

Overview of NIH Dissemination and Implementation Funding Opportunities

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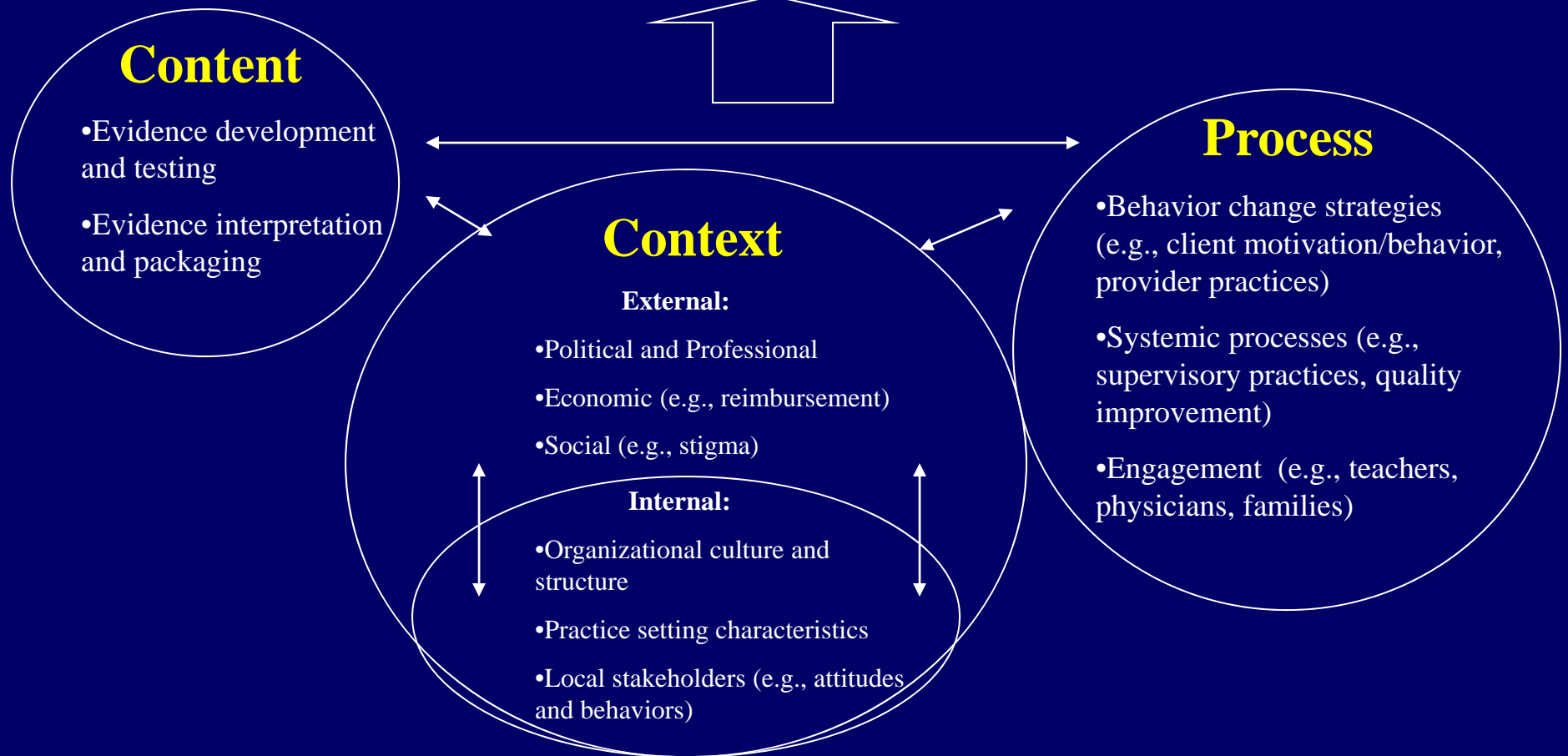
March 16, 2010



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Real-World Dissemination and Implementation: The influence of content, context, and process

Dissemination and Implementation



Presentation Outline

- Historical Context
- Developmental Process
- Current Content
 - Funded Grants
 - NIH PARs
 - Other Announcements



