

# GERIATRIC EMERGENCY CARE APPLIED RESEARCH NETWORK 2.0-



**GEAR**  
Geriatric Emergency care  
Applied Research

## ADC NEWSLETTER

WINTER 2025

[HTTPS://GEARNETWORK.ORG/](https://gearnetwork.org/)

We are excited to share the latest updates from the Geriatric Emergency care Applied Research 2.0 – Advancing Dementia Care Network (GEAR 2.0-ADC). Over the past four years, GEAR 2.0-ADC has been instrumental in advancing research and improving care for persons living with dementia. To date, we have funded a total of 9 pilot projects across diverse areas, including dementia care, fall-risk reduction, and care transitions following emergency department discharge.

### Pilot Projects Funded

Our program has supported these projects over three award periods. These initiatives have produced significant outcomes, including 5 manuscripts, 3 manuscripts in review or to be submitted, and 11 abstracts, talks, and presentations. The GEAR 2.0-ADC pilot awardees have submitted 8 grant applications, including proposals to the National Institute on Aging (NIA) and the Yale Clinical and Translational Science Award (YCCI). One award was received from SAEM.

- 8** MANUSCRIPTS
- 11** ABSTRACTS, TALKS AND PRESENTATIONS
- 9** GRANT APPLICATIONS SUBMITTED/ AWARDED

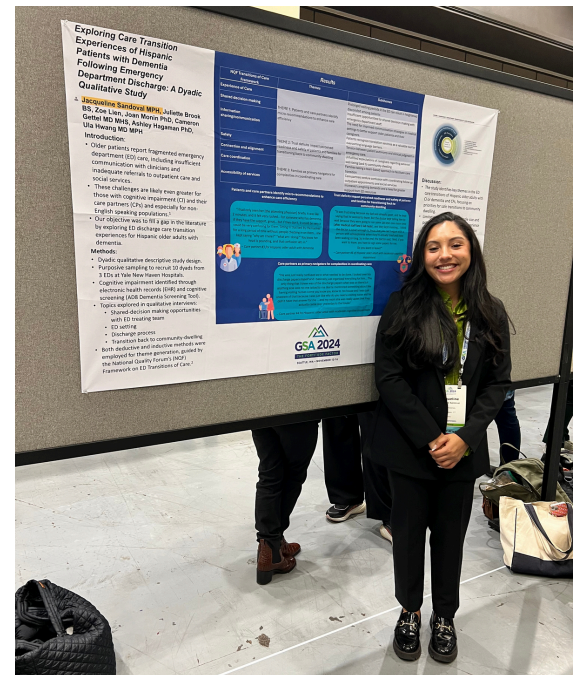
### LATEST ACCOMPLISHMENTS :

- GEAR 2.0 Presentations at the Alzheimer's Association International Conference 2024: Dementia & Emergency Care: Directions, Opportunities & Future Considerations (Panel Co-Chairs: Neelum Aggarwal, Christopher Carpenter, Scott Dresden, Cameron Gettel, Ula Hwang, Manish Shah)



# NOTEWORTHY ACHIEVEMENTS

- **Diversity Supplement Awardee:**
  - Jacqueline Sandoval, (pictured to the right) presented "Fostering Inclusive Partnerships: Approaches and Considerations in Involving Persons Living with Dementia and Care Partners in Defining Emergency Research Priorities" at GSA 2024.
- **Grand Rounds:**
  - "The Other Great Dementia Breakthrough" by David Reuben, MD (Inaugural Grand Rounds, February 27, 2024)
  - "The First 5 Years of the IMPACT Collaboratory: Building Infrastructure to Conduct Pragmatic Trials in Dementia Care" by Drs. Susan Mitchell and Vincent More (October 15, 2024)



## GEAR-Inspired Work:

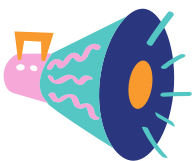
- **ED-LEAD:** This initiative aims to improve care for Persons Living With Dementia (PLWD) and their care partners by addressing both emergency and post-emergency care through three intervention types: 1) Emergency Care Redesign (ECR), 2) Nurse-led Telephonic Care (NLTC), and 3) Community Paramedic-led Transitions Intervention (CPTI).
- **ENA24:** The Emergency Nurses Association Annual Meeting in Las Vegas included a 4-hour GEAR initiated workshop exploring potentially health inequities in providing care for and/or researching geriatric emergencies based on work recently published in the Journal of the American Geriatrics Society (<http://pmid.us/38994587>) that was supported by GEAR. .

