



JOHNS HOPKINS  
BLOOMBERG SCHOOL  
*of* PUBLIC HEALTH

**Master of Public Health  
Capstone Presentations  
May 11, 2024**

**Program**

Johns Hopkins Bloomberg School of Public Health

Baltimore, Maryland

# ***MPH CAPSTONE SYMPOSIUM***

***SATURDAY, MAY 11, 2024***

## **AGENDA**

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- 7:30-8:30AM**    **SESSION ONE PRESENTERS LOAD PRESENTATIONS ON COMPUTERS**  
***BREAKFAST IN FIRST FLOOR GALLERY***
- MORNING SESSION ONE\***
- 8:15 AM**    **EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION I – Rosa Crum & Paul Rebman, Room W3008**
- 8:00 AM**    **EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION II – Marie Diener-West & Yi Wang, Room W2008**
- 8:15 AM**    **EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION III – John McGready & Alyssa Columbus, Room W5008**
- 8:30 AM**    **HEALTH LEADERSHIP & MANAGEMENT – Mark Bittle & Anbrasi Edward,  
Room W2033**
- 8:30 AM**    **HEALTH SYSTEMS & POLICY CONCENTRATION I – Mary Fox & Lauren Barrow,  
Room W4007**
- 8:30 AM**    **HEALTH SYSTEMS & POLICY CONCENTRATION II – Dustin Gibson & Kobbie Aryee,  
Room W4019**
- 8:30 AM**    **HEALTH SYSTEMS & POLICY CONCENTRATION III – Paulani Mui & Zaib Hussain,  
Room W4030**
- 8:30 AM**    **HUMANITARIAN HEALTH – Courtland Robinson & Shannon Doocy, Room W3030**
- 8:30 AM**    **INFECTIOUS DISEASES CONCENTRATION – Noreen Hynes & Photini Sinnis,  
Room W2029**
- 8:15 AM**    **PUBLIC HEALTH TOPICS I – Keith West & Abigail Arthur, Room W2017**
- 8:30 AM**    **PUBLIC HEALTH TOPICS II – Randy Bryant & Nana Serwah Adofo-Ansong, Room E6519**
- 8:15 AM**    **PUBLIC HEALTH TOPICS III – Meghan Davis & Zeba Nauroz, Room W2015**
- 8:30 AM**    **PUBLIC HEALTH TOPICS IV – Jeffrey Hardesty & Himel Chowdhury, Room W4013**
- 8:30 AM**    **PUBLIC HEALTH TOPICS V – Andrea Ruff & Emily Kumpf, Room W2030**
- 8:30 AM**    **MPH/MBA – Stefan Baral, David Chin, & Paul Whong, Room E9519**

***\*Please return to the same room for Session Two. If the same room is not used for Session Two, please choose a different room of your choice.***

**MPH CAPSTONE SYMPOSIUM**  
**SATURDAY, MAY 11, 2024**

**AGENDA**

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**10:30-11:00AM** SESSION TWO PRESENTERS LOAD PRESENTATIONS ON COMPUTERS

***BREAK IN FIRST FLOOR GALLERY***

**11:00AM-1:00PM** **MORNING SESSION TWO\*\***

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION IV – **Rosa Crum & Paul Rebman, Room W3008**

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION V – **Marie Diener-West & Yi Wang, Room W2008**

EPI & BIOST METHODS FOR PUBLIC HEALTH & CLINICAL RESEARCH  
CONCENTRATION VI – **John McGready & Alyssa Columbus, Room W5008**

HEALTH SYSTEMS & POLICY CONCENTRATION IV – **Mary Fox, Dustin Gibson, & Lauren Barrow, Room W4007**

PUBLIC HEALTH TOPICS VI – **Andrea Ruff & Emily Kumpf, Room W2030**

PUBLIC HEALTH TOPICS VII - **Randy Bryant & Khusbu Balsara, Room E6519**

PUBLIC HEALTH TOPICS VIII – **Keith West & Abigail Arthur, Room W2017**

MPH/MBA – **Stefan Baral, David Chin, & Paul Whong, Room E9519**

**\*\*Please attend Session One presentations in the same room you were assigned during Session Two**

**1:00-2:00PM** ***LUNCH AND AWARD ANNOUNCEMENTS*** – FEINSTONE HALL, 2ND Floor

**Presenter Index**

| <b>Name</b>               | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|---------------------------|---------------------|-------------|-------------------------|
| Abdi, Jasmine             | 8:15 am - 10:30 am  | E6519       | 22                      |
| Acha, Joy                 | 8:30 am - 10:30 am  | E9519       | 26                      |
| Agyeman Badu, Nana Boakye | 8:15 am - 10:30 am  | W3008       | 12                      |
| Akhtar, Mannan            | 8:30 am - 10:30 am  | W4007       | 16                      |
| Akoijam, Pooja            | 8:15 am - 10:30 am  | W3008       | 12                      |
| Akyeampong, Patricia      | 8:15 am - 10:30 am  | W3008       | 12                      |
| Ali Mahmoud, Mazin        | 8:15 am - 10:30 am  | E6519       | 22                      |
| Alkahtani, Fahad          | 8:30 am - 10:30 am  | W2015       | 23                      |
| Alokozai, Hasina          | 8:30 am - 10:30 am  | W3030       | 19                      |
| Ameaka, Fatima Nkempu     | 8:30 am - 10:30 am  | W4007       | 16                      |
| Amoa, Akua                | 8:15 am - 10:30 am  | W3008       | 12                      |
| Anani, Vincent            | 8:30 am - 10:30 am  | W2015       | 23                      |
| Anaswara, Naveen          | 8:30 am - 10:30 am  | W4007       | 16                      |
| Ao, Lai Nga               | 8:15 am - 10:30 am  | W3008       | 12                      |
| Arora, Pallavi            | 8:30 am - 10:30 am  | W4007       | 16                      |
| Ateh Stanislas, Ketum     | 8:15 am - 10:30 am  | W3008       | 12                      |
| Awuku-Aboagye, Edwina     | 8:15 am - 10:30 am  | W3008       | 12                      |
| Ayalew, Fekadu            | 8:15 am - 10:30 am  | W3008       | 12                      |
| Ayazika, Kirabo Tess      | 8:30 am - 10:45 am  | W2029       | 20                      |
| Azoba, Chinenye           | 8:15 am - 10:30 am  | W3008       | 12                      |
| Bachman, Savannah         | 8:30 am - 10:30 am  | W2015       | 23                      |
| Badhwar, Sanaa            | 8:30 am - 10:30 am  | W2015       | 23                      |
| Bafna, Tanvi              | 8:30 am - 10:30 am  | W2015       | 23                      |
| Bandeira de Mello, Renato | 8:00 am - 10:30 am  | W2008       | 13                      |
| Banegas Lagos, Marcela    | 8:30 am - 10:30 am  | W2033       | 15                      |
| Bareamichael, Pineal      | 8:30 am - 10:30 am  | E9519       | 26                      |

