
AGENDA FOR PUBLIC/CLOSED SESSION

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| Call to Order | Chair Bill Wood |
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| 1. Approval of Minutes | Regent Bill Wood |
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| 2. Momentum Fund Update | Managing Director Mike Ravenscroft |
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| 3. Research Report for Coppin State University | Interim Dean for Graduate Studies Ronald Williams |
| | |
| 4. Research Report for University of Baltimore | Assistant Provost Margarita Cardona |
| | |
| 5. Research Landscape Update | Vice Chancellor Michele Masucci |

Approval of Minutes



UNIVERSITY SYSTEM
of MARYLAND

BOARD OF REGENTS
COMMITTEE ON Research and Economic Development

October 10th, 2025

Meeting via Video and Conference Call

Minutes of the Public Session

Regent Wood called the meeting of the Research and Economic Development Committee of the University System of Maryland Board of Regents to order in public session at 10:00 a.m. on October 10th via Zoom.

Those in attendance included William Wood, Michele Speaks, Linda Gooden, Dhruvak Mirani, Sherri Nadine Blount, Anwer Hasan, Jay Perman, Michele Masucci, Lindsay Ryan, Julia Chadwick, Michael Ravenscroft, Matthew Jenkins, and Allison Boyle.

1. **Approval of Minutes.** The Regents reviewed the meeting minutes from the May 6th meeting of the Board of Regents Committee on Research and Economic Development and held a vote to ratify. The motion passed unanimously.

(Regent Wood moved recommendation, seconded by Regent Gooden; approved)

Vote Count = Yeas: 5 Nays: 0 Abstentions: 0

2. **Sustainability Action Plan for the USM.** Vice Chancellor for Sustainability Fernando Miralles-Wilhelm presented the USM Sustainability Strategic Plan to the Committee on Research and Economic Development. In his presentation, Vice Chancellor Miralles-Wilhelm detailed the short, medium, and long-term benchmarks for this strategic plan, and emphasized the need to build a working group for sustainability at all USM institutions. He also laid out the details on certain aspects of the plan, including the adoption of a tiered emissions system for tracking progress. All presentation materials are available to the public on the USM website. **Regent Wood called a vote on a resolution of support for the USM Sustainability Action Plan, which passed unanimously.**

(Regent Wood moved recommendation, seconded by Regent Speaks; approved)

Vote Count= Yeas: 6 Nays: 0 Abstentions: 0

3. **Climate Innovation Alliance.** Executive Director of Economic Development Lindsay Ryan gave a presentation on the Climate Innovation Alliance to the Committee on Research and Economic Development. This was an informational presentation meant to showcase the purpose and work of the Climate Innovation Alliance. Lindsay Ryan highlighted purpose of fostering greater collaboration between Maryland institutions on tackling climate-related issues. All meeting materials are available to the public on the USM website.
4. **Venture Development and Innovation Collaborative Updates.** Executive Director of Economic Development Lindsay Ryan gave a presentation on USM Venture Development, and the USM

Innovation Collective to the Committee on Research and Economic Development. The Climate Innovation Alliance is a collective of USM faculty, program heads, and venture development leaders that work towards the common goal of supporting USM inventors and entrepreneurs. In her presentation, Lindsay Ryan highlighted in particular the overlap between three major areas of excellence for the Climate Innovation Alliance: training/talent, innovation, and places/spaces. She also briefly presented a “Venture Development Report”, wherein she highlighted how the various USM-supported ventures did from January through July of 2025. All meeting materials are available to the public on the USM website.

5. **Renew Committee Charge.** The regents reviewed the 2025-2026 Research and Economic Development Committee Charge and held a vote. The motion passed unanimously.

(Regent Wood moved the recommendation, seconded by Michele Speaks; approved)

Vote Count = Yeas: 6 Nays: 0 Abstentions: 0

6. **Maryland Momentum Fund.** Director of the Maryland Momentum Fund Mike Ravenscroft’s presentation on the Maryland Momentum Fund was delayed until the next Research and Economic Development Meeting on November 21st.