Developing the Research Portfolio on Dissemination and Implementation



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NIH Mission

Uncover new knowledge that leads to better health for everyone by:

- Supporting peer-reviewed scientific research at universities, medical schools, hospitals, and research institutions throughout United States and overseas
- Conducting research in its own laboratories
- Training research investigators
- Developing and *disseminating* credible health information based on scientific discovery



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My Starting Point

- **2001: Dissemination Research at NIMH**
 - **3 Grants**
 - 1 career development award
 - 2 research studies
 - **PA-99-068: Dissemination Research in MH**
 - **5-7 applications per round**



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Challenges of portfolio development (c 2001)

- Variability in terms
- Little awareness of research questions
- Minimal capacity within the field
- No shared vision
- Few opportunities to present/publish
- Commentaries outpace studies
- Not clear part of research agenda



Dissemination and Implementation Research

- Dissemination is “**the targeted distribution of information and intervention materials to a specific public health or clinical practice audience.**”
- Implementation is “**the use of strategies to adopt and integrate evidence-based health interventions and change practice patterns within specific settings.**”

NIH PAR-10-038; Adapted from Lomas (1993)



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Seeds of Progress (2002-05)

- **NIMH—PA-02-131: Dissemination and Implementation Research in MH**
- **NCI—Dissemination supplements**
- **AHRQ/VA/NIH—TRIP(P)**
- **OBSSR-Type II Translation Workgroup**
- **IC-specific calls for research**



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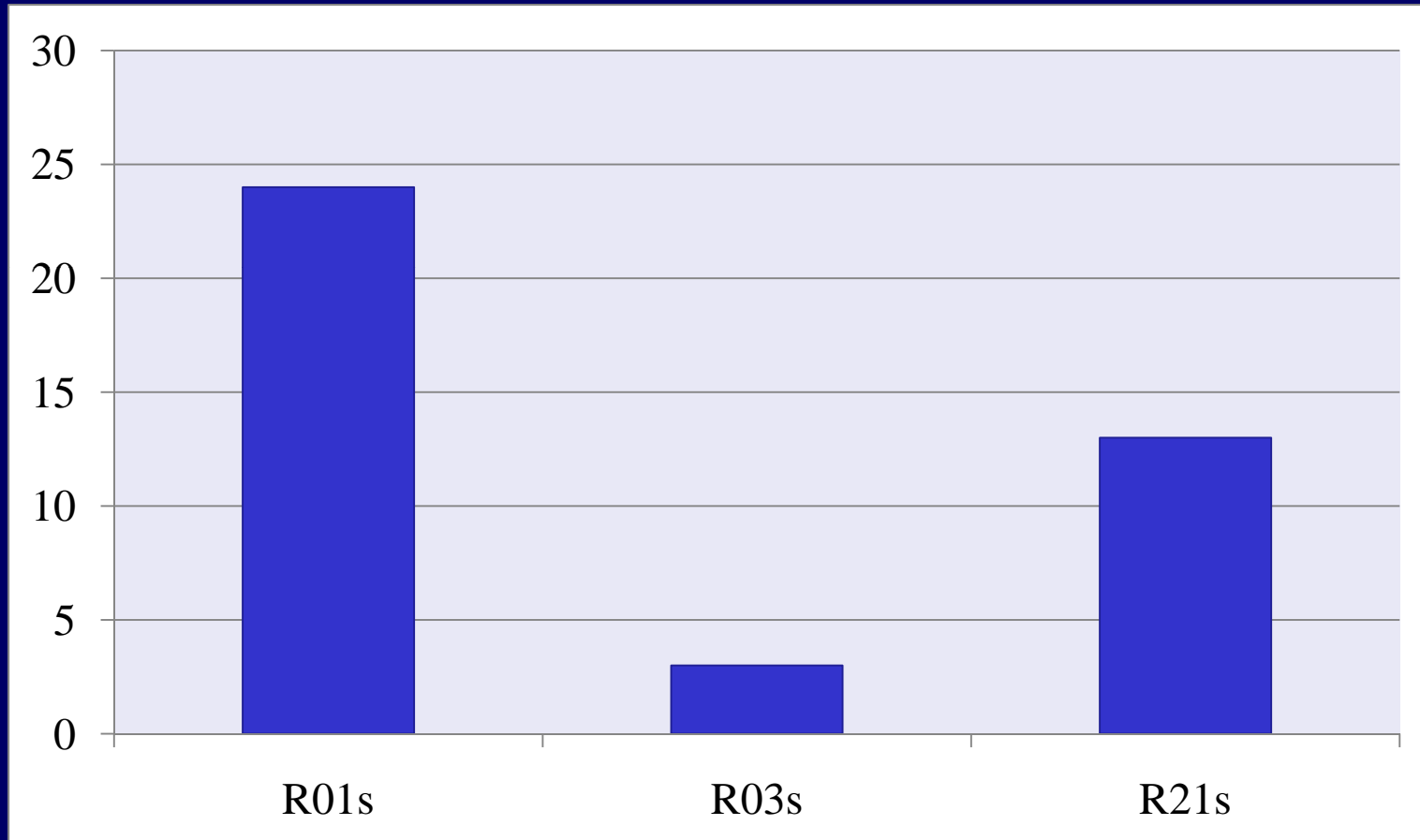
The First PAR(s): 2005-9

