

IMPACTS OF

LONG COVID

ON OVERALL WELLBEING

MBADIKA

RESEARCH AND PERSPECTIVES FROM PATIENTS ON
EMPLOYMENT, DISABILITY, SOCIOECONOMIC STATUS,
EDUCATIONAL, AND DEVELOPMENTAL OUTCOMES

NASEM

JUNE 22, 2023

MBADIKA

IMPACTS OF LONG COVID ON OVERALL WELLBEING

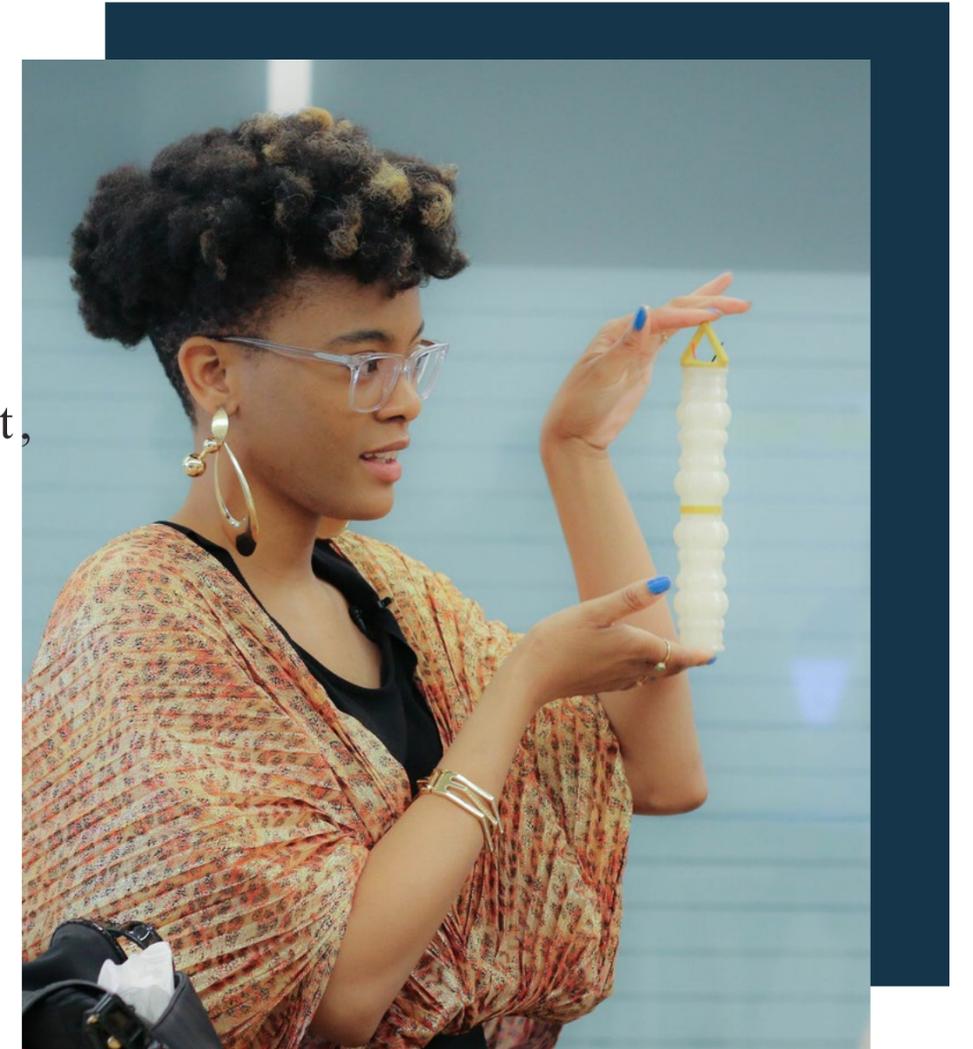
NETIA MCCRAY

EXECUTIVE DIRECTOR, MBADIKA

Focus on making STEM (Science Technology Engineering Mathematics) education accessible to learners of all ages, including socioeconomically disadvantaged communities, which have been disproportionately affected by various employment, disability, educational, and developmental outcomes.

Experience

- Executive Director, Mbadika [2010 - Present]
- B.S. Political Science, Massachusetts Institute of Technology (MIT), Class of 2014



MARCH 2020 - PRESENT



abc NEWS LIVE PRIME

INDIANA HOUSE EXPLOSION CAUGHT ON CAMERA

abc NEWS LIVE

JUNE 20 22

**U.S. Census Bureau and National Center for Health Statistics, June 2022

Long COVID Household Pulse Survey

National Center for Health Statistics
U.S. Census Bureau

20-minute Online Survey to evaluate the impact of the COVID-19 pandemic in the United States.



