wyoming  
+11.1pp  
30.9% to 42.0%

**What proportion of parents reported they received a recommendation for HPV vaccination from their provider?**

A. 58.7%

B. 65.4%

C. 77.5%

D. 86.2%

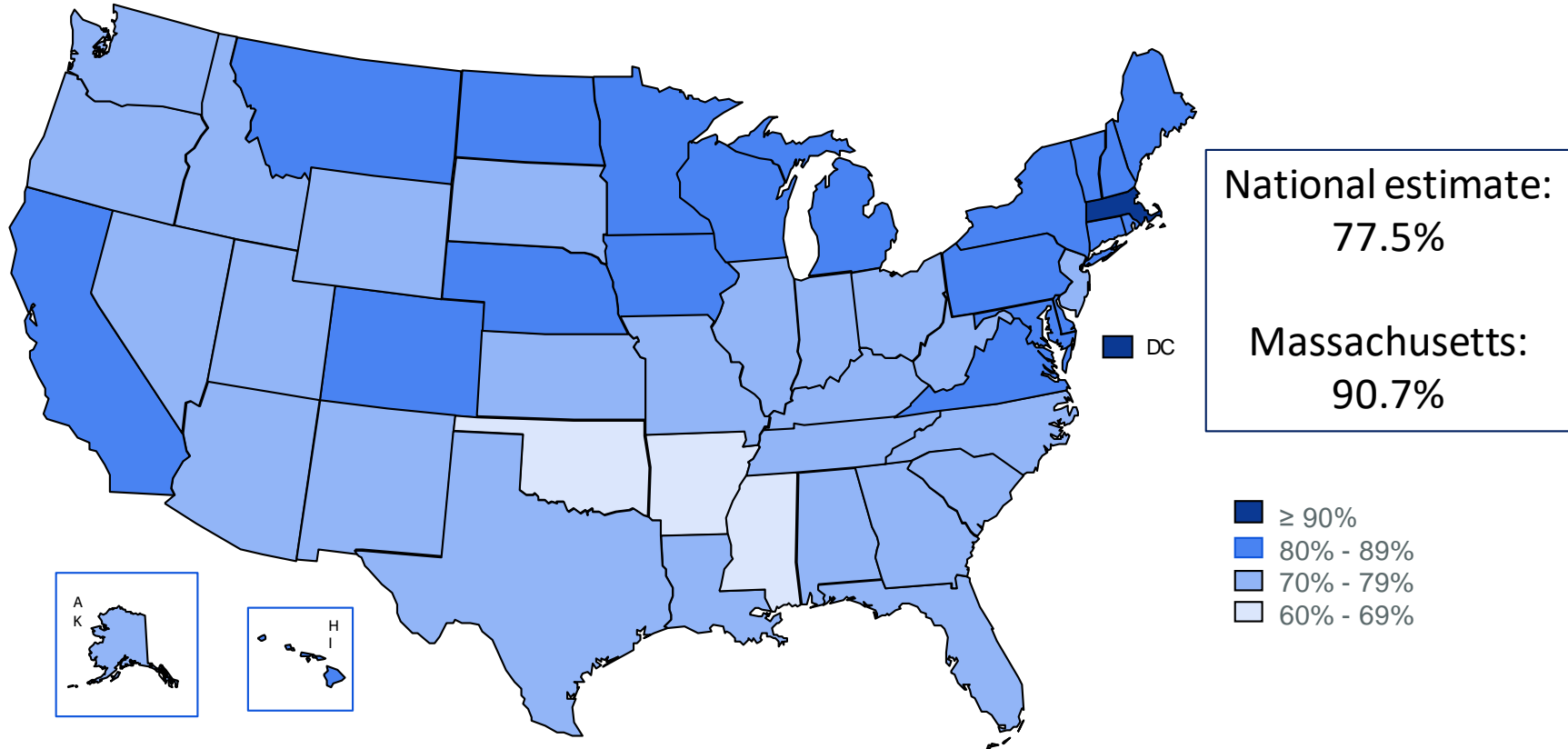




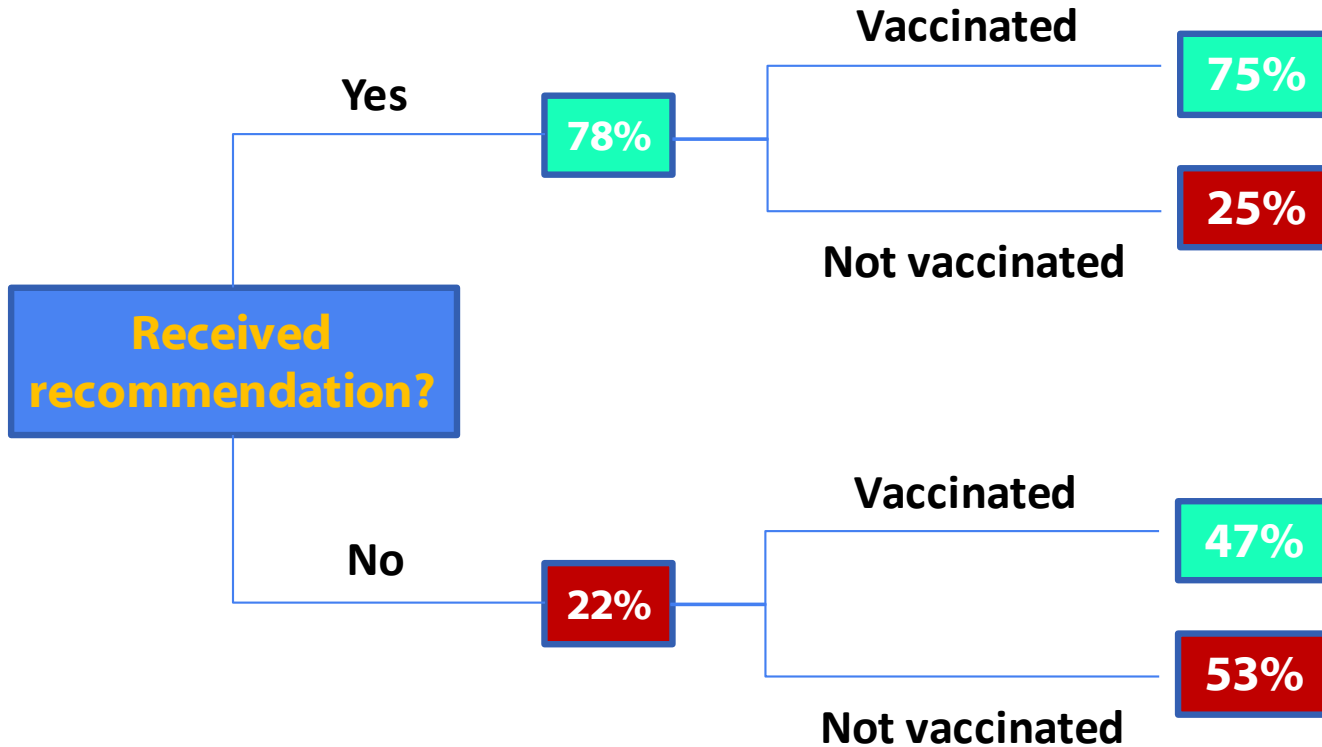
**Which state had the highest proportion of parents reporting they received a recommendation for HPV vaccination from their provider?**

- A. Kansas