Scan to see a 15-minute podcast synthesizing that ENA24 session. The full workshop is available for purchase from ENA.



## GEAR-Inspired Work:

- **Clin-STAR 2024 Annual Meeting Part 1:** The GEAR Network was highlighted in two sessions during the Clinician-Scientists in Transdisciplinary Aging Research (ClinSTAR) Annual meeting in Chicago on November 19-20, 2024. First, NIA Program Officer Sue Ziemann presented the history of the American College of Cardiology Geriatric Cardiology Section as an example of how to infiltrate specialty society's as a Trojan horse. At the end of her presentation she highlighted GEAR as one of the NIA-supported networks to emulate.
- **ClinSTAR 2024 Annual Meeting Part 2:** Second, Dr. Chris Carpenter from the GEAR Network co-led a small group session on "Geriatricizing Emergency Medicine - A Brief History" that provided early career investigators with interest in aging from social work, nursing, physical therapy, pharmacy, medicine, and surgery with a snapshot of how interest in geriatric emergency medicine was cultivated over the last 20 years by engaging educators with graduate medical education curricula, researchers with high-yield clinically relevant questions, and operational leadership with actionable clinical practice guideline recommendations. The role of GEAR and our transdisciplinary partnerships and sustained engagement with persons living with dementia were highlighted. Attendees to this session were engaged with multiple questions that went on until nearly 30 minutes after the session ended.



## GRANTEE SPOTLIGHT

Dr. Cameron Gettel, a Gear 2.0-ADC pilot award grantee, presented with GEAR 2.0 leadership at AAIC 24. Learn more about our pilot award grantees and their accomplishments below.





# YEAR 1 GEAR 2.0-ADC PILOT AWARD GRANTEES

(2022-2023)

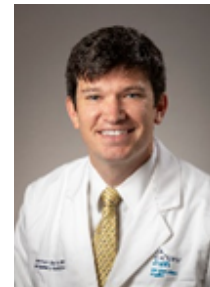
## PILOTS AND ACCOMPLISHMENTS



### Cameron Gettel, MD

Yale University School of Medicine

Project: ED-to-community care transitions for persons living with dementia and care partners: development, implementation, and pilot testing of a novel artificial intelligence + care coach intervention



#### Publications:

1. Galske, J., Dorai, C., Gil, H., Chera, T., Stern, E., Keefe, K., DeFrancesco, E., & Gettel, C. J. (2024). Lessons learned from a design thinking workshop: Intervention design involving persons living with dementia and care partners. *Journal of the American Geriatrics Society*, 72(1), 282-285. <https://doi.org/10.1111/jgs.18576>
2. Chera, T., Tinetti, M., Travers, J., Galske, J., Venkatesh, A. K., Southerland, L., Dresden, S. M., McQuown, C., & Gettel, C. J. (2024). "What Matters" in the Emergency Department: A Prospective Analysis of Older Adults' Concerns and Desired Outcomes. *Medical care*, 62(12 Suppl 1), S50-S56. <https://doi.org/10.1097/MLR.0000000000002053>.
3. Manuscript in Review with *Alzheimer's & Dementia: The Journal of The Alzheimer's Association*.

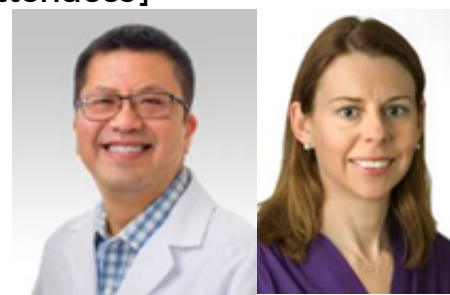
#### Presentations:

1. Dorai C, Gettel CJ, Stern E, Seetharam S, Nagaraj S, Raveendranathan V, Balaganesh S, Pandey S, Galske J, Chera T, Gil H, Keefe K. Development of a novel artificial intelligence assistive technology intervention for persons living with cognitive impairment and care partners experiencing emergency department care transitions. American Telemedicine Association, Phoenix, May 2024 (oral abstract).
2. Gettel CJ, Gil H, Dorai C, Galske J, Chera T, Keefe K, Stern E, DeFrancesco E. Development and pilot testing of a novel artificial intelligence and care coach intervention for persons living with cognitive impairment and care partners experiencing emergency department care transitions. Alzheimer's Association International Conference, Philadelphia, July 2024 (Perspectives Session oral presentation).
3. "Advancing the science: caregivers, dementia, and the emergency department." Alzheimer's Association Connecticut Chapter, Virtual, 2024. [Invited webinar, 60 attendees]