Phase 3.5 - June 2022

Survey evaluated the presence of long-term symptoms among those reporting symptoms lasting 3 months or longer post COVID-19 infection.



2 in 5



U.S. Adults reporting a previous COVID-19 infection.**

**U.S. Census Bureau and National Center for Health Statistics, June 2022

1 in 5



Americans with a past COVID-19 infection still reporting "long COVID" symptoms at least three or more months post infection.**

**U.S. Census Bureau and National Center for Health Statistics, June 2022

1 in 13



U.S. Adults with "long COVID" symptoms at least three or more months post COVID-19 Infection.**

**U.S. Census Bureau and National Center for Health Statistics, June 2022

Long COVID Household Pulse Survey

National Center for Health Statistics
U.S. Census Bureau

Phase 3.5 - June 2022

Survey evaluated the presence of long-term symptoms among those reporting symptoms lasting 3 months or longer post COVID-19 infection.

Phase 3.6 - September 2022

Survey expanded to evaluate if those reporting symptoms had a reduced ability to carry out their daily activities compared to pre-COVID-19 infection.

Phase 3.8 - Spring 2023

Present survey evaluates if those reporting symptoms not only have activity limitations, but also measure if they experience significant daily activity limitations, compared to pre-COVID-19 infection.

MAY 20 23

**U.S. Census Bureau and National Center for Health Statistics, June 2022

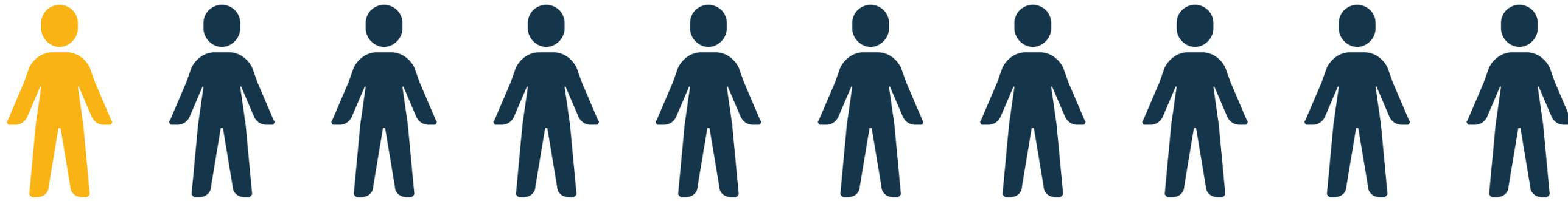
1 in 2



U.S. Adults reporting a previous COVID-19 infection.**

**U.S. Census Bureau and National Center for Health Statistics, June 2022

1 in 10



U.S. Adults with "long COVID" symptoms at least three or more months post COVID-19 Infection.**

**U.S. Census Bureau and National Center for Health Statistics, June 2022

4 in 5



Americans reporting "long COVID" symptoms at least three or more months post infection reporting activity limitations.**