**Presenter Index**

| <b>Name</b>                  | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|------------------------------|---------------------|-------------|-------------------------|
| Barker, Kerrie               | 8:30 am - 10:30 am  | W4007       | 16                      |
| Bedsaul-Fryer, Jacquelyn     | 8:30 am - 10:30 am  | W2017       | 21                      |
| Carboo, Abraham              | 8:00 am - 10:30 am  | W2008       | 13                      |
| Carr, Nina                   | 8:30 am - 10:30 am  | W2015       | 23                      |
| Cassio, Emily                | 8:30 am - 10:30 am  | W2015       | 23                      |
| Chakraborty Choudhury, Mohua | 8:30 am - 10:30 am  | W4007       | 16                      |
| Chatterji, Deya              | 8:30 am - 10:30 am  | W4007       | 16                      |
| Cotton, Sarah                | 8:00 am - 10:30 am  | W2008       | 13                      |
| Cowley, Hannah               | 8:30 am - 10:30 am  | W2017       | 21                      |
| Dabholkar, Aishwarya         | 8:30 am - 10:30 am  | W4007       | 16                      |
| David, Joshua                | 8:30 am - 10:45 am  | W2029       | 20                      |
| Dayo, Sana                   | 8:00 am - 10:30 am  | W2008       | 13                      |
| de Sousa, Cecilia            | 8:00 am - 10:30 am  | W2008       | 13                      |
| Desjardins, Monica           | 8:00 am - 10:30 am  | W2008       | 13                      |
| Dilek, Sophihana             | 8:30 am - 10:30 am  | W4013       | 24                      |
| Dunsmore, Emily              | 8:30 am - 10:30 am  | W4013       | 24                      |
| Edeh, Cynthia                | 8:00 am - 10:30 am  | W2008       | 13                      |
| Elbordiny, Ahmed             | 8:30 am - 10:45 am  | W2029       | 20                      |
| Falloon, Gleni-Kay           | 8:30 am - 10:30 am  | W4013       | 24                      |
| Farhat, Juliana              | 8:30 am - 10:30 am  | W4019       | 17                      |
| Fatima, Sani                 | 8:30 am - 10:30 am  | W3030       | 19                      |
| Garg, Sumit                  | 8:30 am - 10:30 am  | W4019       | 17                      |
| Garretson, Sydney            | 8:00 am - 10:30 am  | W2008       | 13                      |
| Gibson, Laurel               | 8:30 am - 10:30 am  | W4013       | 24                      |
| Gnaedinger, Anika            | 8:30 am - 10:30 am  | W3030       | 19                      |

**Presenter Index**

| <b>Name</b>                 | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|-----------------------------|---------------------|-------------|-------------------------|
| Gomes, Isis                 | 8:30 am - 10:30 am  | W4019       | 17                      |
| Goodtree, Hannah            | 8:30 am - 10:45 am  | W2029       | 20                      |
| Goyal, Vinay                | 8:30 am - 10:30 am  | W4019       | 17                      |
| Groteclaes, Tim             | 8:30 am - 10:30 am  | W3030       | 19                      |
| Gurmessa, Kiya              | 8:00 am - 10:30 am  | W2008       | 13                      |
| Habteyesus, Aryamawit Neway | 8:30 am - 10:30 am  | W4013       | 24                      |
| Hamilton, Liz               | 8:30 am - 10:30 am  | W2017       | 21                      |
| Hassan, Shafat              | 8:30 am - 10:30 am  | W4013       | 24                      |
| Hearn, Madison              | 8:30 am - 10:30 am  | W4013       | 24                      |
| Herath, Isurujith           | 8:30 am - 10:30 am  | W4019       | 17                      |
| Herrera Carrillo, Francisco | 8:30 am - 10:30 am  | W2033       | 15                      |
| Hibbert, Robert             | 8:30 am - 10:30 am  | W4019       | 17                      |
| Hinojosa, Christopher       | 8:30 am - 10:30 am  | W4019       | 17                      |
| Hopkins, Lincoln            | 8:00 am - 10:30 am  | W2008       | 13                      |
| Ilkalwale, Madiha           | 8:30 am - 10:30 am  | W4013       | 24                      |
| Imanita, Yohana Revi        | 8:30 am - 10:30 am  | W4030       | 18                      |
| Irowa-Omoregie, Daniel      | 8:30 am - 10:30 am  | E9519       | 26                      |
| Iyalomhe, Oshozimhede       | 8:15 am - 10:30 am  | W5008       | 14                      |
| Iyer-Kothari, Anitha        | 8:30 am - 10:30 am  | W2017       | 21                      |
| Jahanzeb, Jahanzeb          | 8:30 am - 10:30 am  | W4030       | 18                      |
| Jang, Mihyun                | 8:30 am - 10:30 am  | W2033       | 15                      |
| Jituboh, Preye              | 8:30 am - 10:30 am  | W4030       | 18                      |
| Johnson, Alexandra          | 8:30 am - 10:45 am  | W2029       | 20                      |
| Kabir, Faizah               | 8:30 am - 10:30 am  | W2030       | 25                      |
| Katsafanas, Ana             | 8:30 am - 10:30 am  | E9519       | 26                      |
| Keshtkarjahromi, Marzieh    | 8:30 am - 10:45 am  | W2029       | 20                      |