- **PAR-06-520, 06-521, 07-086:**
Dissemination and Implementation in Health
 - NIMH, NCI, NHLBI, NIDA, NIAAA, NIDCR, NIDCD, NINR, OBSSR, ODS
- **Special Emphasis Panel for D and I**
- **SEP reviewed R03, R21, R01 applications**
- **Submission every other round**

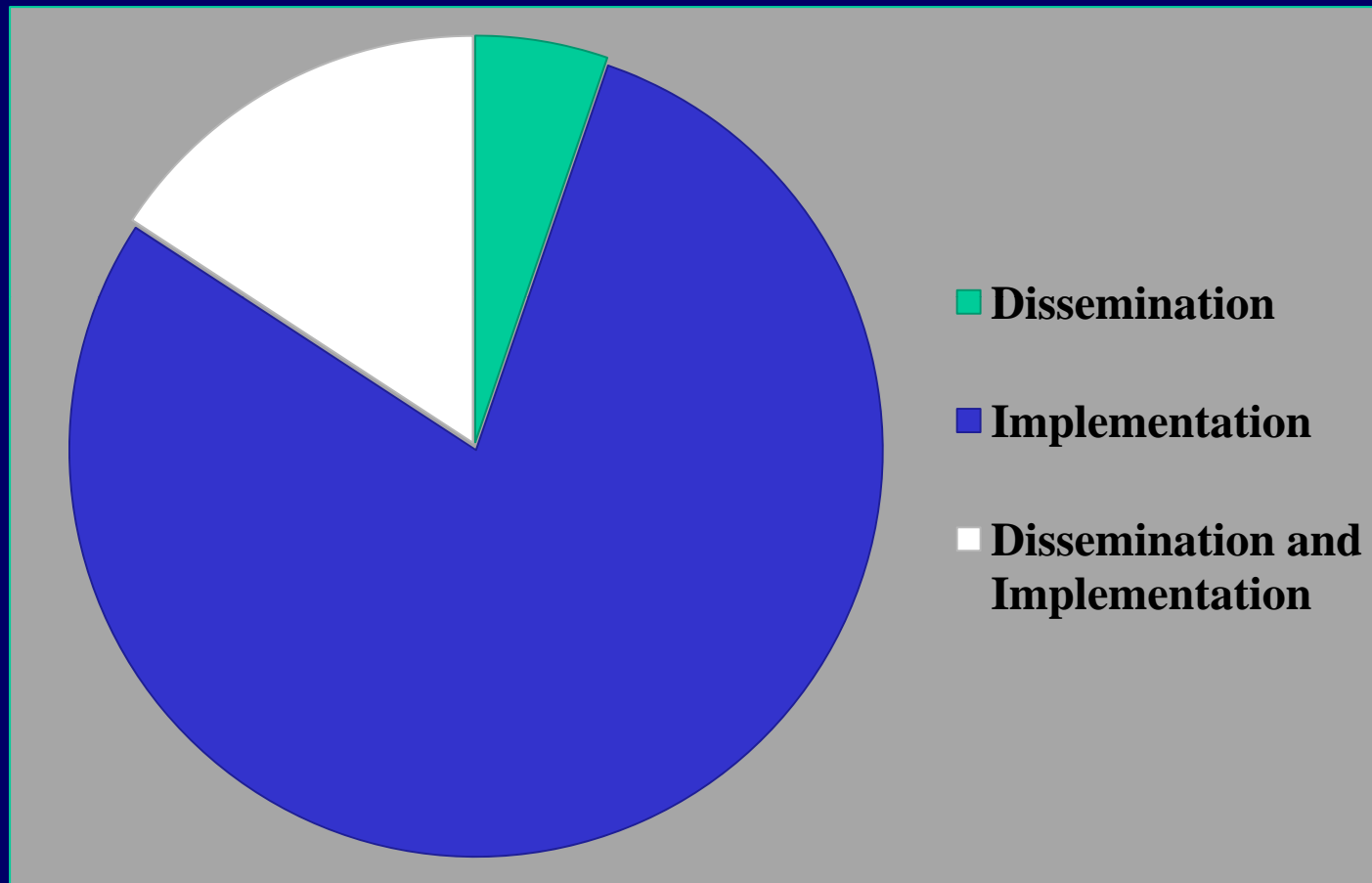


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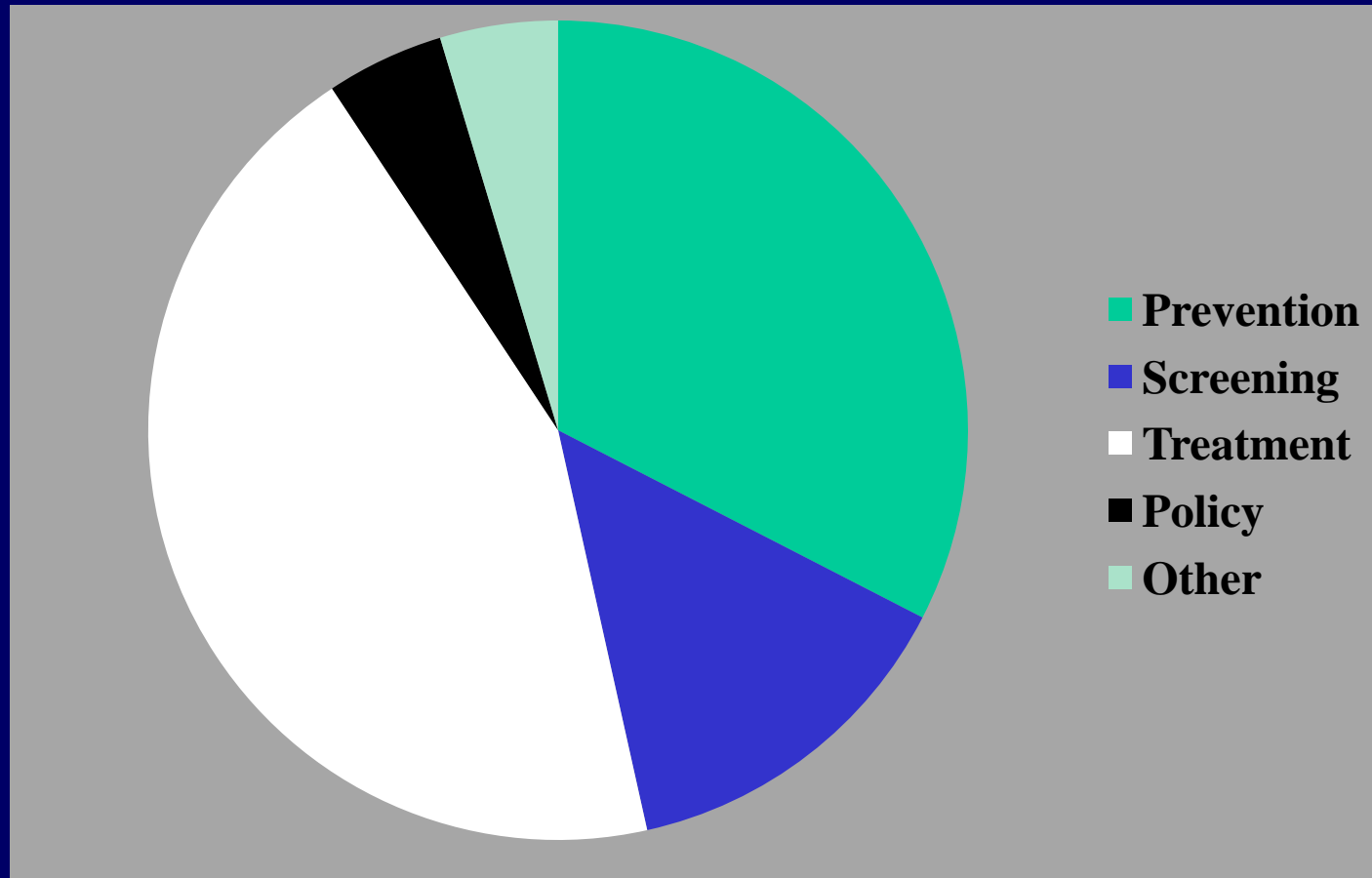
The First PAR(s): 2005-9