The public meeting was adjourned at 11:58 A.M.

Respectfully submitted,

Regent Bill Wood
Chair, Committee on Research and Economic
Development

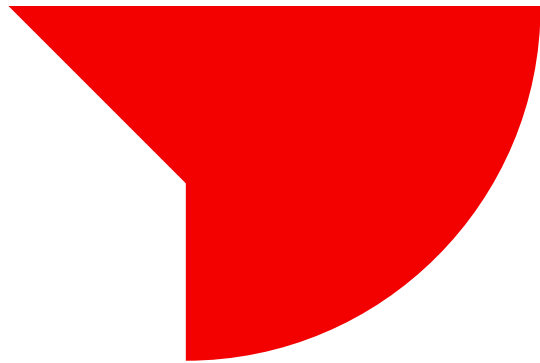
Momentum Fund Update

Maryland Momentum Fund

**Board of Regents
Q3 2025 Fund Update**

Presented By:
Mike
Ravenscroft
Managing
Director





Fund investment activity: FY 24-25

**2 USM
Institutions**

**\$140M co-
invested /
12X ratio
leveraged
capital**

**4 investments in FY
24-25**

\$840K invested

**50% technology
transfer**

**\$11.5M invested by
MMF**

**\$14.4M invested by
MMF & USM
institutions**

**31 active portfolio
companies, 4
successful exits**

Company Spotlight:



**Founded in 2016 by
UMB faculty inventor
Stephen Tropello,
Critical Care
Physician**

**Seeded by UM
Ventures and the
Tech Transfer Fund at
UMB**

**Raised a successful
Series B led by Good
Growth Capital**

**Deployed in health
systems nationally**



- **Direct hospital cost savings of \$15K-\$30K per patient**
- **5-9 days length of stay reduction per patient**
- **Transforming ICU patient throughput, improving patient safety, and generating true cost-savings to health systems**

Support from tech transfer office, UM Ventures seed funding, ecosystem engagement, the VC community, and Momentum Fund.



Company Spotlight:

eat omega3

Founded in 2020 by a
UMD undergraduate
student

Grand Prize winner of
the 2022 Pitch
Dingman Competition

Raised an
oversubscribed seed
round in 2025

National sales to K-12
schools, universities,
hospitals, and airlines



Support from UMD entrepreneurship resources, UMD faculty advisors, state programs, local angel and seed stage investors, and Momentum Fund.

Market Updates: Continued Disruption

- As with NIH cuts, current DOE cuts are directly impacting Maryland companies
- High-T Tech, an MMF portfolio company, had its grant terminated and is losing approximately \$1M in funding (at least 3 other College Park programs were cut)
- If the program is not restored, the direct result will be a 50% cut to the company's engineering workforce and delay its infrastructure buildout
- These programs imperil our hardtech / energy / clean-tech startups



Continued cuts to federal grant programs that fund early-stage technology innovation will have an outsize impact on technology transfer startups. Maryland must continue to double down on efforts to support companies building and creating jobs in our state.

Research Report for Coppin State University

University System of Maryland

Board of Regents
Committee on Research & Economic Development

Ronald C. Williams, Ph.D.
Interim Dean
School of Graduate Studies and Research
November 21, 2025

A Pivotal Time

“Our idea of getting an education did not come out of wanting to imitate anyone whatever. It grew out of the uneasiness and the restlessness of the desires we felt within us; the desire to know, not just a little, but a great deal.”