**Presenter Index**

| <b>Name</b>                   | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|-------------------------------|---------------------|-------------|-------------------------|
| Khan, Maryam                  | 8:15 am - 10:30 am  | W5008       | 14                      |
| Kim, Andy                     | 8:30 am - 10:30 am  | W2033       | 15                      |
| Kodali, Lakshmi Spurthi       | 8:15 am - 10:30 am  | W5008       | 14                      |
| Kolk, Sarah                   | 8:30 am - 10:30 am  | W2030       | 25                      |
| Konrad, Simone                | 8:30 am - 10:30 am  | W4030       | 18                      |
| Krishna, Samarth              | 8:30 am - 10:30 am  | W2030       | 25                      |
| Kullappan Sankaran, Sarumathi | 8:30 am - 10:30 am  | W2017       | 21                      |
| Kumar, Ayush                  | 8:30 am - 10:45 am  | W2029       | 20                      |
| Kumar, Eashan                 | 8:30 am - 10:30 am  | W4030       | 18                      |
| Kupchella, Caroline           | 8:30 am - 10:30 am  | W2017       | 21                      |
| Lambate, Suha                 | 8:15 am - 10:30 am  | W5008       | 14                      |
| Lee, Katherine                | 8:15 am - 10:30 am  | W5008       | 14                      |
| Liang, Jenny                  | 8:15 am - 10:30 am  | W5008       | 14                      |
| Lin, Wan-Hua                  | 8:30 am - 10:30 am  | W2030       | 25                      |
| Liu, Jiaqi                    | 8:30 am - 10:30 am  | W2030       | 25                      |
| Lnu, Niharika                 | 8:30 am - 10:30 am  | W2030       | 25                      |
| Lopez Bray, Carlos            | 8:15 am - 10:30 am  | W5008       | 14                      |
| Lucia, Mark                   | 8:30 am - 10:30 am  | E9519       | 26                      |
| Lukose, Lipin                 | 8:15 am - 10:30 am  | W5008       | 14                      |
| Ly, An                        | 8:30 am - 10:30 am  | W3030       | 19                      |
| Maldonado, Ashley             | 8:30 am - 10:30 am  | W2030       | 25                      |
| Mallorson, Rosa               | 8:15 am - 10:30 am  | W5008       | 14                      |
| Mambula, Jessica              | 8:30 am - 10:30 am  | E9519       | 26                      |
| Martinez, Madelin             | 8:30 am - 10:30 am  | W2017       | 21                      |
| Mauney, Carrinton             | 11:00 am - 1:00 pm  | W3008       | 27                      |

**Presenter Index**

| <b>Name</b>                       | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|-----------------------------------|---------------------|-------------|-------------------------|
| Mehta, Mauli                      | 8:30 am - 10:30 am  | W2030       | 25                      |
| Mehta, Shobha                     | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Moe, Aye Hnin                     | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Moody, Brianna                    | 8:30 am - 10:30 am  | W2017       | 21                      |
| Moynahan, Christopher             | 8:15 am - 10:30 am  | E6519       | 22                      |
| Murphy, Margaret                  | 8:30 am - 10:30 am  | W4030       | 18                      |
| Mustapha, Abdulhafeez             | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Nagahama, Yoshiko                 | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Nakayasu, Yuna                    | 8:30 am - 10:30 am  | E9519       | 26                      |
| Nazer, Maan                       | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Ndayishimiye Uwineza, Marie Odile | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Ndubueze, Godson                  | 8:30 am - 10:30 am  | E9519       | 26                      |
| Nicholson, Ryan                   | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Noorali, Ali Aahil                | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Nwakama, Chijindu                 | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Nyame-Kusi, Akosua                | 8:30 am - 10:30 am  | W2033       | 15                      |
| Obi, Simon                        | 8:30 am - 10:30 am  | W4030       | 18                      |
| Ofori, Nicholas                   | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Ojeriakhi, Oluwaremilekun         | 8:30 am - 10:30 am  | W2033       | 15                      |
| Osaghae, Osadebamwen              | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Osei-Frimpong, Sarah              | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Ospina Delgado, Daniel            | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Ozair, Ahmad                      | 11:00 am - 1:00 pm  | W3008       | 27                      |
| Pai, Nidhi                        | 11:00 am - 1:00 pm  | W2030       | 31                      |
| Pakade, Nathina                   | 11:00 am - 1:00 pm  | W2030       | 31                      |



**Presenter Index**

| <b>Name</b>                          | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|--------------------------------------|---------------------|-------------|-------------------------|
| Palmer, Katherine                    | 8:30 am - 10:45 am  | W2029       | 20                      |
| Pancharathi, Bhavishya               | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Patel, Vidhi                         | 8:15 am - 10:30 am  | E6519       | 22                      |
| Pattani, Aneri                       | 8:15 am - 10:30 am  | E6519       | 22                      |
| Pinnock, Chantelle                   | 8:30 am - 10:30 am  | W2033       | 15                      |
| Potter, Matthew                      | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Pourier, Bobby                       | 8:15 am - 10:30 am  | W2017       | 21                      |
| Quarshie, Irene                      | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Ramsey, Hailey                       | 8:15 am - 10:30 am  | E6519       | 22                      |
| Rashid, Julien                       | 8:15 am - 10:30 am  | E6519       | 22                      |
| Rathakrishnan, Sharmini              | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Rattenni, Rachel                     | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Ray, Sagnik                          | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Razuk Filho, Mauro                   | 8:30 am - 10:30 am  | W4030       | 18                      |
| Ren, Chunlin                         | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Roy, Sanjana                         | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Sadiq, Ayesha                        | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Saksena, Katya                       | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Salih, Aseel                         | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Salih, Hassan                        | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Sandoval Navas, Maria                | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Saparamadu, Amarasinghe<br>Samandika | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Sheth, Ishani                        | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Shirodkar, Shivani                   | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Sifnugel, Natalia                    | 11:00 am - 1:00 pm  | W2008       | 28                      |

**Presenter Index**

| <b>Name</b>            | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|------------------------|---------------------|-------------|-------------------------|
| Smith, Cameron         | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Soekotjo, Fadiya       | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Srivastava, Tarun      | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Suresh, Aakriti        | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Tallam, Meghana        | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Talwar, Amit           | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Taori, Surabhi         | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Tavormina, Tori        | 11:00 am - 1:00 pm  | W4007       | 30                      |
| Teka, Misker           | 11:00 am - 1:00 pm  | E6519       | 32                      |
| Teshome, Biruk         | 11:00 am - 1:00 pm  | W2008       | 28                      |
| Tom-Ayegunle, Kehinde  | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Tomiyaama, Koichiro    | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Tora, Syed Haroon      | 8:30 am - 10:30 am  | W3030       | 19                      |
| Tran, Maxwell          | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Tsou, Terrence         | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Uwimana, Berchmans     | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Venkatraman, Siddharth | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Walker, Elizabeth      | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Wang, Erin             | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Watcharaporn, Fonthip  | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Weber, Clare           | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Woldehana, Nathnael    | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Yeboah, Ekua           | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Yen, Cha-Shien         | 11:00 am - 1:00 pm  | W5008       | 29                      |
| Yokokawa, Jun          | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Youssef, Wahid         | 11:00 am - 1:00 pm  | W2017       | 33                      |