**U.S. Census Bureau and National Center for Health Statistics, Spring 2023

1 in 4

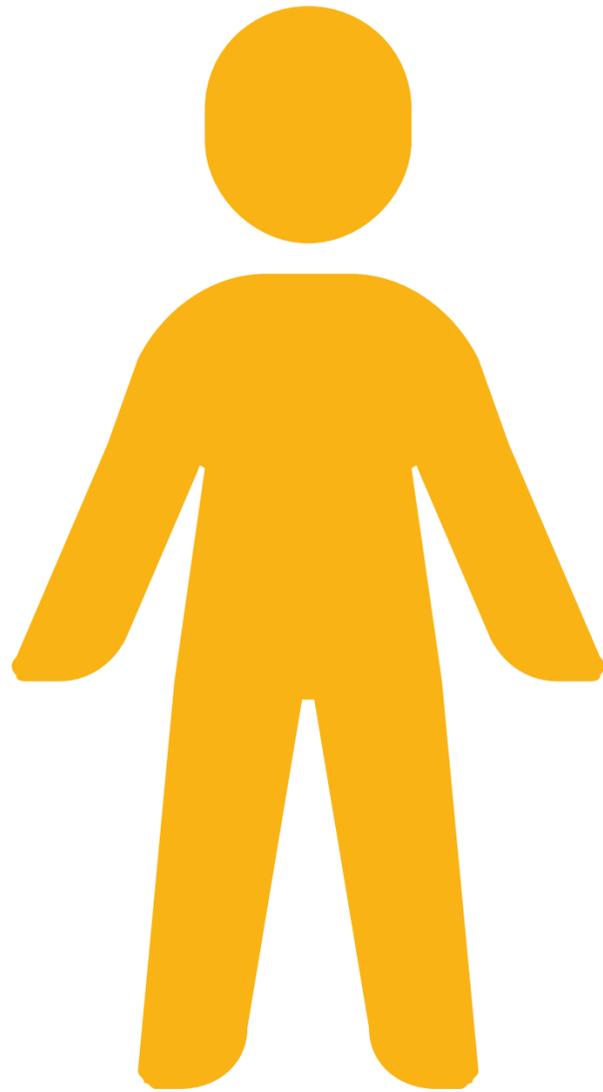


Americans reporting "long COVID" symptoms at least three or more months post infection reporting SIGNIFICANT activity limitations.**

**U.S. Census Bureau and National Center for Health Statistics, Spring 2023



EMPLOYMENT OUTCOMES



12.2 MILLION

WORKING-AGE AMERICANS
WITH LONG COVID, WHO WERE
IN LABOR FORCE PRE-COVID.*

B | Brookings Metro

[*New Data Shows Long COVID is keeping as many as 4 million people out of work, Katie Bach, Brookings METRO, August 24, 2022
https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/](https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/)

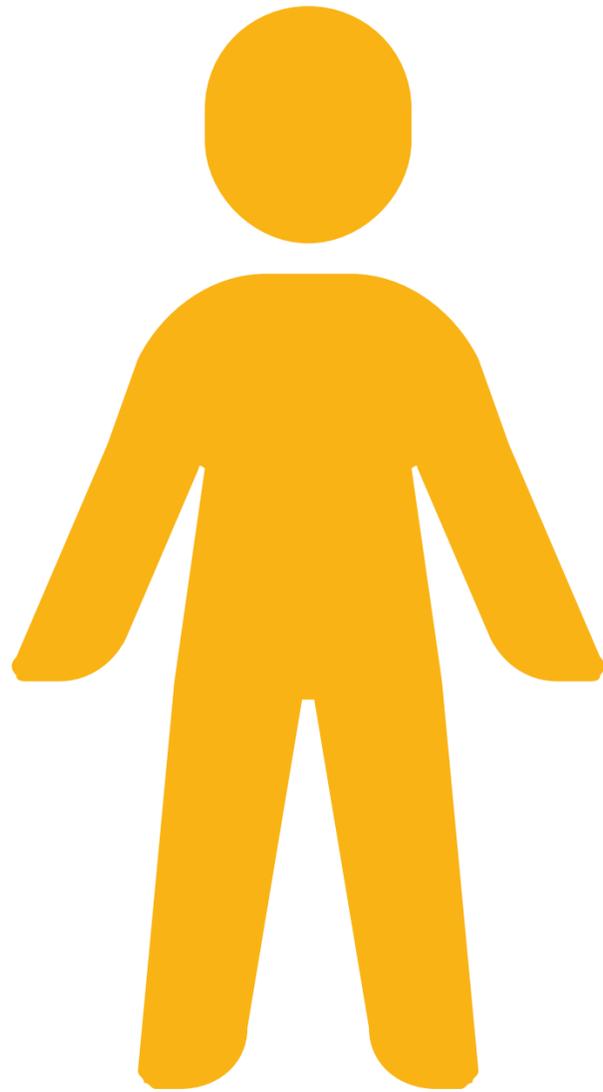


1.8 -4.1 MILLION

WORKING-AGE AMERICANS OUT
OF WORK DUE TO LONG COVID*

B | Brookings Metro

[*New Data Shows Long COVID is keeping as many as 4 million people out of work, Katie Bach, Brookings METRO, August 24, 2022](https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/)
<https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/>



\$ 170 -230 Billion

ANNUAL COST OF LOST WAGES
DUE TO REDUCED LABOR AS A
RESULT OF LONG COVID.