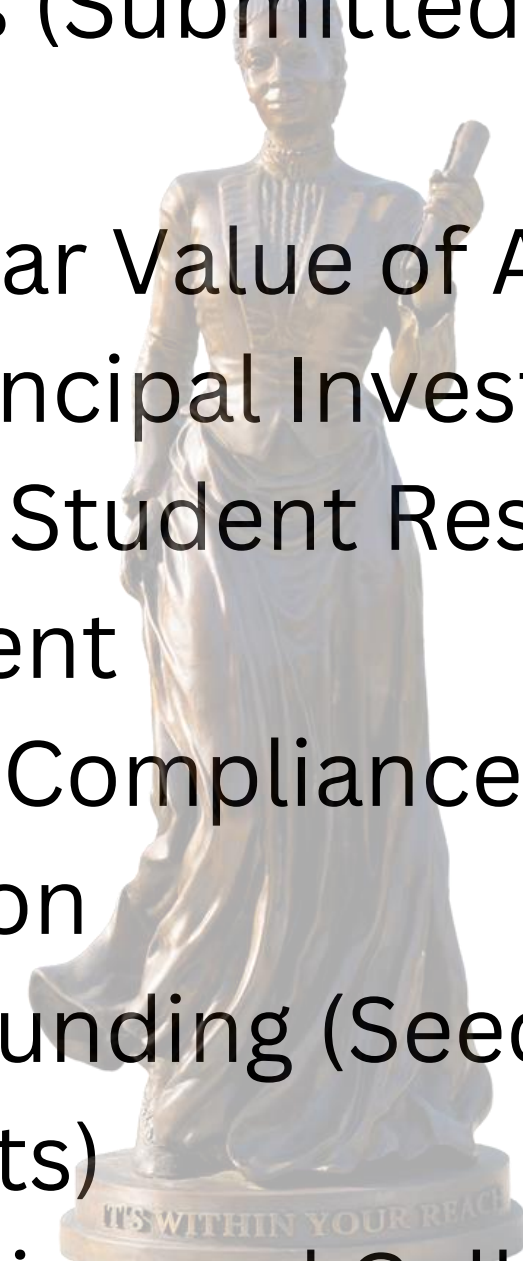
~Frances Jackson Coppin,
The World’s Congress of
Representative Women, Chicago IL
May 1893