**Presenter Index**

| <b>Name</b>       | <b>Session Time</b> | <b>Room</b> | <b>Schedule on Page</b> |
|-------------------|---------------------|-------------|-------------------------|
| Zafar, Farheen    | 11:00 am - 1:00 pm  | W2017       | 33                      |
| Zaidi, Muneeb     | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Zheng, Shiyun     | 8:30 am - 10:45 am  | W2029       | 20                      |
| Zhu, Keqing       | 11:00 am - 1:00 pm  | E9519       | 34                      |
| Zomorodian, Laila | 8:15 am - 10:30 am  | E6519       | 22                      |

***Epi & Biostat Methods for Public Health & Clinical Research Concentration I***      **Room W3008**

**8:15 AM**

**Moderators: Rosa Crum**

**Paul Rebman**

**Nana Boakye Agyeman  
Badu**

*How common are non-traditional risk factors among stroke patients and how do they influence mortality outcomes?*

**Pooja Akoijam**

*Factors associated with immunization of children in Mozambique. Results from COMSA.*

**Patricia Akyeampong**

*Comparative Analysis of Maternal Weight Gain Patterns and its Association with Fetal Outcomes Between Sickle Cell Genotype SS And SC Pregnancies*

**Akua Amoa**

*How does the pattern of polypharmacy influence health outcomes in individuals with chronic kidney disease (CKD), and what factors contribute to the necessity of prescribed medications?*

**Lai Nga Ao**

*PERCH Mortality Analysis*

**Ketum Ateh Stanislas**

*Inequalities in Access to Non-sternotomy and Transcatheter Surgical Procedures for Cardiac Valve Disease*

**Edwina Awuku-  
Aboagye**

*Are regional disparities in childhood obesity rates in the United States associated with specific demographic and environmental factors?*

**Fekadu Ayalew**

*Do levels of circulating tumor cells (CTCs) or cell-free, tumor-derived DNA predict overall survival (OS) and progression-free survival (PFS) in patients with metastatic breast cancer after adjusting for demographic and clinical factors?*

**Chinenye Azoba**

*Cancer screening and healthcare utilization among immigrant cancer survivors with second primary cancer*

***Epi & Biostat Methods for Public Health & Clinical Research Concentration II Room W2008***

**8:00 AM**

**Moderators: Marie Diener-West**

**Yi Wang**

**Renato Bandeira de Mello**

*Intrinsic Capacity Domains as a Risk Factor for Frailty and Disability: A Nationwide Representative Study of the US Population*

**Abraham Carboo**

*Determinants of in-hospital Stroke Mortality in a Ghanaian Teaching Hospital*

**Sarah Cotton**

*Variability in COVID-19 hospitalization duration and implications on predictive modeling for public health preparedness*

**Sana Dayo**

*Assessing the socioeconomic differences in the impact of organ allocation policy on candidates awaiting liver transplant*

**Cecilia de Sousa**

*Representatives of Patients Enrolled in NCI-funded Multi-Modality Oncology Randomized Clinical Trials the U.S. Population: A Case Study in locally-advanced non-small cell lung cancer (LA-NSCLC) using RTOG0617 and National Cancer Database*

**Monica Desjardins**

*Evaluating Health Outcomes among American Indian/Alaska Native Persons Who Use Drugs in Oregon*

**Cynthia Edeh**

*Impact Of Integrated Social Behaviour Change (SBC) Programming On Modern Contraceptive Use in Nigeria*

**Sydney Garretson**

*Analyzing concordance between MUAC, MUACZ, and WHZ in diagnosing acute malnutrition among children under 5 in Somalia*

**Kiya Gurmessa**

*Factors influencing postpartum family planning: A regression analysis approach to understanding reproductive health choices in the postnatal period*

**Lincoln Hopkins**

*The effects of convalescent plasma on antibody avidity to SARS-CoV-2*

**Epi & Biostat Methods for Public Health & Clinical Research Concentration III Room W5008**

**8:15 AM**                      **Moderators: John McGready**                      **Alyssa Columbus**

- Oshozimhede Iyalomhe**                      *Statin use among CKD patients in the United States and the KDIGO guidelines*
- Maryam Khan**                      *Sex-specific association between family history of premature heart disease (FHPHD) and cardiovascular outcomes*
- Lakshmi Kodali**                      *to find the impact of ILI on sex hormones and their impact on bone mineral density.*
- Suha Lambate**                      *Has the COVID19 pandemic changed the prevalence of molecular subtypes of breast cancer?*
- Katherine Lee**                      *Diabetes and Body Pain: Exploring the Correlation in the UK Biobank*
- Jenny Liang**                      *Effect of cannabis on treating chronic pain*
- Carlos Lopez Bray**                      *The Access Partnership: Access to Care and Diabetes Control*
- Lipin Lukose**                      *Treatment patterns and predictors for Gastro-Esophageal Reflux Disease in the US Ambulatory Setting*
- Rosa Mallorson**                      *Assessing the impact of Efavirenz on HIV persistence by inducing the CARD8-inflammasome*

**Health Leadership & Management Concentration**

**Room W2033**

**8:30 AM**

**Moderators: Alyssa Columbus**

**Anbrasi Edward**

**Marela Banegas Lagos**

*The use of artificial intelligence to improve healthcare delivery and outcomes in low-and middle-income countries*

**Franc Herrera Carrillo**

*Scoping Review of Physical Disabilities in Children and Support Services in Tanzania*

**Mihyun Jang**

*A Quality Improvement Project to Improve First case On Time Starts in Orthopedic Operating Rooms*

**Andy Kim**

*Understanding the Challenges of Employer-Based Wellness Program*

**Akosua Nyame-Kusi**

*Improving Health Systems Readiness to Engage in Research to Address Disparities in Cardiovascular Health: An analysis of the LINKED-BP and LINKED-HEARTS Programs*

**Oluwaremilekun  
Ojeriakhi**

*Designing a Research Process for Chief Strategy Officers (CSOs) in the Healthcare Industry: Understanding Their Role, Responsibilities, and Career Trajectory*

**Chantelle Pinnock**

*Scoping Review and Landscape Analysis on Hypertension Control Strategies in Jamaica*

**Health Systems & Policy Concentration I**

**Room W4007**

**8:30 AM**

**Moderators: Mary Fox**

**Lauren Barrow**

**Mannan Akhtar**

*Review of Digital Health Applications in the State of Uttar Pradesh*

**Fatima Nkempu  
Ameaka**

*Program evaluation of Planned Parenthood of Maryland's Health Liaison Training Program*

**Naveen Anaswara**

*Developmental and nutrition screening for children 0-6 years old in Lesotho*

**Pallavi Arora**

*Clinician's perspectives and role in implementation of Extreme Risk Protection Orders (ERPO) laws*