- B. Massachusetts
- C. Rhode Island
- D. South Dakota

# Percentage\* of parents who reported receiving a provider recommendation for HPV vaccine, NIS-Teen 2018

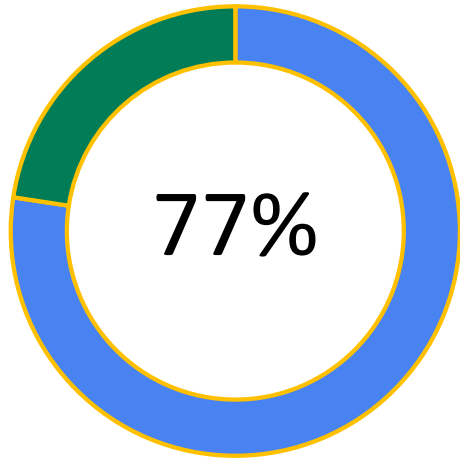


# Vaccination coverage higher among those reporting a recommendation



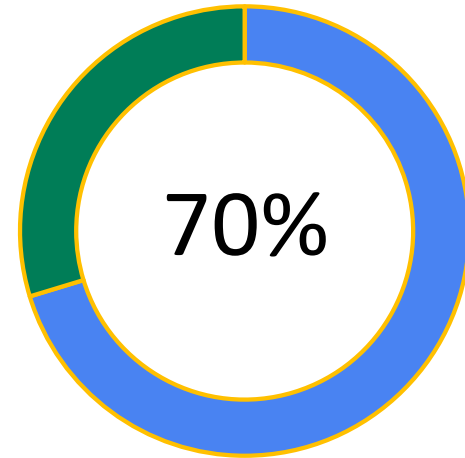
# Fewer parents in rural areas report receiving a recommendation for HPV vaccine from their provider

