

**Jefferson College of Nursing**

**2023 – 2024**

**Jefferson Center for Infection Prevention  
& Antibiotic Stewardship (CIPAS)**

**Annual Report**

# Year in Review

## A Message from the Director

Dear Friends, I'm excited to share the CIPAS 2023-2024 Annual Report with you! It highlights our Center's ongoing research, collaborative efforts, recent publications, and accomplishments. We stand committed to leveraging the knowledge, expertise, and perspectives of the Jefferson community and beyond in discovering new ways to tackle problems of infection prevention and antibiotic resistance.

## Forging an Academic Practice Partnership in Infection Prevention

On March 6, 2024, CIPAS convened a one-day invitational workshop focused on establishing an academic- practice partnership with Jefferson Health's infection prevention and control program. The workshop included presentations and small group work among expert inter-professional participants from IPC, nursing faculty and students, health system nursing, public health, and research. Participants identified several collaborative opportunities for JCN students, faculty and Enterprise IPC program leaders. To find out more about the workshop, please visit [Jefferson.edu/CIPAS](https://Jefferson.edu/CIPAS).



Drs. J. Renzi, V. Clary-Muronda, A. Miller, S. Embick, J. Hayes, K. Zabriske, M. Kerr, S. K. Romano, ML. Manning, S. Egger, M. Bouchaud. Missing: M. Vacca

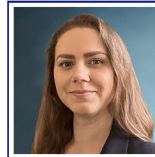
## Administrative Team



Mary Lou Manning, PhD, CRNP, CIC, FSHEA, FAPIC, FAAN  
Professor  
Director, CIPAS  
Senior Associate to the Dean



Monika Pogorzelska-Maziarz, PhD, MPH, CIC, FAPIC, FSHEA  
Associate Professor  
Assistant Director, CIPAS



Julia Kay, BFA, PMP  
Program Director, CIPAS

## Speaking at the World Antimicrobial Resistance (AMR) Congress

On September 5, 2023, Dr. Manning spoke at the World AMR Congress, the world's largest AMR event for all stakeholders combating antimicrobial resistance. She was joined in a fireside chat with two clinical pharmacists from Providence Regional Medical Center to discuss the facilitators and barriers of infection preventionists and pharmacists' engagement in hospital and community-based antibiotic stewardship strategies.



Drs. B. Prael, K. Currie, ML. Manning

# Publications

## Highlights



**Manning ML**, Renzi J. The business model canvas: A tool to enhance nurse business acumen. *Nurse Leader*. 2024 Jun 3;22(3):303-307.



**Manning ML**, Cavaliere N, Rainer SR, **Hess B**. The urgent need for nurse practitioners to slow antibiotic resistance and advance health equity through appropriate antibiotic prescribing. *Journal of the American Association of Nurse Practitioners (JAANP)*. 2024 Feb 1;36(2):86-9.



Zukowsky K, Savin M, **Manning ML**. Neonatal nurse and nurse practitioner engagement in antibiotic stewardship: A call to action. *Advances in Neonatal Care*. 2024 Jun 1;24(3):209-211.



Gripp EW, **Hess BD**, Binder AF. Utility of respiratory pathogen panels in the outpatient oncology setting. *American Journal of Medical Quality*. 2023 Nov 1;38(6):294-299. Epub 2023 Nov 1.



**Manning ML** & Kradel-Weitzel M. Nurse engagement in antibiotic time-outs: The collaborative process of leveraging design to disseminate research findings. *Journal of Nursing Scholarship*. 2023 Sep 8:00, 1-5.



Merrill K, Cervantes D, Hebden JN, **Pogorzelska-Maziarz M**, Piatek D, Monsees E, Hessels A. Infection preventionists in public health, consultant and academic roles: Results from the 2020 APIC megasurvey. *American Journal of Infection Control*. 2023 Sep 7:S0196-6553(23)00606-5.



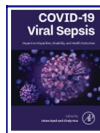
**Pogorzelska-Maziarz M**, de Cordova P, **Manning ML**, Johansen M, Grafova I, Gerolamo A. Voices from frontline nurses on care quality and patient safety during COVID-19: An application of the Donabedian model. *American Journal of Infection Control*. 2023 Aug 23:S0196-6553(23)00577-1.



Amaefule AQ, Litvintchouk A, de Cordova P, Maio V, **Pogorzelska-Maziarz M**. Reevaluating the significance of infection preventionists and infection prevention and control departments in the post-COVID-19 era. *American Journal of Medical Quality*. 2023 Jul-Aug 01;38(4):206-208.



Patel P, **Hou C**, **Manning ML**. Factors influencing antibiotic prescribing by nurse practitioners: A quantitative pilot study using the theory of planned behavior. *Journal of the American Association of Nurse Practitioners (JAANP)*. 2023 Nov 1;35(11):684-690.



Syed, U., & **Hou C**. (Eds.). (2023). COVID-19 viral sepsis: Impact on disparities, disability, and health outcomes. Elsevier.