B | Brookings Metro

[*New Data Shows Long COVID is keeping as many as 4 million people out of work, Katie Bach, Brookings METRO, August 24, 2022](https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/)
<https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/>



15%

PERCENTAGE OF THE LABOR SHORTAGE THAT COULD BE EXPLAINED BY WORKING-AGE ADULTS WITH LONG COVID.*

B | Brookings Metro

[*New Data Shows Long COVID is keeping as many as 4 million people out of work, Katie Bach, Brookings METRO, August 24, 2022](https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/)
<https://www.brookings.edu/research/new-data-shows-long-covid-is-keeping-as-many-as-4-million-people-out-of-work/>

4 in 5



Americans reporting "long COVID" symptoms at least three or more months post infection reporting activity limitations.**

**U.S. Census Bureau and National Center for Health Statistics, Spring 2023



57%

PERCENTAGE OF AMERICANS
WITH LESS THAN \$1,000 IN
SAVINGS.*

Survey finds more than half of Americans can't afford a \$1,000 emergency, Shirin Ali, The Hill, January 19, 2022
<https://thehill.com/changing-america/respect/poverty/590453-survey-finds-over-half-of-americans-cant-afford-a-1000/>

\$1,320



2023 AVERAGE COST OF A 2-BEDROOM
APARTMENT IN THE UNITED STATES

Survey finds more than half of Americans can't afford a \$1,000 emergency, Shirin Ali, The Hill, January 19, 2022
<https://thehill.com/changing-america/respect/poverty/590453-survey-finds-over-half-of-americans-cant-afford-a-1000/>



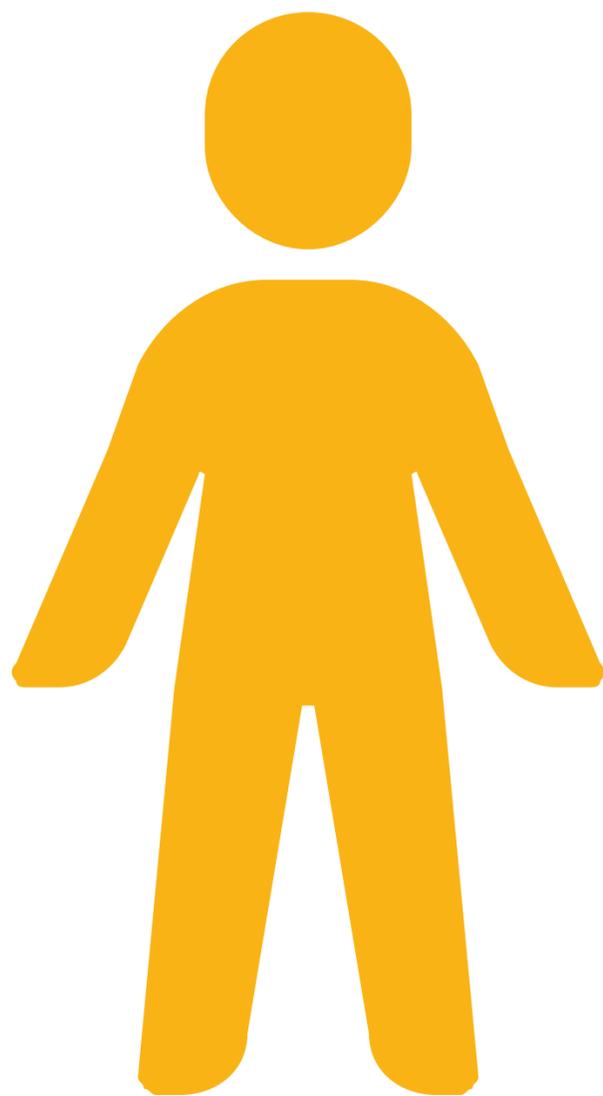
9 5

AVERAGE NUMBER OF
HOURS
A U.S. ADULT MAKING
MINIMUM WAGE
MUST WORK TO
AFFORD A 2-BEDROOM

*Minimum wage in Washington D.C. [June 2023].

FUNCTIONAL LIMITATION
AND CURRENT [LONG COVID] SYMPTOMS
WHICH IMPACT DAY-TO-DAY LIFE
WERE ASSOCIATED WITH
HIGHER PREVALENCE OF HOUSING INSECURITY.

*Association of Long COVID with housing insecurity in the United States, 2022 -2023,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>



2 X

SIGNIFICANT
DIFFICULTY WITH
HOUSING PAYMENTS

*Association of Long COVID with housing insecurity in the United States, 2022 -2023,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>



2 X

TO FACE
EVICTION OR
DISCLOSURE

*Association of Long COVID with housing insecurity in the United States, 2022 -2023,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>

30 MONTHS



TIME FROM COVID-19 INFECTION TO DIAGNOSIS

*From an Anonymous Long COVID Patient. African American Female. Age 30. Bachelor of Science.