### Alexander Lo, MD, PhD and Megan McHugh, PhD

Northwestern University Feinberg School of Medicine

Project: Improving Emergency Department Care and Care Transitions: Perspectives of Persons Living with Dementia and their Care Partners



#### Publication:

McHugh, M. C., Muschong, K. M., Bradley, S. M., & Lo, A. X. (2024). Perspectives from persons living with dementia and their caregivers on emergency department visits, care transitions, and outpatient follow-up: A qualitative study. *Academic emergency medicine: official journal of the Society for Academic Emergency Medicine*, 10.1111/acem.14898. Advance online publication. <https://doi.org/10.1111/acem.14898>

**Grant Submitted:** R18 to AHRQ, which will be reviewed in February, 2025. Title: Emergency Department Navigator to Improve Care Transitions for Patients with Dementia

## YEAR 1 GEAR 2.0-ADC PILOT AWARD GRANTEES (2022-2023) CONTINUED



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### **Brock Daniels, MD**

Weill Cornell Medicine

**Project:** Using Mobile Integrated Health and Telehealth to Perform In-Home Fall-Risk Reduction among Persons Living with Dementia after a Sentinel Emergency Department Encounter



#### **Publication:**

Jiang, L. G., McGinnis, C., Benton, E., Nawa, E., Stern, M., Xi, W., Sharma, R., & Daniels, B. (2024). Using tele-paramedicine to conduct in-home fall risk reduction after emergency department discharge: Preliminary data. *Journal of the American Geriatrics Society*, 10.1111/jgs.19080. Advance online publication. <https://doi.org/10.1111/jgs.19080>

**Abstract:** e-poster titled, "Using mobile integrated health to facilitate digital at-home fall-risk reduction after ED discharge in older adults with cognitive impairment" at the virtual American Geriatrics Society Conference in May 2024.

**Talk:** Titled, "Preventing Falls Where Most Falls Take Place: At-home fall-risk reduction using mobile integrated health" at the 6th Annual Older Adult Falls Prevention Symposium presented by New York-Presbyterian/Weill Cornell Trauma Center and the Carter-Burden Network in September 2024.

**Grants Submitted:** R01 grant application submitted to advance his pilot research. He is also the coinvestigator on a P01 grant application to study at home cognitive assessment with MIH based on pilot data:

Award Source: National Institute on Aging

Project title: Addressing Inequities in Digital Health and Disparities among Older Adults with and at Risk for ADRD and/or Cognitive Decline (ADD Health)

Total award amount: \$16,320,559

Duration of support: 7/2025-6/2030

PI: Alexander, Greg

## YEAR 2 GEAR 2.0-ADC PILOT AWARD GRANTEES (2023-2024)

### PILOTS AND ACCOMPLISHMENTS

### **Anita Chary, MD, PhD**

Baylor College of Medicine

**Project:** A Qualitative Study of Health Priorities and Emergency Department Communication with Black and Hispanic Persons Living with Dementia and Care Partners



#### **Publications:**

Brief report under review with the *Journal of Geriatric Emergency Medicine*.

Two draft manuscripts to be submitted to *BMC Health Services Research*, *Journal of American Geriatrics Society*.

#### **Presentations:**

1. Understanding Emergency Department Disposition Decisions with People with Dementia at the 10th Annual MEDVAMC Poster Session in Houston, Texas on October 10, 2024.

**Presentations Continued:** What Matters Most to People with Dementia in the Emergency Department: A Qualitative Study at the American College of Emergency Physicians Research Forum in Las Vegas, Nevada on September 30, 2024.



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3. What Matters Most to People with Dementia in the Emergency Department: Lessons from Qualitative Studies at the American College of Emergency Physicians, Geriatric Pre-Conference, Dementia-Friendly Emergency Department in Las Vegas, Nevada, on September 28, 2024.

**3 Grants Submitted/Anticipated:**

Applications submitted to NIA K76, EMF Pilot Grant. Applied to and awarded SAEMF Large Project Grant to focus on engaging older adults in admission decisions in the ED from July 2025-June 2027. This study will build upon her findings from her GEAR 2.0 pilot award and will include persons living with dementia.

**Justine Seidenfeld, MD, MHS**

Durham VA Health Care System

Characterizing Emergency Department Disposition Conversations for Veterans with Dementia Using Direct Observations



**Publications:** Ethnographic study design protocol paper accepted to JMIR Research Protocols (currently in press) titled, “Characterizing Emergency Department Disposition Conversations for Persons Living with Dementia: Protocol for an Ethnographic Study”.