**Kerrie Barker**

*Developing pharmaceutical and vaccine manufacturing in Barbados: A regulatory perspective*

**Mohua Chakraborty  
Choudhury**

*Building Trust through Shared Decision-making among African American Men with Prostate Cancer*

**Deya Chatterji**

*Addressing Tobacco Company Response to Statewide Menthol Bans: A Literature Review and Advocacy Plan for the USA*

**Aishwarya Dabholkar**

*Policy reform for dental insurance in the US*



**Health Systems & Policy Concentration II**

**Room W4019**

**8:30 AM**

**Moderators: Dustin Gibson**

**Kobbie Aryee**

**Juliana Farhat**

*Impact of inflammation and immune activation on the association between insulin resistance and physical functional status*

**Sumit Garg**

*Vaccine manufacturing for pandemic preparedness in LMICs*

**Isis Gomes**

*Electronic health records' policy in Brazil: an analysis with equity lens*

**Vinay Goyal**

*Analysis of disability, pregnancy and birth outcomes, and maternal health care utilization data for pregnant women with disabilities living at the Iganga-Mayuge Health and Demographic Surveillance site (IM-HDSS) in Uganda*

**Isurujith Herath**

*Cost-Effectiveness Analysis Studies of Eliquis and Xarelto to Inform Medicare Drug Price Negotiations*

**Robert Hibbert**

*Physician behavior and changes in healthcare market equilibrium in Jamaica following increase in the compensation of public sector physicians without improving supporting infrastructure.*

**Christopher Hinojosa**

*Associations between firearm mortality and permitless carry implementation by state*

**Health Systems & Policy Concentration III**

**Room W4030**

**8:30 AM**

**Moderators: Paulani Mui**

**Zaib Hussain**

**Yohana Revi Imanita**

*The Burden of Healthcare Costs in Indonesia: An In-Depth Analysis of Out-of-Pocket Expenditure Patterns and Inequalities from the 2022 National Socioeconomic Survey*

**Jahanzeb Jahanzeb**

*Specific environmental conditions contributing to the incidence and severity of heat-related health outcomes among workers in hot working environment*

**Preye Jituboh**

*Association Between Minimum Community Benefit Requirement & Non-Profit Hospitals Community Benefit Spendings*

**Simone Konrad**

*Centering community self-identified issues and solutions: A qualitative study of US Black, Latinx and Indigenous perspectives to decolonize public health funding*

**Eashan Kumar**

*Evidence of Integrated Primary-Secondary Health Care in Low-and Middle-Income Countries*

**Margaret Murphy**

*Connecting the Ecosystem for Violence Prevention in Baltimore City*

**Simon Obi**

*The Safe System Approach & Technical Innovation*

**Mauro Razuk Filho**

*Association of Proton Pump Inhibitors with Graft Loss and Mortality in Lung Transplant Recipients".*

**Humanitarian Health Concentration**

**Room W3030**

**8:30 AM**

**Moderators: Courtland Robinson**

**Shannon Doocy**

**Hasina Alokozai**

*Development and implementation research protocol for study modalities to increase Coverage and adherence to multiple micronutrient Supplement for Pregnant women in Afghanistan*

**Sani Fatima**

*Reducing Prevalence of Forced Labor in the Brick-kiln Industry in Pakistan: An Intervention Evaluation*

**Anika Gnaedinger**

*Predictive Modeling of Traumatic Injury in Gaza*

**Tim Groteclaes**

*Equity of Maternal and Child Health Services in Afghanistan: A Spatiotemporal Analysis of National Survey Datasets*

**An Ly**

*Exploring Cross-Border Forensic Medical Evaluations for Humanitarian Parole and Title 42 Exemption*

**Syed Haroon Tora**

*Long-term Analysis of Outcomes of Low-Grade Blunt Pediatric Pancreatic Trauma Management Across the United States*

***Infectious Diseases Concentration***

**Room W2029**

**8:30 AM**

**Moderators: Noreen Hynes**

**Photini Sinnis**

**Joshua David**

*Vaccine adverse events associated with high consequence pathogen vaccinations*

**Kirabo Tess Ayazika**

*Applications of CRISPR in the elimination of persistent viruses. Is there hope for a cure?*

**Ahmed Elbordiny**

*Most new HIV infections, vertical transmissions and AIDS related deaths occur in lower prevalence countries*

**Hannah Goodtree**

*An Exploration of the Effectiveness of Quarantine and Isolation as Interventions for Pandemics: A Project Break Glass Case Study of Ebola and COVID-19*

**Alexandra Johnson**

*Preparing Health Care and Public Health Collaborating Systems to Respond to High Consequence Pathogens*

**Marzieh  
Keshtkarjahromi**

*Evaluation of autonomic dysfunction in patients with diagnosis of Lyme disease or Post-treatment Lyme Disease (PTLD)*

**Ayush Kumar**

*Exploring Mpox awareness and transmission considerations among Black sexual minority men in Baltimore*

**Katherine Palmer**

*Advancing Awareness of the Public Health Implications of Lyme Disease Research.*

**Shiyun Zheng**

*Ethical Analysis of Human Challenge Studies: Reasons Why Compensation Should Be Offered to Human Challenge Study Participants*

**Public Health Topics I**

**Room W2017**

**8:15 AM**

**Moderators: Keith West**

**Abigail Arthur**

**Jacquelyn Bedsaul-Fryer**

Effect of maternal multiple micronutrient vs iron-folic acid supplementation on maternal morbidity in late pregnancy in the JiVitA-3 randomized trial

**Sarumathi Kullappan Sankaran**

Replacing Salt with Herbs and Spices to reduce Hypertension

**Hannah Cowley**

*Differential expression analysis in post-mortem brain samples of bipolar disorder patients treated with and without lithium*

**Liz Hamilton**

*Examining the Net Environmental Impact of Vaccines – A Literature Review and Framework Proposal*

**Anitha Iyer-Kothari**

*Mental Health Equity Dashboard*

**Caroline Kupchella**

*Understanding & Addressing Family Planning Access and Uptake Among Adolescent Girls and Young Women (AGYW) in Mwanza, Tanzania to Improve Program Outcomes*

**Madelin Martinez**

*Empowering Community Health Workers: Advocating for Equity and Sustainability in Maryland*

**Brianna Moody**

*Cultural Shame and Inherited Disdain: An Evaluation of How Personal and Societal Stigma and Systems Influence Health-Seeking Behaviors within Marginalized Populations in the United States*