\$435,678



TO DATE COST OF
LONG COVID SYMPTOM DIAGNOSIS, MANAGEMENT,
AND CARE

*From an Anonymous Long COVID Patient. African American Female. Age 30. Bachelor of Science.



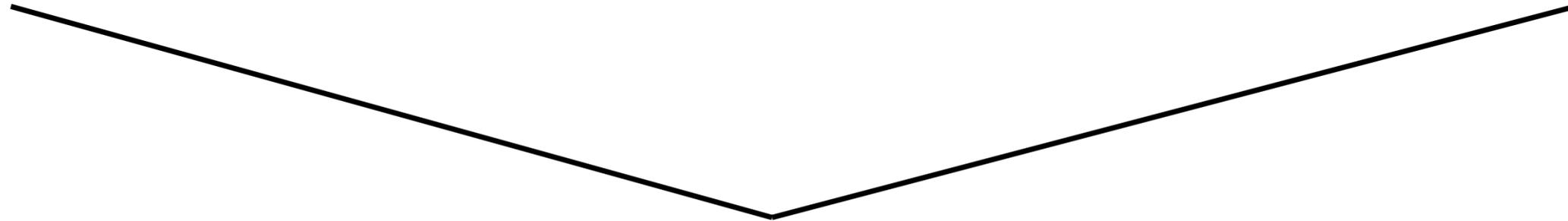
SOCIOECONOMIC OUTCOMES

OCCUPATION

EDUCATION

SOCIOECONOMIC STATUS

INCOME



OCCUPATION

EDUCATION

SOCIOECONOMIC STATUS

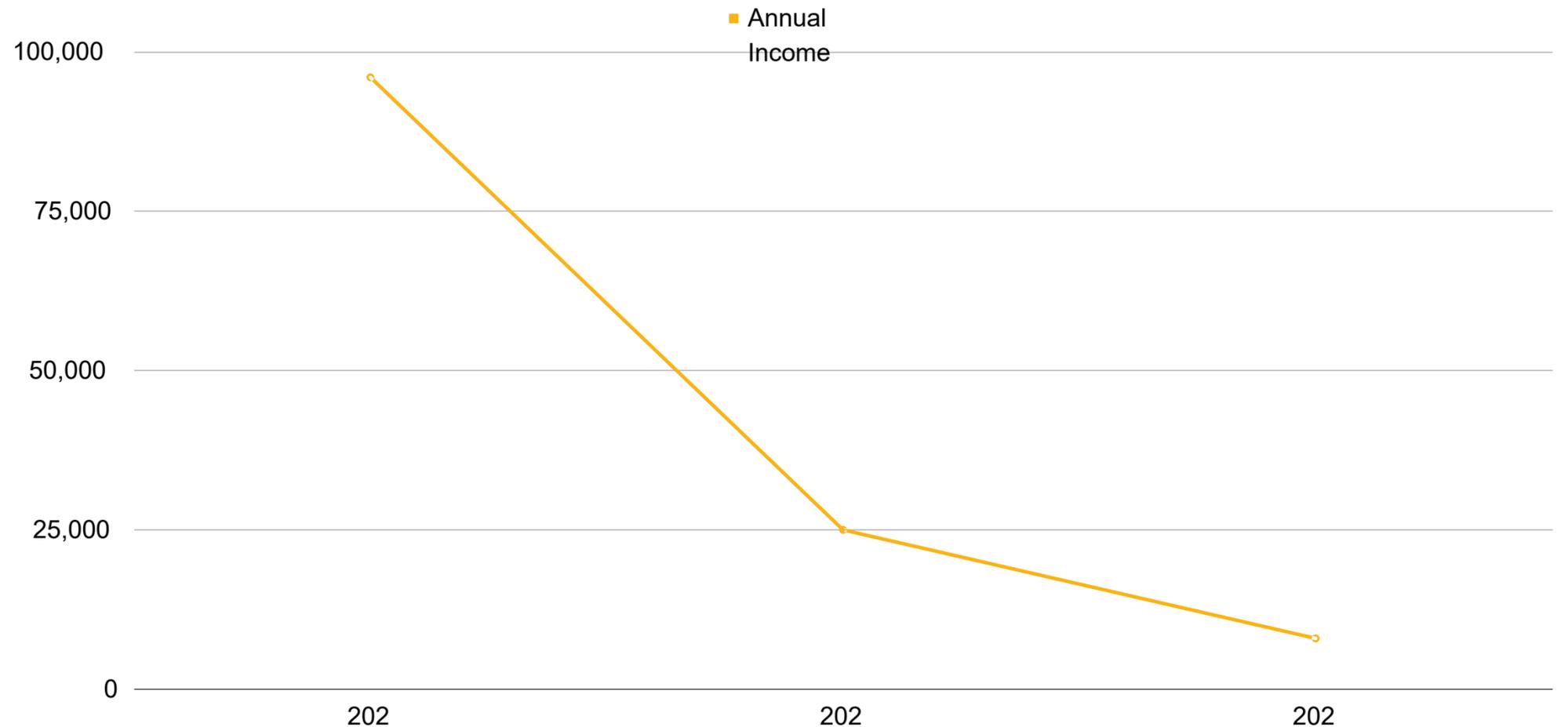
INCOME



SOCIOECONOMIC OUTCOMES



AGE: 30
GENDER: FEMALE
RACE: AFRICAN AMERICAN
EDUCATION: B.S.



*Association of Long COVID with housing insecurity in the United States, 2022 -20 23,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>