# Research

## Highlights

### 2022-2025 Prevention of Infections through Appropriate Staffing (PITAS) Study (R01HS029023)

Agency for Healthcare Research and Quality

PIs: **M. Pogorzelska-Maziarz & P. de Cordova (Rutgers University)**

Co-Investigators: **ML. Manning, V. Maio (JCPH), B. George (JCPH), S. Keith (SKMC)**

The aims are to 1) describe the evolution of infection prevention and control (IPC) programs from 2011 to 2019 and determine the effectiveness of IPC staffing, infrastructure and processes in preventing healthcare-associated infections (HAI) in acute care hospitals, 2) quantify the impact of the COVID-19 pandemic on IPC departments, HAI rates and rates of antibiotic resistance in acute care hospitals, 3) develop an in-depth understanding of the impact of COVID-19 on infection preventionists, IPC resources and IPC practices in acute care hospitals.

### 2023-2024 Penicillin Allergy Delabeling in Children Research Award

Jefferson-Nemours Pediatric Award for Clinical Research

PIs: **M. Pogorzelska-Maziarz & S. Hwang (Nemours Children's Health)**

Co-Investigators: **ML. Manning, E. Monsees (Children's Mercy - Kansas City), E. Carter (UCONN)**

The aims are to 1) Describe primary care provider perspectives of reported penicillin allergies and attitudes towards recommended penicillin allergy delabeling in children at three study sites: Nemours Children's Health- Delaware Valley, Children's Mercy – Kansas City and Connecticut Children's Clinically Integrated Network, 2) Examine parental knowledge of penicillin allergy labels and attitudes towards penicillin allergy delabeling through electronic surveys of parents/guardians of children with penicillin allergies from the three study sites.



### 2023-2025 Establishing an Academic-Practice Partnership to Advance Infection Prevention Baccalaureate Nursing Education and Practice: A Pilot Study

Association for Professionals in Infection Control and Epidemiology (APIC)

PI: **ML. Manning**

The goal of this project is to implement an academic-clinical practice partnership between the Jefferson College of Nursing and Jefferson Health's infection prevention and control program.

## Awards and Recognition



**Cindy Hou** received the 2023 TJU Faegre Drinker Healthcare Hero Award - this award recognizes a healthcare professional, caregiver, or worker whose skillful performance and deep compassion exemplify Jefferson's commitment to always putting people first.

**Julia Kay** received Project Management Professional certification.



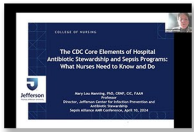
# Presentations

## Invited CIPAS Lecture

During International Infection Prevention Week 2023, CIPAS hosted **Heather Gilmartin, PhD, NP**, research health scientist with Veterans Health Administration, to speak on the Art and Science of Infection Prevention: Lessons From the Field.



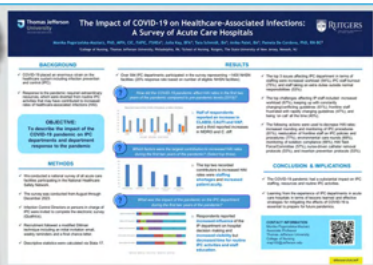
## Faculty Presentations



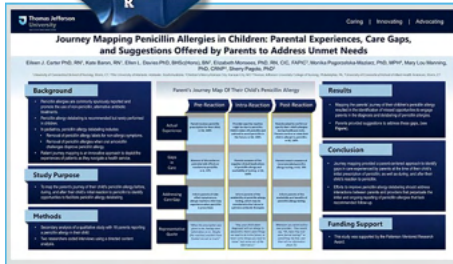
**Dr. Manning** presented on The CDC Core Elements of Hospital Antibiotic Stewardship and Sepsis Programs: What Nurses Need to Know at the Sepsis Alliance AMR Conference April 2024.



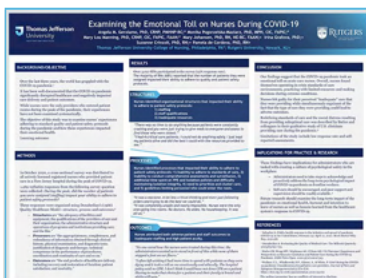
**Dr. Su Kyung Kim** presented "Now I Know mHealth intervention promoting HPV vaccine completion among young women attending federally supported clinics" at the Eastern Nursing Research Society Scientific Session, Boston, MA. April 5, 2024.



**Poster presentation** at the 2024 Society for Healthcare Epidemiology of America (SHEA) Spring Conference in Houston, TX. Recognized as a top poster. "The Impact of COVID-19 on Healthcare-Associated Infections: A Survey of Acute Care Hospitals".



**Poster Presentation** at the October 2023 IDWeek Annual Meeting in Boston, MA. "Journey Mapping Penicillin Allergies in Children: Parental Experiences, Care Gaps, and Suggestions Offered by Parents to Address Unmet Needs".



**Poster Presentation** at the October 2023 IDWeek Annual Meeting in Boston, MA. "Examining the Emotional Toll on Nurses During COVID-19".



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