Centers of Excellence

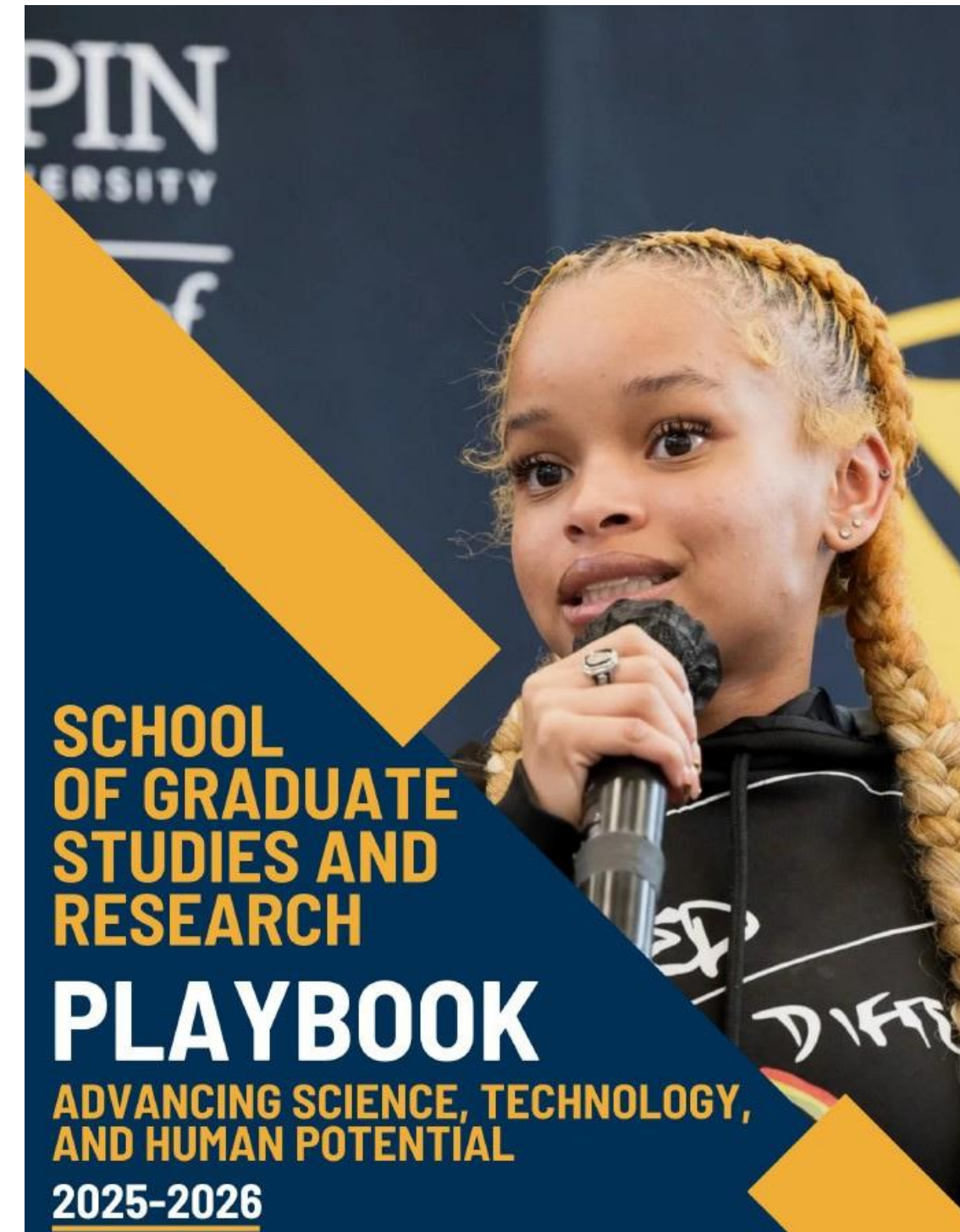
- Center for Strategic Entrepreneurship
- Center for Inclusive Excellence
- Center for Technology Innovations
- Eagle Achievement Center
- Center for Nanotechnology
- Center for Organic Synthesis Laboratory for Environmental Contaminants Ophthalmic Research Laboratory

Metrics Matter

- Number of Funded Grant Proposals (Submitted vs. Awarded)
- Total Dollar Value of Awards
- Active Principal Investigators
- Graduate Student Research Engagement
- Research Compliance Training Completion
- Internal Funding (Seed Grants, Mini-grants)
- Partnerships and Collaborations



What's Next?