**Bobby Pourier**

**Public Health Topics II**

**Room E6519**

**8:30AM**

**Moderators: Randy Bryant**

**Nana Serwah Adofo-Ansong**

**Christopher Moynahan**

*Peer Support Service Integration Across the Justice System for Individuals with SUD*

**Aneri Pattani**

*Preliminary Evaluation of a Massive Open Online Course to Teach Journalists Responsible Suicide Reporting*

**Vidhi Patel**

*Lessons Learned in RSV Implementation to Inform Recommendations for Maternal Vaccine Introduction in LMICS*

**Hailey Ramsey**

*Impacts of Dobbs v. Jackson Women's Health Organization on Military Servicewomen and their Careers.*

**Julien Rashid**

*(Re)moving the Needle: US Policy Options for Accelerating the Development of Microneedle Array Patch Vaccines for Global Health and Pandemic Preparedness*

**Laila Zomorodian**

*Comparative analysis of ventilator-associated pneumonia rates after early vs. late tracheostomy for traumatic brain injury patients in Ethiopian ICUs: A secondary data analysis*

**Jasmine Abdi**

*Community-Engaged Strategies and its Equity Implications for Reducing Mental Health Disparities among Somali-Americans*

**Mazin Ali Mahmoud**

*Assessing Mental Health Issues and Resource Utilization Among Graduate Students at Johns Hopkins Bloomberg School of Public Health: A Strategy for Improved Support and Cross-Institutional Framework Development*

**Public Health Topics III**

**Room W2015**

**8:30 AM**

**Moderators: Meghan Davis**

**Zeba Nauroz**

**Fahad Alkahtani**

*Australian Refined Diagnosis-related Group Implementation in The Saudi Private Health Insurance Market: Value-Based Care for Vision 2030*

**Vincent Anani**

*Proposal of the Consortium for access to quality healthcare, effective health education, and mental health resources for underserved populations*

**Savannah Bachman**

*At The Intersection Of Gender And Race: Suicide Risk Among Black Men*

**Sanaa Badhwar**

*Vaccine Hesitancy in Pregnant Individuals*

**Tanvi Bafna**

*Systematic Review of Well-Being Interventions for Minority Healthcare Workers*

**Nina Carr**

*A Landscape Analysis of State School Health Councils and Coalitions in the U.S.: A Mixed-Methods Formative Research Proposal*

**Emily Cassio**

*Cost-benefit analysis of increasing the fruit and vegetable cash value benefit for WIC participants*

**Public Health Topics IV**

**Room W4013**

**8:30 AM**

**Moderators: Jeffrey Hardesty**

**Himel Chowdhury**

**Sophihana Dilek**

*Policy analysis of Medicare coverage regarding genetic testing for cancer treatment eligibility*

**Emily Dunsmore**

*A process and implementation evaluation of Centro Sol's Youth Summer Scholars program to reduce inequities in diversifying the healthcare workforce for Latin-origin immigrant youth in Baltimore City.*

**Gleni-Kay Falloon**

*Investigating the Role of Staphylococcus aureus in Severe Pneumonia with Pleural Effusion in Children*

**Laurel Gibson**

*The association between direct and vicarious forms of anti-LGBTQ+ discrimination on the health outcomes of LGBTQ+ older adults*

**Aryamawit Neway  
Habteyesus**

*Investigating the intersection between racism and gender norms in suicide research*

**Shafat Hassan**

*The Darker Side of Day Light: Exploring the Link between UV Exposure and Opioid Addiction*

**Madison Hearn**

*National Trends and Outcomes associated with Intraoperative Nerve Monitoring Utilization for Thyroidectomy*

**Madiha Ilkalwale**

*The darker side of daylight: Exploring the link between UV exposure and opioid addiction*



**Public Health Topics V**

**Room W2030**

**8:30 AM**

**Moderators: Andrea Ruff**

**Emily Kumpf**

**Faizah Kabir**

*What are the risk factors for severe respiratory infections for pediatric patients in rural Zambia?*

**Sarah Kolk**

*Strategies for Assessing Public Health Governance and Organizational Capabilities in Maryland*

**Samarth Krishna**

*Exploring the Intersection of Race and Gender-Affirming Care: Racial Experiences Among Transmasculine and Transfeminine Individuals*

**Wan-Hua Lin**

*E-cigarette Marketing on Social Media in China*

**Jiaqi Liu**

*Timing of VTE Prophylaxis Following Firearm-related Traumatic Brain Injury*

**Niharika Lnu**

*Design and evaluation of timed and targeted counseling in Eastern and Western Samar, Philippines*

**Ashley Maldonado**

*Associations Between Anthropometric Measures and Sapovirus Infection Risk Among Children in a Peri-Urban Community of Peru*

**Mauli Mehta**

*Investigating the associations between environmental factors and prognosis of psychotic disorders*

**MPH/MBA Program I**

**Room E9519**

**8:30 AM**

**Moderators: Stefan Baral    David Chin    Paul Whong**

**Joy Acha**

*Burden of Missed Opportunities for Vaccination in India; A Systematic Literature Review*

**Pineal Bareamichael**

*Comparative Analysis of Dry Eye in Patients With and Without Sjögren's Disease*

**Daniel Irowa-Omoregie**

*Equity in AI-driven healthcare: A comparison of coverage and utilization of AI tools for disease management in the U.S*

**Ana Katsafanas**

*Excess mortality among adults with opioid use disorder in the United States: a literature review*

**Mark Lucia**

*Evaluating Drug Administration Routes and Overdose Risk in the COVID-19 Era*

**Jessica Mambula**

*Analyzing Health-Seeking Patterns Among Out-of-School Adolescent Girls in Northern Nigeria and Identifying Key Institutions and Channels for HPV Vaccine Engagement and Coverage*

**Yuna Nakayasu**

*Application of GPT-4 with Vision (GPT-4V) to Support Decision-making in Emergency Medicine Using Japanese Specialty Board Certification Exam*

**Godson Ndubueze**

*Treatment outcomes among young persons living with HIV who transitioned to adult care in Southern Nigeria: A retrospective cohort study*

***Epi & Biostat Methods for Public Health & Clinical Research Concentration IV***    **Room W3008**

**11:00 AM**

**Moderators: Rosa Crum**

**Paul Rebman**

**Carrinton Mauney**

*Evaluating sex and race-based disparities in treatment of pediatric solid organ injury at pediatric vs. adult trauma centers*

