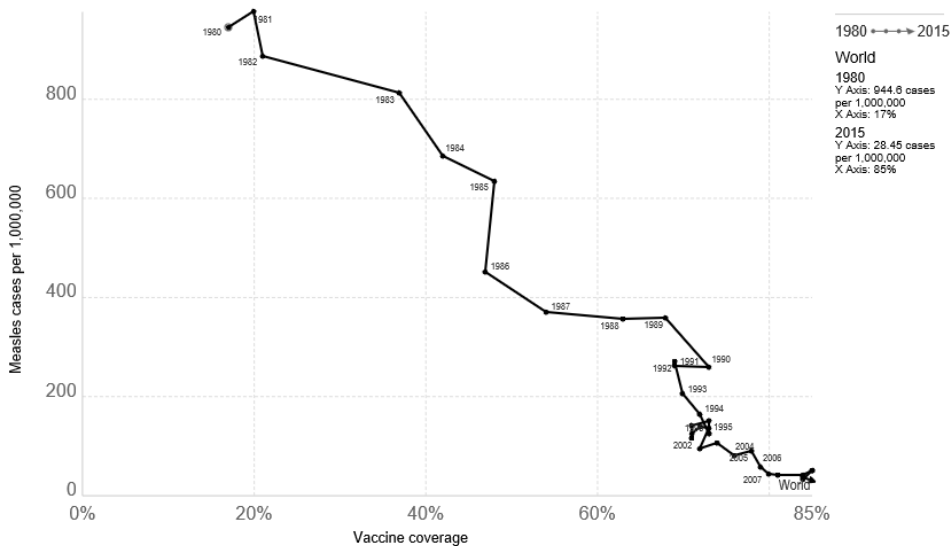


## Measles vaccine coverage worldwide vs Measles cases worldwide

Shown on the x-axis is the share of 1-year-olds who have been vaccinated against measles (MCV) in a given year.

Our World  
in Data



Source: Global Health Observatory Data Repository (2017), OWID Disease Burden Variables (using WHO and UNPD)

# BUG BITES

A monthly  
publication from  
the Infectious  
Disease (ID)  
department

MONTHLY INFECTIOUS DISEASE NEWSLETTER

IN THIS ISSUE -VACCINES, OPIOID, OSTEO, HEP C

## VACCINE HESITANCY

World Health Organization (WHO) listed vaccine hesitancy as a major public health threat in 2019. According to WHO Vaccination is one of the most cost-effective ways of avoiding disease – it currently prevents 2-3 million deaths a year, and a further 1.5 million could be avoided if global coverage of vaccinations improved.

<https://www.who.int/emergencies/ten-threats-to-global-health-in-2019>

## OPIOID EPIDEMIC

The opioid epidemic could be the culprit of the next major infectious disease outbreak, experts warn. With the rise in drug use-associated infective endocarditis, HIV and viral hepatitis stemming from the use of intravenous drugs, the number of hospitalizations and valve-replacement surgeries has spiked.

<https://www.hhs.gov/hepatitis/blog/2018/06/13/experts-link-opioid-crisis-and-infectious-diseases.html>

## ORAL ANTIBIOTICS FOR OSTEOMYELITIS

New OVIVA trial in NEJM states that **oral antibiotics** for treatment of osteomyelitis may be non-inferior to IV antibiotics.

<https://www.nejm.org/doi/pdf/10.1056/NEJMoa1710926>

## Question of the Month

Can PCP's prescribe PrEP (Pre exposure prophylaxis) for HIV?

Yes! PrEP, is a way for people who do not have HIV but who are at substantial risk of getting it to prevent HIV infection by taking a pill every day. The pill (brand name Truvada) contains two medicines (tenofovir and emtricitabine). Questions can be directed to Immunology or ID clinics.

[www.cdc.gov/hiv/pdf/guidelines/PrEPguidelines2014.pdf](http://www.cdc.gov/hiv/pdf/guidelines/PrEPguidelines2014.pdf)

## Did you know?

In 2016, the highest overall number and rates of new hepatitis C infections were among people ages 20 to 29.

New cases of Hepatitis C nearly tripled between 2010-2016 thought mostly due to increase in IV drug needle sharing.

<https://www.cdc.gov/hepatitis/statistics/2016surveillance/index.htm>

ID website for resources:

<http://www.venturafamilymed.org/rotations/infectious-disease>