Q & A

Research Report for University of Baltimore

RESEARCH THAT WORKS

Magui Cardona
Assistant Provost for Sponsored Research

**UBALT
100**



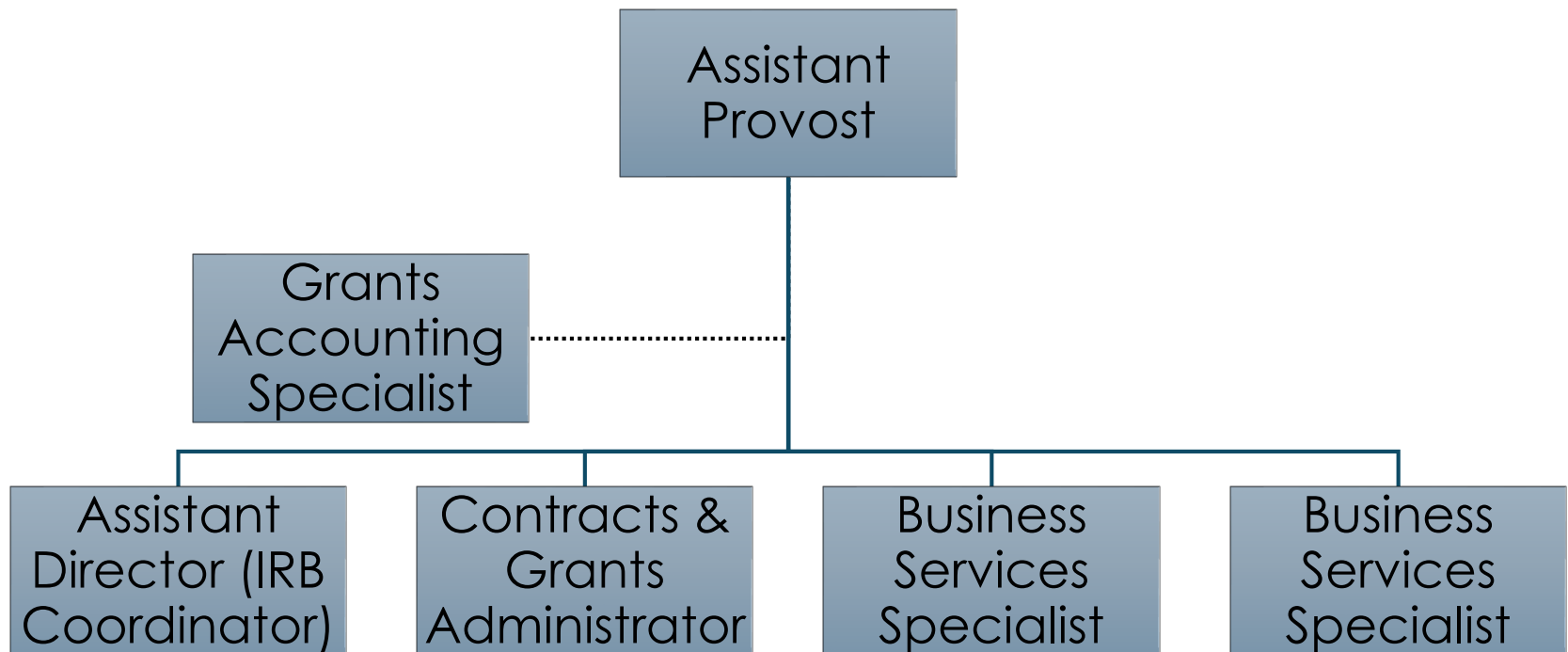
ABOUT UBALT – OUR STUDENTS

- Fall 2025 enrollment – 3,168 students
 - 291 high school dual enrollment, 1,127 undergraduate, 1,004 graduate, and 746 law
 - Average age is 32 for undergraduate, 36 for graduate, and 28 for law
 - 52% of undergraduates are African-American; 4% Hispanic; 6% identify as multi-racial
 - 56% of UBalt undergraduates attend full-time; most graduate students (68%) attend part-time
 - 63% are first-generation college students

ABOUT UBALT – ACADEMIC IMPACT

- 70+ undergraduate, graduate, and doctoral programs and certificates, including nearly 20 fully online programs
- First Second Chance College Program in the system boasts 17 BA graduates and 1 MBA
- Over 80% of UBalt graduates remain in Baltimore, amplifying the city's entrepreneurial ecosystem

OFFICE OF SPONSORED RESEARCH



GRANTS AND CONTRACTS – FY 2025

Activity Type	FY25 Expenditure
Research Centers & Institutes	\$ 3,766,638.93
Individual and Project Research	\$ 1,365,230.03
Public Service Community Service	\$ 20,328,591.82
Undergraduate Fellowship	\$ 1,000.00
Grand Total	\$ 25,461,460.78

Research Colleges and Universities (Carnegie)