**Aye Hnin Moe**

*Risk factors analysis for early and late recurrence of tuberculosis (TB).*

**Abdulhafeez Mustapha**

*Timeliness of routine immunizations in low- and middle-income countries*

**Chijindu Nwakama**

*The Impact of Dietary Intervention on Renal Health in African American Adults with Controlled Hypertension: Revisiting the ‘Rice Plus Nuts and Beans’ Randomized Control Trial*

**Nicholas Ofori**

*Effect of Marijuana Use on the Severity of Respiratory Symptoms Among HIV Patients in Baltimore, Between January and December, 2023.*

**Osadebamwen Osaghae**

*Effectiveness of Digital versus In-person Diabetes Prevention Programs*

**Daniel Ospina Delgado**

*Sociodemographic Factors Associated with Firearm Injury Recidivism in the State of Maryland*

**Ahmad Ozair**

*Machine Learning-Based Prediction of Inpatient Care Costs and Length of Stay for Patient with Brain Metastases: A Real-World Analysis.*

***Epi & Biostat Methods for Public Health & Clinical Research Concentration V Room W2008***

**11:00 AM**

**Moderators: Marie Diener-West**

**Yi Wang**

**Chunlin Ren**

*Impact of various variables on the probability of ever achieving a therapeutic level of vancomycin in inpatients at Johns Hopkins Hospital.*

**Ayesha Sadiq**

*Surgical Approach and Outcomes after Penetrating Trauma to the Femoral Artery*

**Samandika  
Saparamadu**

*The prevalence of viral infections among those who use dietary supplements to boost the immune system among U.S. adults from 2011 to 2016: a cross-sectional study*

**Shivani Shirodkar**

*To characterize the relationship between cardiac stroke volume and cardiometabolic syndrome*

**Natalia Sifnugel**

*Maternal Adverse Childhood Experiences, Financial Stress, and Pro-inflammatory Cytokine Expression in Pregnancy.*

**Aakriti Suresh**

*Exploring spatial and temporal distribution of gun violence in Baltimore city, Maryland*

**Meghana Tallam**

*Vaccine Advocacy for Childhood Immunizations in Varanasi, India*

**Biruk Teshome**

*Association of life's essential eight with Cerebrovascular mortality in NHANES 2005 - 2018.*

***Epi & Biostat Methods for Public Health & Clinical Research Concentration VI Room W5008***

**11:00 AM**

**Moderators: John McGready Alyssa Columbus**

**Terrence Tsou**

*Practice Patterns of Peripheral Vascular Interventions for Peripheral Artery Disease in the Office-Based Laboratory Setting versus Outpatient Hospital*

**Siddharth Venkatraman**

*Pharmacologic Management of Diabetes among Adults with Chronic Kidney Disease*

**Elizabeth Walker**

*Investigating the polygenetic regulators of CLCN2 in psychotic disorders*

**Erin Wang**

*Characterization of Xylazine-Related Overdose Deaths in Maryland (2020-2022)*

**Nathnael Woldehana**

*Robotic-Assisted vs. Laparoscopic Cholecystectomy in Acute Care Surgery*

**Ekua Yeboah**

*Assessing the uptake of major vaccines among Chronic Kidney Disease Patients in a US representative population.*

**Cha-Shien Yen**

*Literature Review for Injectable Contraceptives Lessons Learned to Guide the Implementation of Injectable PrEP in Low-Resource Countries*

**Kehinde Tom-Ayegunle**

*Geriatric syndromes in older adults at risk for cardiovascular disease with analysis from ARIC visit 5*

**Health Systems & Policy Concentration IV**

**Room W4007**

|                             |   |
|-----------------------------|---|
| <b>11:00</b>                | <b>Moderators: Mary Fox     Dustin Gibson     Lauren Barrow</b>   |
| <b>Aseel Salih</b>          | <i>The use of artificial intelligence to improve healthcare delivery and outcomes in low-and middle-income countries</i>                |
| <b>Maria Sandoval Navas</b> | <i>Bridging the Gap: Policy Recommendations for Healthcare Access Among Undocumented Immigrants in the United States</i>                |
| <b>Cameron Smith</b>        | <i>Enhancing Nutrition Policy Effectiveness through Improved Nutrition Surveillance Systems in Nigeria</i>                              |
| <b>Fadiya Soekotjo</b>      | <i>Strategic Framework for Sugar-Sweetened Beverage Tax Policy in Indonesia: Comparative Insights from Southeast Asian Case Studies</i> |
| <b>Amit Talwar</b>          | <i>Feasibility and validity of NCD behavioral risk factors estimates in Colombia using Whatsapp as compared to IVR</i>                  |
| <b>Surabhi Taori</b>        | <i>Development of a protocol for a systematic review to explore the interlinkages between One Health and NCDs.</i>                      |
| <b>Maan Nazer</b>           | <i>Leveraging Enhanced Interoperability in National Health System</i>   |
| <b>Tori Tavormina</b>       | <i>U.S. Affordable Housing Policy Literature Review</i>   |

**Public Health Topics VI**

**Room W2030**

**11:00 AM**

**Moderators: Andrea Ruff**

**Emily Kumpf**

**Shobha Mehta**

*Principles and Practical Recommendations for More Effective Public Health Communication*

**Yoshiko Nagahama**

*Arterial Stiffness and Subsequent Risk of Incident Diabetes Mellitus: The Atherosclerosis Risk in Communities (ARIC) Study*

**Marie Odile  
Ndayishimiye Uwineza**

*Pregnant Women with Disabilities' Autonomy and Decision Making in Maternal and Newborn Health/Delivery*

**Ryan Nicholson**

*Association of Cannabis Versus Other Substance Use Disorders with Psychiatric Conditions: A Propensity-Matched Retrospective Cohort Analysis*

**Sarah Osei-Frimpong**

*Strengthening Emergency Care Research Quality: The role of mid-study PDSA in a multisite project in Ghana*

**Nidhi Pai**

*Identifying Drivers of Unplanned Hospital Readmissions at Howard County Medical Center: A Descriptive and Predictive Study*

**Nathina Pakade**

*Evaluating the Fidelity and Impact of the Modified Implementation strategies of the PrEP R01 Cluster Randomised controlled in South Africa*

**Public Health Topics VII**

**Room E6519**

**11:00 AM**

**Moderators: Randy Bryant**

**Khusbu Balsara**

**Bhavishya Pancharathi**

*Association between maternal social capital, maternal age, and breastfeeding practices*

**Sharmini  
Rathakrishnan**

*Driving Change: Navigating Migrant Worker Road Safety in Singapore using a Safe Systems Approach*

**Rachel Rattenni**

*Assessing the Baseline Needs of Four Jails in Caring for Pregnant Incarcerated Individuals with Opioid Use Disorder*