Urban



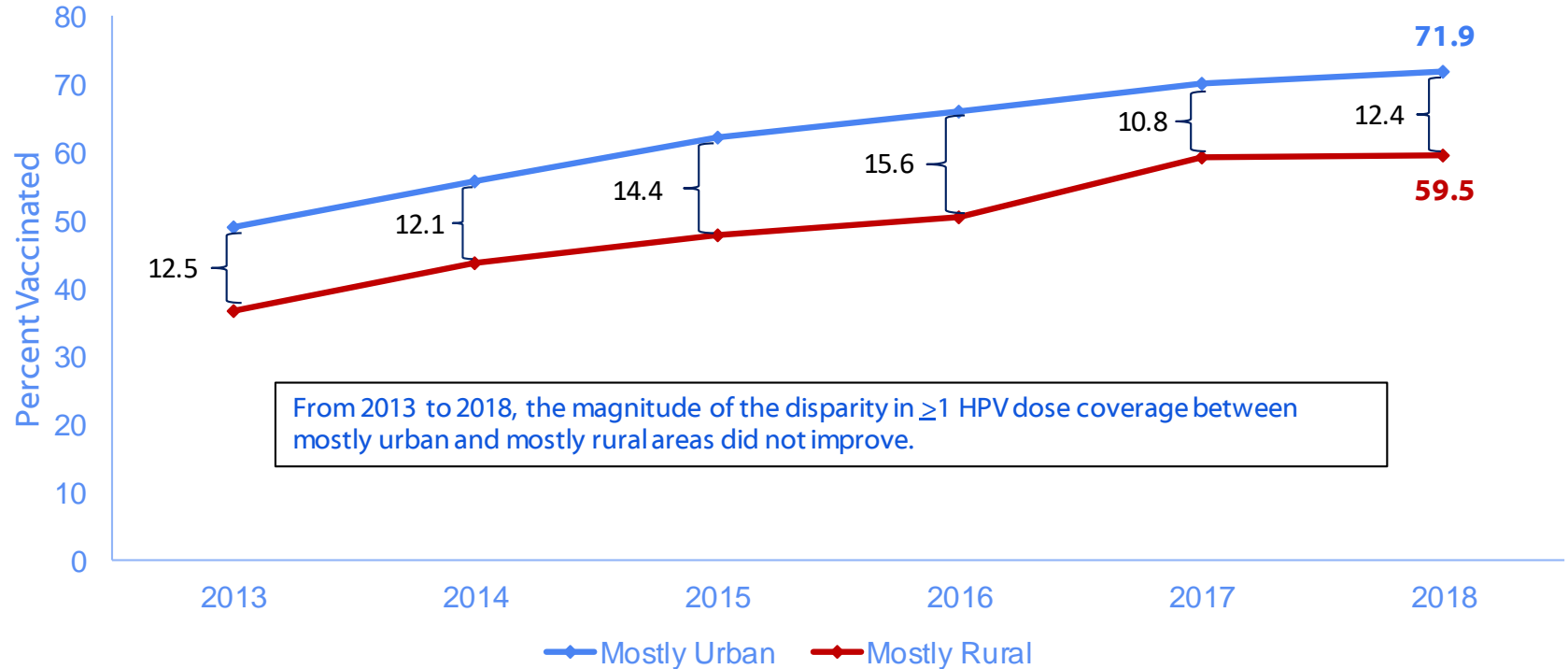
■ Yes ■ No

Rural



■ Yes ■ No

# $\geq 1$ HPV vaccination coverage in **rural areas** is consistently lower



# Summary

- HPV vaccination coverage increased slightly
  - But there was no increase in coverage among girls
- Vaccination coverage continues to be lower in rural areas
- Provider recommendation important
  - Coverage higher among parents that report receiving a recommendation
  - State variation in reported receipt of a recommendation
  - Some parents don't get vaccine even when a recommendation is given

# Call to Action

- Health care professionals
  - Make an effective recommendation to all patients age 11–12 years
  - Be prepared to address parents' questions about the HPV vaccine
  - Continue to recommend/discuss at every visit until patient is vaccinated
- Immunization programs and partners
  - Share resources with health care professionals to support them in making an effective recommendation
  - Partner with organizations focused on rural health
  - Remind parents about recommended vaccines

# Peer-to-Peer educational videos

## Modeling effective communication practices

- **#HowIRecommend** series features short videos of practicing clinicians addressing how they make effective recommendations and address common questions.
- Videos feature practicing pediatricians, family physicians, and nurse practitioners.





# Can I Ask a Question?

- New video series features short videos of real pediatricians answering parents' questions about the HPV vaccine and why it's important for preventing cancer.

Why Do Kids Need HPV Vaccine at Ages 11 and 12?



As with any vaccine, it's best to give HPV vaccine earlier rather than later. See why it's important for 11-12 year olds to be vaccinated. Watch this video in Spanish [here](#).

Do Boys Need HPV Vaccine?



Boys can and do get HPV infections, just like girls, and they can cause certain types of cancer. See why boys need the vaccine.

<https://www.cdc.gov/hpv/parents/can-i-ask-you-a-question/index.html>

## Questions?

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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.