RESEARCH CENTERS AND INSTITUTES

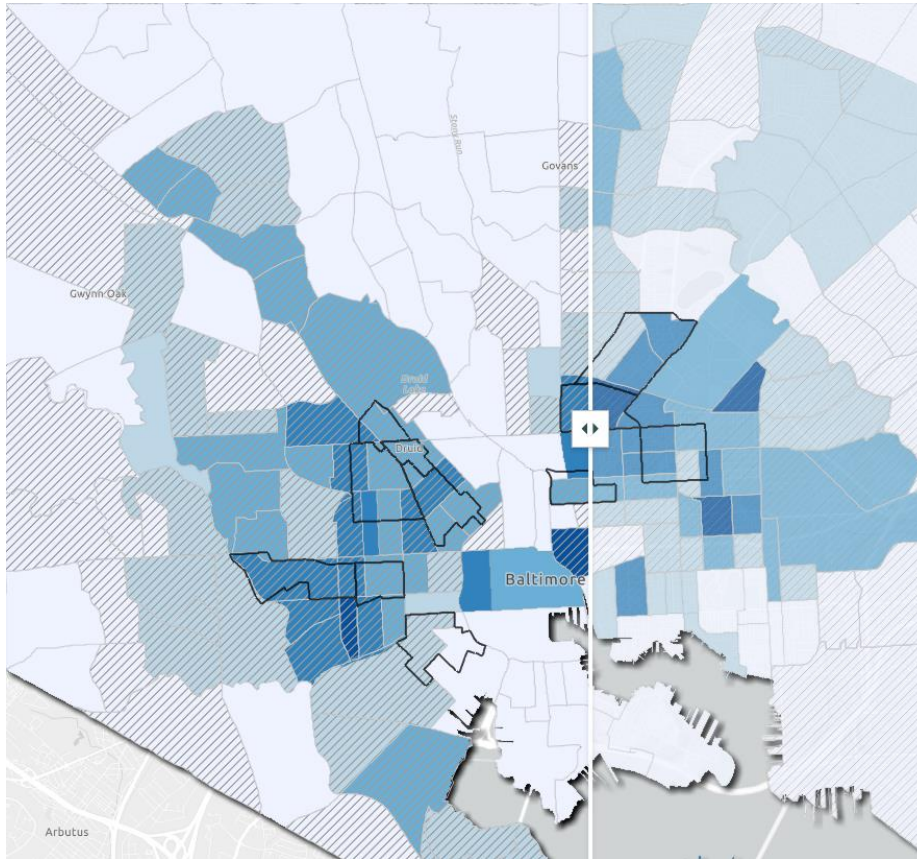
- 15 research centers and institutes, including the new [Center for AI Learning and Community-Engaged Innovation](#).
- Externally Funded:
 - Schaefer Center for Public Policy
 - Jacob France Institute
 - Baltimore Neighborhood Indicators Alliance
 - Center for Public Safety Innovation
 - Center for Advancing Prevention Excellence
 - Multiple Law Clinics and Centers

BALTIMORE CITY – AMERICAN RESCUE PLAN (ARPA) EVALUATION

<https://arpaimpactindicators-bniajfi.hub.arcgis.com/>

- Collaborative work between:
 - Baltimore Neighborhoods Indicators Alliance (BNIA; Lead)
 - Jacob France Institute
 - Schaefer Center for Public Policy
- Contract #1 \$438k; Contract #2 \$1.7M
- Sample Projects:
 - Buy Back the Block
 - Hire Up and Train Up
 - Community Arts Grants Program

BALTIMORE CITY – ARPA IMPACT INDICATORS StoryMaps



- Example: Percent of properties that are vacant (by neighborhood)
 - Vacant or abandoned properties (left)
 - Properties not receiving mail (right)

Contracts for Research Studies

Jacob France Institute

- Controlled trial evaluation of the Maryland Reemployment Services Eligibility Assessment (RESEA) - \$530k
 - Partner – Actus Policy Research
- Actuarial analysis of the Family and Medical Leave Insurance program (FAMLI) - \$881k
 - Partners - Optimal Solutions Group, LLC (lead), University of Minnesota and Milliman, Inc.