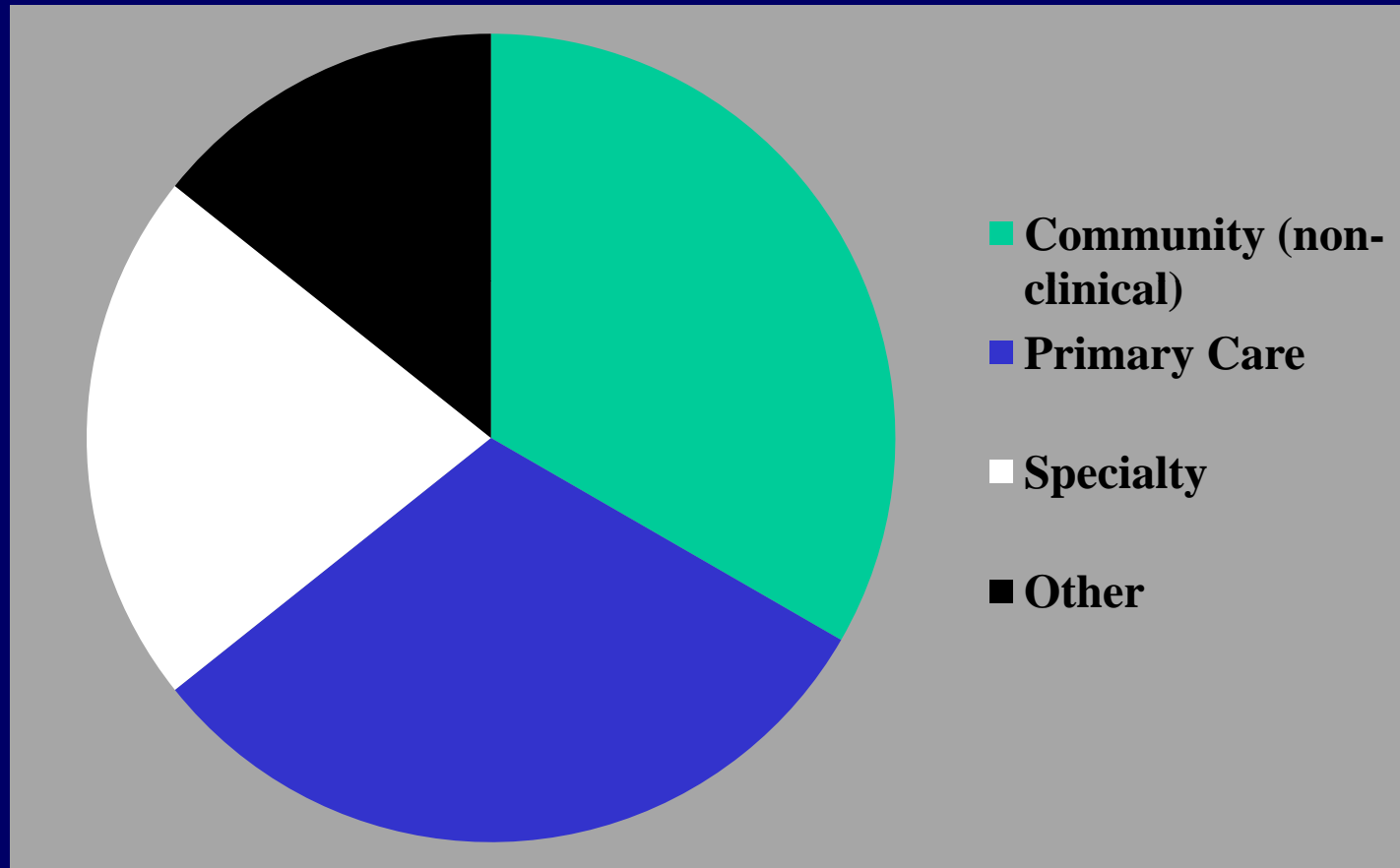
PAR(s): Area of Focus



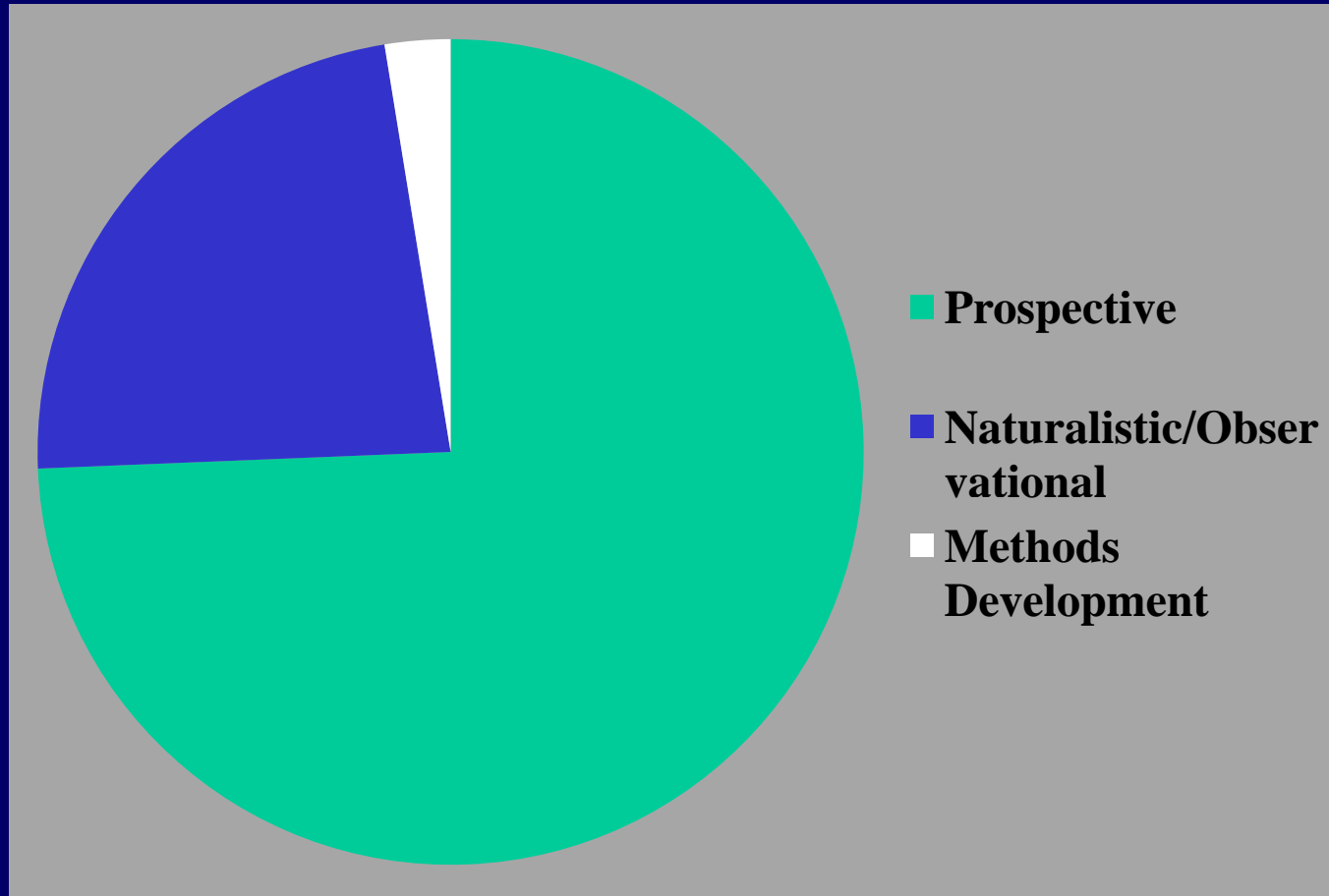
PAR(s): Intervention Type



PAR(s): Intervention Setting



PAR(s): Type of Study



Selected D and I research

- Using a community development team approach to implement effective practices
- Testing effective reimbursement for interventions
- Utilizing Quality Improvement cycles to incorporate research into practice
- Employing CBPR to enhance implementation
- Predicting use of interventions through organizational culture/climate
- Using decision-support tools to improve uptake

(CRISP database, 2009)



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NIH D and I research grants

- R01s, R03s, R21s, R34s
- Developing and Advanced Centers
- Implementation Research Institute (R25)
- Small Workshops/Collaborations (R13)



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Annual D and I Meetings

- “State of the Science” Venue
- First meeting: September 2007:
“Showcase”, ~350 participants
- Second meeting: “Building Capacity”
January 2009, > 500 registrants
- Third meeting: “Methods and measures”
>900 people registered



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The Current PARs

- PAR-10-038; 10-039;10-040
- NIMH, NCI, NIDA, NIAAA, **NIAID**,
NHLBI, NINR, **NIDDK**, **NINDS**, NIDCD,
NIDCR, OBSSR
- 2010 CSR standing review committee