OCCUPATION

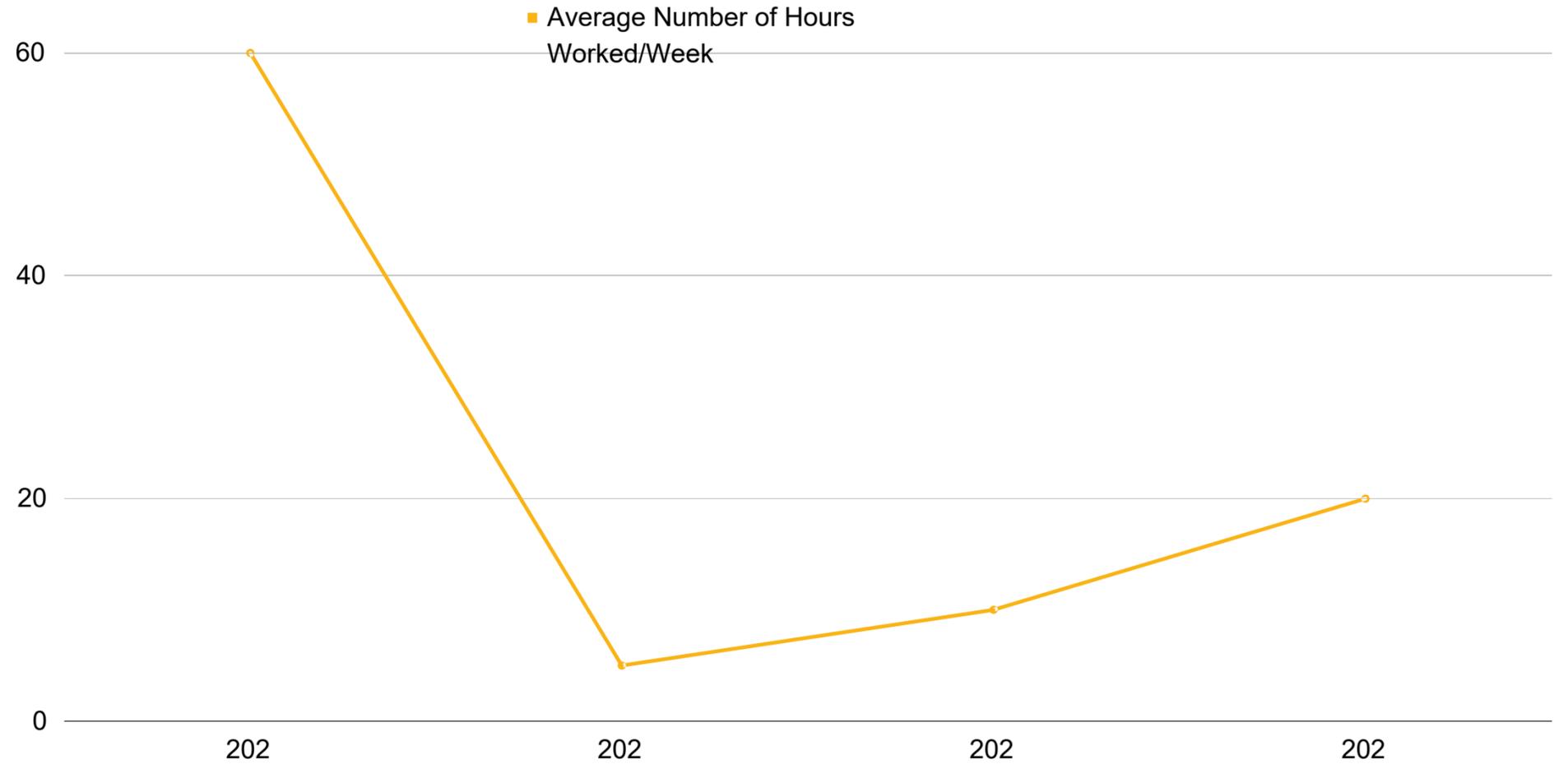
EDUCATION

SOCIOECONOMIC STATUS

INCOME



AGE: 30
GENDER: FEMALE
RACE: AFRICAN AMERICAN
EDUCATION: B.S.