**Sagnik Ray**

*A scoping review to identify exposures or risk factors that co-occur and contribute to heat-related illness in workers*

**Katya Saksena**

*Assessing strategies to improve participation in mobile phone surveys for non-communicable diseases: Randomized studies from Bangladesh, Colombia, and Uganda*

**Tarun Srivastava**

*A comparison of household and mobile phone surveys for NCD risk factors in Bangladesh*

**Misker Teka**

*Policy Analysis on Prevention of HIV/AIDS in racial minorities in the United States.*



**Public Health Topics VIII**

**Room W2017**

**11:00 - 1:00**

**Moderators: Keith West**

**Abigail Arthur**

**Hassan Salih**

*Evaluating the Effectiveness of Aquatabs in Cholera Case Area Targeted Interventions (CATIs) in Northern Nigeria*

**Koichiro Tomiyama**

*Predictors of the multiple opioid overdose among people who inject drugs*

**Maxwell Tran**

*An analysis of media reporting on gun incidents involving minors in Pennsylvania*

**Fonthip Watcharaporn**

*The Role of Minimally Invasive Surgery within ERAS Protocols in Reducing POI*

**Clare Weber**

*Prevalence of and Patient Characteristics associated with Minimally-Invasive Glaucoma Surgery (MIGS) Use at the Time of Cataract Surgery: A Medicare Analysis*

**Jun Yokokawa**

*The Association of the Heart Failure Stages with Cognitive Function*

**Wahid Youssef**

*Randomized, double-blind clinical trial protocol to test the safety and efficacy of a novel therapy for rare cardiac disease*

**Farheen Zafar**

*Impact of trade liberalization and globalization on obesity in India*

**MPH/MBA Program II**

**Room E9519**

**11:00 AM**

**Moderators: Stefan Baral    David Chin    Paul Whong**

**Ali Aahil Noorali**

*Navigating pathways toward optimal, sustainable, and effective patient-centric cardiovascular care: A 15-year Scoping Review (2009-2023) of Community-Based Interventions and Collaborative Care Models*

**Matthew Potter**

*Utilization and benefits of a digital health referral app in South Africa's public health system*

**Irene Quarshie**

*Enhancing Patient Safety: A Comprehensive Literature Review on Predictive Data Markers for Clinical Deterioration in General Ward Patients*

**Sanjana Roy**

*Pathways to HPV single-dose decision-making in ~20 LMICs*

**Ishani Sheth**

*Decision-making considerations in the adoption of a single-dose HPV vaccination schedule in 19 Gavi-eligible countries: a qualitative study*

**Berchmans Uwimana**

*Leveraging the polio infrastructure to integrate COVID-19 vaccination and routine immunization in hard-to-reach areas of South Sudan: A CORE Group Partners Project experience*

**Muneeb Zaidi**

*Integrating Physical Rehabilitation into Primary Care in Underserved Areas*

**Keqing Zhu**

*Psychometric issues of measurement equivalence when the National Surveys on Drug Use and Health shifted from its standard in-person computerized self-interview to web-based cloud-dataset assessments*

# Master of Public Health

## MPH CAPSTONE AWARD RECIPIENTS

May 2024

Special honors are given to the 14 students listed below for their capstone written projects. These students will receive an MPH capstone award plaque for outstanding achievement.

### **Tess Ayazika**

*“Applications of CRISPR in the Elimination of Persistent Viruses: Is There Hope for a Cure?”*

Capstone Advisor: Gary Ketner

### **Amanda Brosnan**

*“Adolescent Sexual Health: Program Evaluation and Quality Improvement in a Health Care System”*

Capstone Advisor: Maria Trent

### **Panqin Cai**

**Department of Environmental Health and Engineering MPH Capstone Award- Recipient of \$300 Prize**

*“Microbial Biopesticides: A One Health Perspective on Benefits and Risks”*

Capstone Advisor: George Dimopoulos

### **Ugochinyere Ejiogu**

**MPH Capstone Award of Distinction- Recipient of \$500 Prize**

*“A Spatial Analysis of Demographic Disparities in Outpatient Mental Health Service Utilization among Children and Adolescents”*

Capstone Advisor: Michael Desjardins

### **Casey Geddes**

*“Conveying the Impact of Climate Change on Health via Narrative Storytelling”*

Capstone Advisor: Lauren Czaplicki

### **Marissa George**

**Center for Health Security MPH Capstone Award- Recipient of \$150 Prize**

*“A Comparative Case Study of Complete Border Closures in New Zealand and the United Kingdom”*

Capstone Advisor: Tara Kirk Sell

### **Hannah Goodtree**

**Center for Health Security MPH Capstone Award- Recipient of \$150 Prize**

*“An Exploration of the Effectiveness of Quarantine and Isolation as Interventions for Pandemics: A Project Break Glass Case Study of Ebola and COVID-19”*

Capstone Advisor: Crystal Watson

### **Tim Groteclaus**

*“Equity of Maternal and Child Health Services in Afghanistan: A Spatiotemporal Analysis of National Survey Datasets”*

Capstone Advisor: Nadia Akseer

### **Rachel McFadden**

*“Barriers at the Bedside: Measuring and Reducing Substance Use Disorder Stigma among Hospital-based Nurses”*

Capstone Advisor: Alene Kennedy-Hendricks

**Master of Public Health**  
**MPH CAPSTONE AWARD RECIPIENTS**  
**(cont'd)**  
**May 2024**

**Victoria Michels**

*“Neuroplastic Pain: A Communications Strategy Proposal for Chronic Pain Patients”*  
Capstone Advisor: Rajiv Rimal

**Ryan Nicholson**

*“Association of Cannabis Versus Other Substance Use Disorders with Psychiatric Conditions:  
A Propensity-Matched Retrospective Cohort Analysis”*  
Capstone Advisor: Johannes Thrul

**Sharmini Rathakrishnan**

**Center for Injury Prevention and Policy MPH Capstone Award- Recipient of \$300 Prize**  
*“Navigating Migrant Worker Road Safety in Singapore Using a Safe System  
Approach: A Policy Analysis”*  
Capstone Advisor: Jon Vernick

**Aakriti Suresh**

*“Exploring Spatial and Temporal Distribution of  
Gun Violence in Baltimore City, Maryland”*  
Capstone Advisor: Michael Desjardins

**Anthony Yi**

*“Prevalence of Chronic Airflow Obstruction and Population Attributable Fraction  
from Different Risk Factors in Cartagena, Colombia: a Cross-Sectional Observational  
Study”*  
Capstone Advisor: Vanessa Garcia Larsen