- Every round Submission

***New participants**



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D&I Research Topics

- **Studies of the capacity of specific care delivery settings (e.g., primary care, schools, community health settings) to incorporate D&I efforts within current organizational forms.**
- **Studies that focus on the development and testing of theoretical models for D&I processes.**
- **Development of outcome measures and suitable methodologies for D&I approaches that accurately assess the success of an approach to move evidence into practice (i.e., not just clinical outcomes).**



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Mechanistic D&I Research Questions

- Can effective measures be created for key implementation constructs (e.g. supervision, outcomes monitoring, turnover, leadership)?
- How does implementation of effective practice impact turnover, organizational culture and climate?
- Is there an effective model of (re)training providers in effective practices?
- How can capacity be built within practice settings to support implementation of effective practices?
- What data systems can support ongoing assessment of implementation?



Areas Ripe for Exploration

- **Sustainability of EBPs**
- **Adaptability/Evolution of EBPs over time**
- **Scaling up practices across health plans, systems, and networks**
- **Adaptive designs (implementation as a step-wise approach)**
- **Real-time feedback/monitoring on EBPs**



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Expanding Opportunities for D and I Research



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Behavioral Economics

- **RFA-OD-10-001: Behavioral Economics for Nudging the Implementation of Comparative Effectiveness Research: Clinical Trials (RC4)**
“interdisciplinary efforts involving cognitive and social psychologists, decision scientists, and other social scientists together with economists to model economic decision-making and consequent actions”
- **Due date: April 7, 2010**



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Additional D&I Funding Opps

- **NIH: The Medical Education Partnership Initiative (MEPI) (R24) (5/12/2010)** <http://grants.nih.gov/grants/guide/rfa-files/RFA-TW-10-008.html>
- **NHLBI: Research Dissemination and Implementation Grants (R18):** <http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html>
- **AHRQ (ARRA) : Accelerating Implementation of Comparative Effectiveness Findings on Clinical and Delivery System Interventions by Leveraging AHRQ Networks (R18) (3/24/10)** <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-014.html>
- **ASPE (ARRA): Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18) (3/11/10)** <http://grants.nih.gov/grants/guide/rfa-files/RFA-AE-10-001.html>