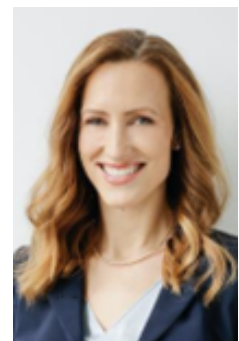
Seidenfeld J, Tucker M, Harris-Gersten M, Fix GM, Guzman I, Sperber NR, Hastings SN. Characterizing Emergency Department Disposition Conversations for Persons Living With Dementia: Protocol for an Ethnographic Study. JMIR Res Protoc. 2024 Dec 6;13:e65043. doi: 10.2196/65043. PMID: 39642361; PMCID: PMC11662188.

**Abstracts:** 1. Poster presentation of her preliminary pilot study results at the Academy of Emergency Physician’s Scientific Assembly in Las Vegas in September 2024, titled “Characterizing ED Disposition Conversations for Veterans with Dementia Using Direct Observations.”

**Elizabeth Goldberg, MD, ScM**

University of Colorado School of Medicine

Project: Modifying the GAPcare Fall Prevention Intervention with Patients with Cognitive Impairment and Their Caregivers



**Presentations:**

1. Poster presentation of her pilot study results at the Academy of Emergency Physician’s Scientific Assembly in Las Vegas in September 2024.
2. Poster presentation at the AFAR Beeson Conference in November 2024 on the same topic.

**Grants Submitted:**

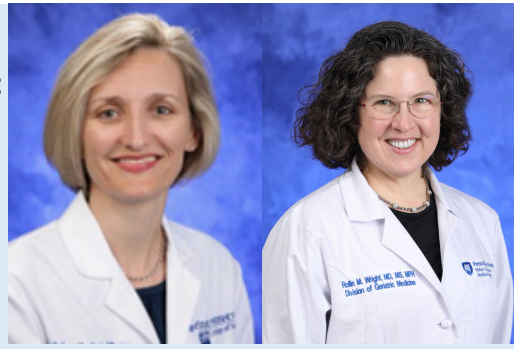
1. K award was funded for year 6 to support her close out activities.
2. R01 in February 2024, “GAPcareAD: A Brief Emergency Department Intervention to Address Post-Fall Care Needs of Persons Living with Dementia and Care Partners”, and it scored 24%.
3. R21, “e-GAPcare: Expanding the Reach of a Fall Prevention Intervention for Older Adult Emergency Department Patients through Telehealth”, and it scored in the fifth percentile.

# FINAL ROUND OF PILOT AWARDEES



**Gear 2.0 has selected its final round of pilot awardees:**

•**Michelle A. Fischer, MD, MPH**, Assistant Professor of Emergency Medicine, and **Rollin M. Wright, MD, MS, MPH**, Associate Professor of Geriatrics | The Pennsylvania State University Milton S. Hershey Medical Center. They will



work on their project titled, “Penn State Emergency Medicine CarES: Care-partner Evaluation and Sourcing in the ED.”

•**Adrian Haimovich, MD, PhD**, Clinical Instructor in Emergency Medicine | Beth Israel Deaconess Medical Center. He will work on his project titled, “Feasibility of a stakeholder-informed sleep hygiene intervention for persons living with dementia in the Emergency Department (SLEEP-ED).”



•**Michelle P. Lin, MD, MPH, MS**, Associate Professor of Emergency Medicine | Stanford University. She will work on her project titled, “Functional and Cognitive Outcomes and Recovery after Emergency Department Visits among Older Adults with Dementia (FACTOR-ED).”



Thank you for your continued support and dedication to advancing emergency care for older adults, including those living with dementia.

Best regards,  
THE GEAR 2.0-ADC TEAM

<p><b>Ula Hwang, MD MPH</b> New York University</p> <p>GEAR 2.0-ADC MPI and Admin and Data Core Lead</p>	<p><b>Manish Shah, MD MPH</b> University of Wisconsin – Madison</p> <p>GEAR 2.0-ADC MPI and Admin Lead</p>	<p><b>Chris Carpenter, MD MSc</b> Mayo Clinic</p> <p>Dissemination and Implementation Core Lead</p>	<p><b>Scott Dresden, MD MS</b> Northwestern University Feinberg School of Medicine</p> <p>Research Core Lead</p>	<p><b>Andrea Gilmore-Bykovskiy, PhD RN</b> University of Wisconsin – Madison</p> <p>Recruitment, Engagement, and Retention Core Lead</p>
				