The State of the Epidemic & The Faith Response

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World Without HIV
**HISTORY OF PANDEMICS**

Throughout history, as humans spread across the world, infectious diseases have been a constant companion. Even in the modern era, outbreaks are nearly constant.

Here are some of history’s most deadly pandemics, from the Antonine Plague to COVID-19.

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**PAIN-DEM-IC** (of a disease) prevalent over a whole country or the world.

- Black Death (Bubonic Plague) 1347-1351
- Smallpox 1520
- Smallpox 1700
- Cholera 6 outbreak 1855
- The Third Plague 1855
- Yellow Fever 1870-1890
- Asian Flu 1957-1958
- Hong Kong Flu 1968-1970
- MERS 2012-present
- SARS 2002-2003
- Swine Flu 2009-2010
- Swine Flu 2009-2010
- COVID-19 2019-2021

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**DEATH TOLL**

HIV/AIDS 25-35M 1981-present

- 56M Smallpox 1920
- 40-50M Spanish Flu 1918-1919
- 30-50M Plague of Justinian 541-542
- 200M Black Death (Bubonic Plague) 1347-1351

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**sources:**

CDC, WHO, BCC, Historical records, Encyclopedia Britannica, Johns Hopkins University,

**wikipedia:**

https://en.wikipedia.org/wiki/Pandemic

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*Johns Hopkins University estimates

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It is far too complex and fast-moving for this chart to keep up. Please check the latest updates from health organizations like WHO and the CDC for the most current information.

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*Visual Capitalist

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**VISUAL CAPITALIST**

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**HIV VACCINE TRIALS NETWORK**
# Summary of the global HIV epidemic, 2020

<table>
<thead>
<tr>
<th>People living with HIV in 2020</th>
<th>People acquiring HIV in 2020</th>
<th>People dying from HIV-related causes in 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37.7 million [30.2–45.1 million]</td>
<td>1.5 million [1.0–2.0 million]</td>
<td>680 000 [480 000–1.0 million]</td>
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<tr>
<td><strong>Adults (15+ years)</strong></td>
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<tr>
<td>36.0 million [28.9–43.2 million]</td>
<td>1.3 million [910 000–1.8 million]</td>
<td>580 000 [400 000–850 000]</td>
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<tr>
<td><strong>Women (15+ years)</strong></td>
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<tr>
<td>19.3 million [15.5–23.1 million]</td>
<td>660 000 [450 000–920 000]</td>
<td>240 000 [170 000–360 000]</td>
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<tr>
<td><strong>Men (15+ years)</strong></td>
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<td></td>
</tr>
<tr>
<td>16.7 million [13.3–20.1 million]</td>
<td>640 000 [460 000–890 000]</td>
<td>340 000 [230 000–490 000]</td>
</tr>
<tr>
<td><strong>Children (&lt;15 years)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.7 million [1.2–2.2 million]</td>
<td>150 000 [100 000–240 000]</td>
<td>99 000 [68 000–160 000]</td>
</tr>
</tbody>
</table>

Source: UNAIDS/WHO estimates
HIV and COVID

• Risk of dying from COVID-19 among people with HIV was 2x that of the general population.
• 67% of people living with HIV in Sub-Saharan Africa
• In July 2021, less than 3% of people in Africa had received at least one dose of a COVID-19 vaccine.

• HIV testing declined by 41%
• Referrals for diagnosis and treatment declined by 37%
In 2019, an estimated 1,189,700 PEOPLE had HIV.

For every 100 people with HIV

87 knew their HIV status.

Although more than half of adults and adolescents with diagnosed HIV are virally suppressed, more work is needed to increase these rates. **For every 100 adults and adolescents with diagnosed HIV in 2019:**

- 76 received some HIV care
- 58 were retained in care
- 66 were virally suppressed
HIV in the U.S.

The number of new HIV diagnoses was highest among people aged 25 to 34.
HIV in the U.S.

Black/African American and Hispanic/Latino people are disproportionately affected by HIV.

Gay and bisexual men are the population most affected by HIV.
Rates of New HIV Diagnoses in the US and Dependent Areas, 2018

The highest rates of new HIV diagnoses were mainly in the South.

GOAL:
75% reduction in new HIV infections by 2025 and at least 90% reduction by 2030.

www.hiv.gov
Key Strategies from *Ending the HIV Epidemic: A Plan for America*

**DIAGNOSE**
all individuals with HIV as early as possible after infection.

**TREAT**
the infection rapidly and effectively after diagnosis, achieving sustained viral suppression.

**PREVENT**
new HIV transmissions by using proven interventions, including pre-exposure prophylaxis (PrEP) and syringe services programs (SSPs).

**RESPOND**
rapidly to detect and respond to growing HIV clusters and prevent new HIV infections.
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Cure

Treatment

+

Prevention

Vaccine

AS Fauci/NIAID
Treatment as Prevention

“If you are durably virologically suppressed you will not transmit to your partner... I'll say this again, for somebody who is in a discordant couple, if the person [with HIV] is virologically suppressed, 'durably' -- there is no virus in their system, hasn't been for several months -- your chance of acquiring HIV from that person is ZERO. Let's be clear about that: ZERO. If that person the next day stops therapy for two weeks and rebounds, your chance goes up. That's why we talk about 'durable' viral suppression... You're as durably virologically suppressed as good as your adherence.”

-Carl W. Dieffenbach, Ph.D., Director, Division of AIDS, NIAID, NIH. NIH Video interview (November, 2016)
U = U

UNDETECTABLE = UNTRANSMITTABLE

A person living with HIV who has an undetectable viral load does not transmit the virus to their partners.

The International AIDS Society is proud to endorse the U = U consensus statement of the Prevention Access Campaign.
Cure

Treatment

+ Prevention

Vaccine

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AS Fauci/NIAID
Prevention research has not slowed

Alternatives for delivery of antiretrovirals as PrEP (and as treatment)

Large studies ongoing of HIV vaccine candidates

New biologic agents as PrEP (and treatment?)
Counties with higher concentrations of Black residents, higher levels of uninsured residents, or lower levels of education had lower levels of PrEP use relative to their need for PrEP.

Note: May include people of Hispanic origin.

World Without HIV

- Cure
- Treatment
- Prevention

JUSTICE

Stigmatization
What's Faith? got to do with it
Expanded Faith Initiative
HVTN Faith Initiative Legacy
Ulysses Burley, MD, MPH
Project Director, HVTN Faith Initiative
Initiative Summary

- 8 Faith Ambassadors
- 56 Faith Consultants
- 2 administrative staff
- HIV & COVID-19 focused messages/education
- Ambassador faiths: Christian, Muslim, Baha’i, Buddhism, and Native/Indigenous
- Faith Reach: Christian, Muslim, Jewish, Sikhism, Hindu, Baha’i, Buddhism
Thank you!