Related Areas for D and I Research



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Informed Decision-Support

- **Challenge: How can we make decisions to use research finding easier?**
 - Cancer Control PLANET, NREPP
- **NIBIB: ARRA RFA: Impact of Decision-Support Systems on the Dissemination and Adoption of Imaging-Related Comparative Effectiveness Findings (UC4)**
<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-012.html>



Practice-Based Evidence

- Is data gathered within real-world practice?
- What role does ongoing Quality Improvement/Assurance play?
- Using local evidence to assist with research application rather than combat it.
- **Goal:** Maximizing the use of **all** available evidence.



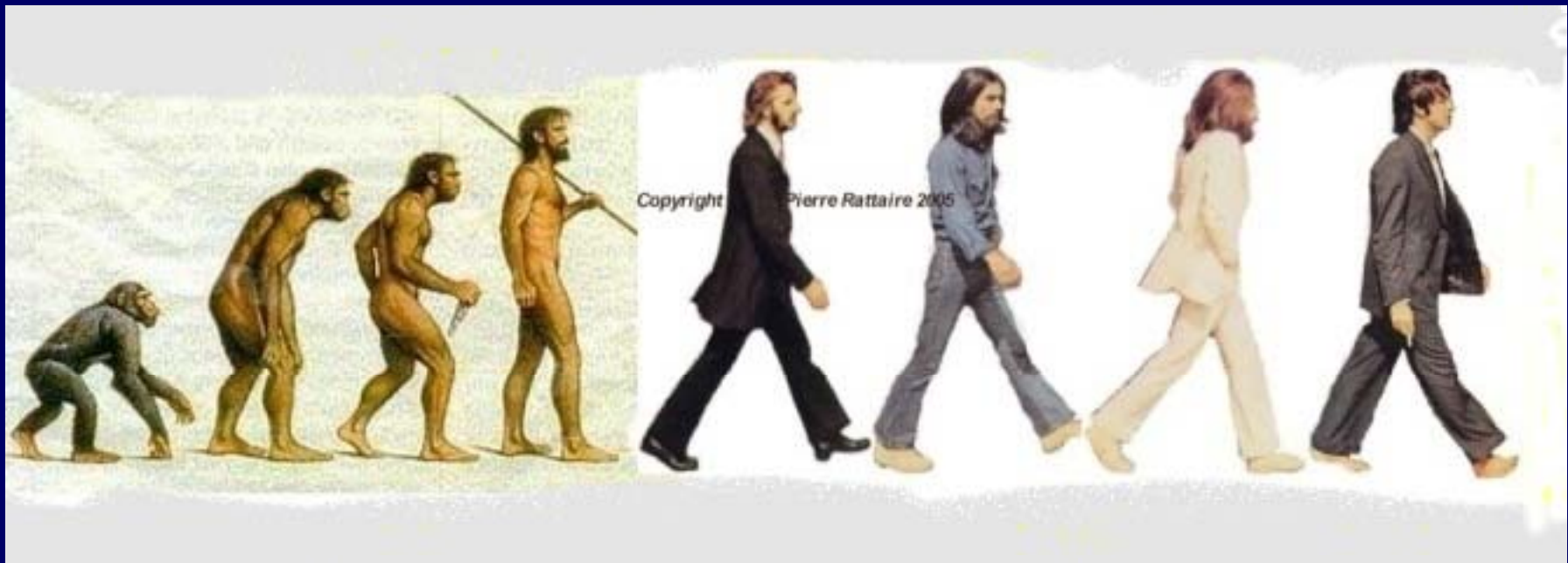
Evidence-based Policy

- Analysis of existing data to inform policy
- Analysis of data to assess impact of policy
- Pooling of data across systems, states
- NIMH RFA-09-050
- **Can you disseminate and implement evidence-based policy?**



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Dissemination and Implementation Research: An Evolutionary Path



... 2001 2005 2010

and beyond...



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Thank you!



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