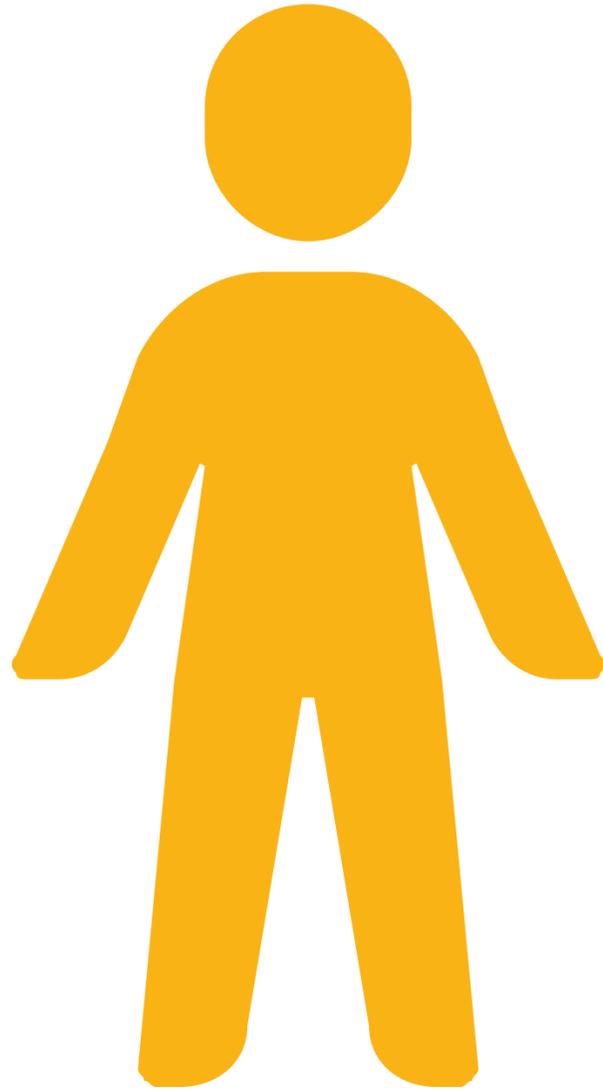
*Association of Long COVID with housing insecurity in the United States, 2022³ -2023,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>