Contracts for Research Studies

Schaefer Center for Public Policy

- Legislatively Mandated Evaluation of the State Commission of Real Estate Appraisers, Appraisal Management Companies, and Home Inspectors – Maryland Department of Labor (\$80k)
- Inventory of Municipal Services Provision in Maryland - Maryland Municipal League (\$28k)
 - Results to be presented at the MML conference in Annapolis December 4.

Economic Impact Analyses

Jacob France Institute

Move America / The Discovery District (\$81k)

- Assessment of Prince George's County technology landscape
- Alignment of entrepreneurial and innovation drivers and assets to Prince George's County cluster and general economic development needs

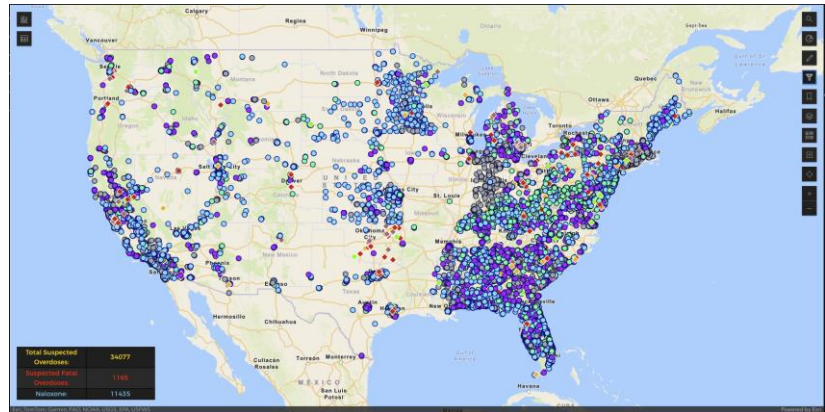
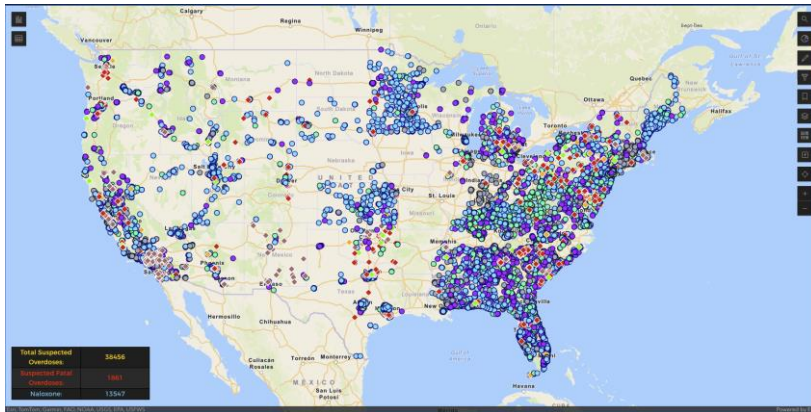


Overdose Detection Mapping Application Program (ODMAP)