OCCUPATION

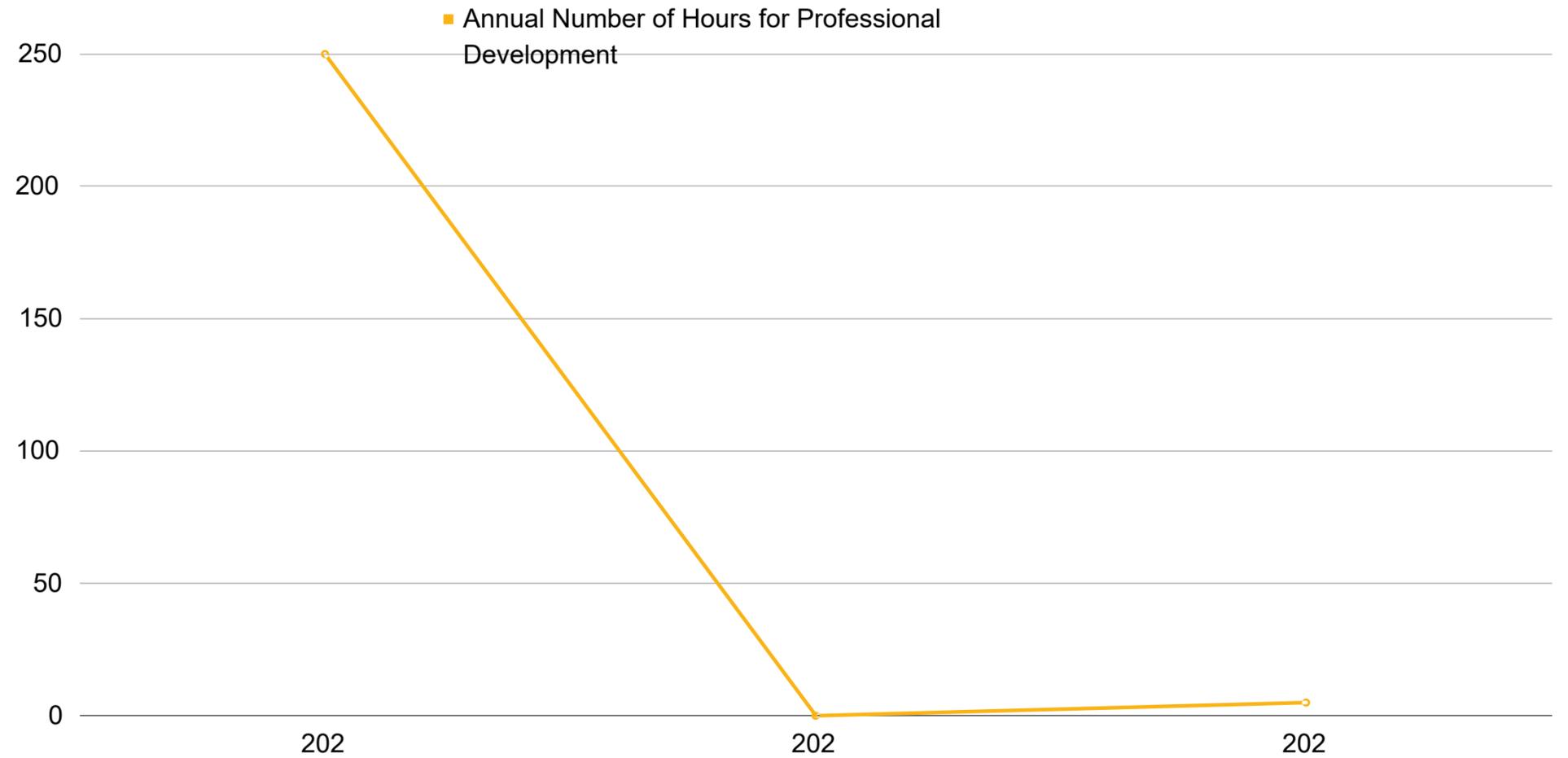
EDUCATION

SOCIOECONOMIC STATUS

INCOME



AGE: 30
GENDER: FEMALE
RACE: AFRICAN AMERICAN
EDUCATION: B.S.



*Association of Long COVID with housing insecurity in the United States, 2022 -20 23,
Samuel E. Packard, Ezra Susser, <https://doi.org/10.1101/2023.06.05.23290930>

WHAT

CAN

SHE

DO?

WHAT

CAN

~~SHE~~

DO?

WHAT

CAN

WE

DO?

30 MONTHS



TIME FROM COVID-19 INFECTION TO DIAGNOSIS

*From an Anonymous Long COVID Patient. African American Female. Age 30. Bachelor of Science.



THE
IMPORTANCE
OF
A
DEFINITION

MBADIKA

IMPACTS OF LONG COVID ON OVERALL WELLBEING

NETIA MCCRAY

LONG COVID PATIENT | ADVOCATE

Focus on making knowledge regarding post-infectious disease and chronic illness accessible to all, including socioeconomically disadvantaged communities, which have been disproportionately affected by COVID and yet remain underrepresented in

Experience

- Education Director, COVID-19 Longhauers Advocacy Project
- Patient Advocate, Rep. Ayanna Pressley's TREAT Long COVID Act
- Member, Mount Sinai/Polybio Center for Recovery from Complex Chronic Illness (CoRE) Advisory Board



THE PRESENT



abc NEWS LIVE PRIME

INDIANA HOUSE EXPLOSION CAUGHT ON CAMERA

abc NEWS LIVE

WHAT

CAN

~~WE~~

DO?

WHAT
CAN
YOU
DO?

THANK YOU