Center for Public Safety Innovation

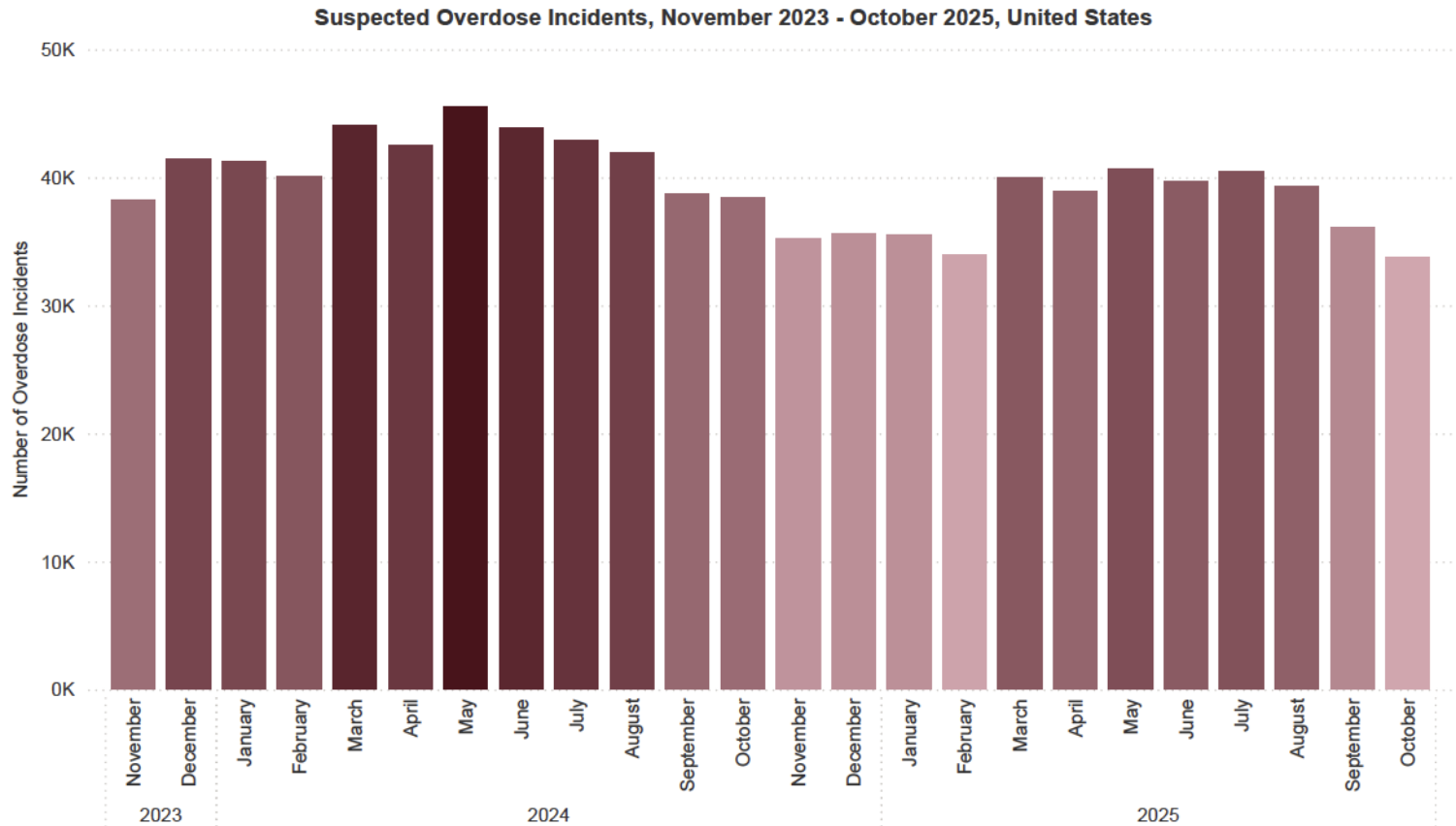
- Current ODMAP Engagement:
 - Participating Jurisdictions: 50 states, DC, and Puerto Rico
 - Participating agencies: approx. 5,560
 - ODMAP users: approx. 38,400
 - Statewide implementation: 35 States
 - Application programming interfaces: 29 States
 - Suspected overdoses entered: over 3.25 million

NATIONAL OVERDOSE COMPARISON – OCTOBER 2024 VS OCTOBER 2025



Suspected overdose events in the included images compare October 2024 (38,456) to October 2025 (34,077), representing an 11% decrease nationally.

National Overdose Trends



Overdose Detection Mapping Application Program (ODMAP)

Center for Public Safety Innovation

- Total federal discretionary and grant funds:
 - ONDCP Discretionary - \$5.6 M
 - BJA COSSUP - \$3 M
- ODMAP was included in the 2022 and 2024 White House National Drug Control Strategy
- Up next... ODMAP CANADA! (\$754k USD)