

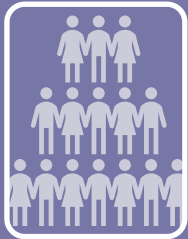
Innovative Evidence Generation: OCE Project Pragmatica

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Current State



Complex and Restrictive



Resource Intensive



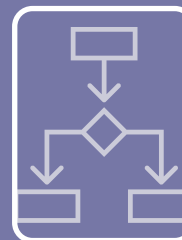
Highly Burdensome

- Patients
- Providers

Future State



More Streamlined and Generalizable



Targeted Objective-focused Approaches



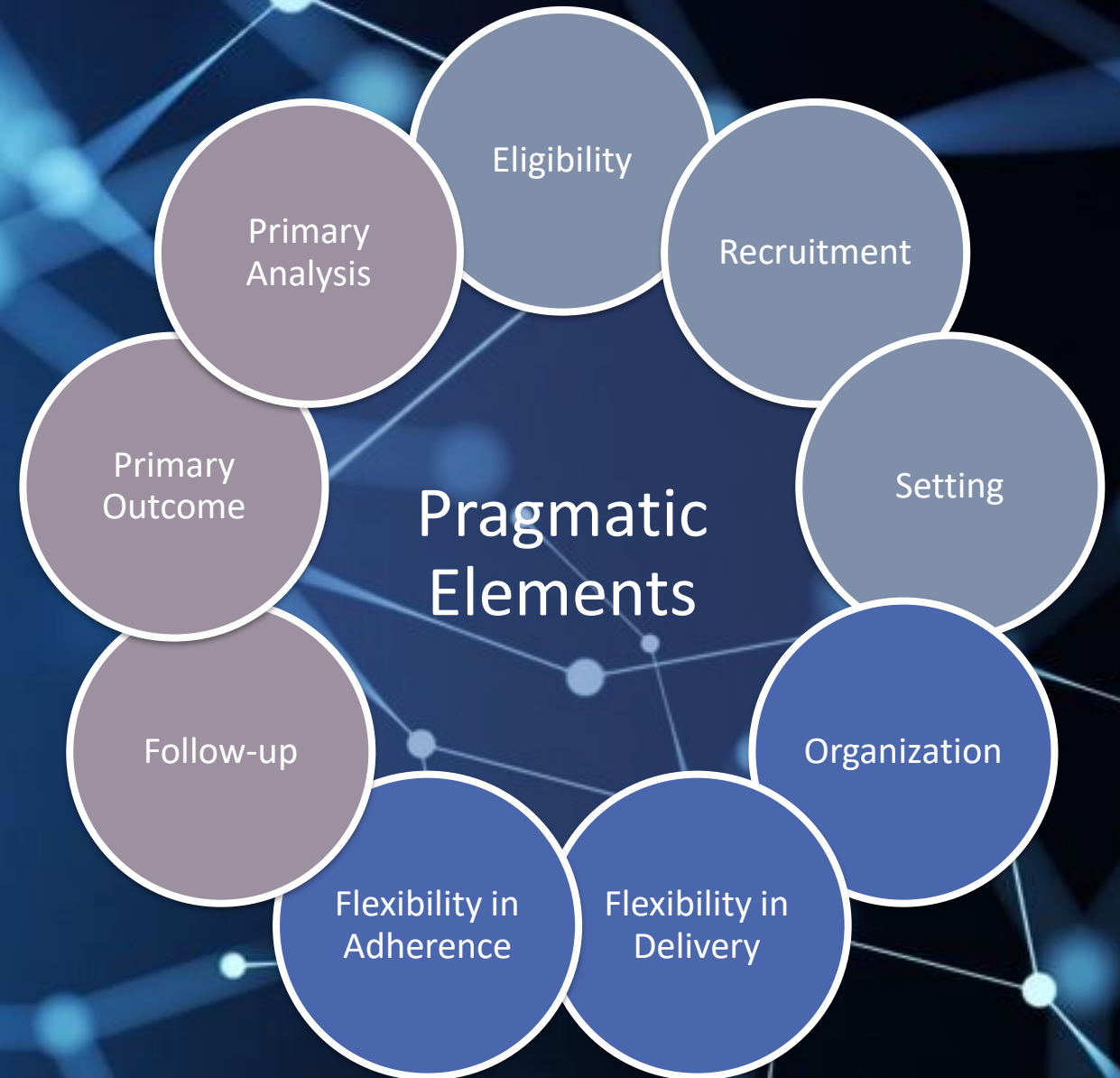
Closer to Routine Care

- Increased Access
- Appropriate Flexibilities

OCE Project Pragmatica

Objective

Advancing evidence generation for approved oncology medical products by exploring innovative trial design approaches that introduce functional efficiencies and patient centricity through integration with real-world routine clinical practice.



What is a Pragmatic Clinical Trial?



A clinical trial designed to efficiently inform decision-making on the benefits, burdens, and risks of health interventions in representative populations by including **pragmatic elements** that

- 1) are partially or fully integrated into routine clinical practice and/or
- 2) that streamline trial design and conduct.

Pragmatic Elements

Design features that can be integrated into a clinical trial, including but not limited to ≥ 1 of the following:

broad eligibility criteria

simplified recruitment and follow-up

flexibility in delivery of the intervention (e.g., community settings)

flexibility in assessment frequency

measurement of outcomes relevant to the population

Pragmatic Domain

Pragmatic Element

Traditional RCT

Fully PCT



Recruitment:
Patients and
Investigators

Eligibility

Who is selected and how representative are patients to intended use population?

Recruitment

How are patients recruited and how may it differ than typical?

Setting

Where is the trial being conducted and what health systems are included?

Organization

What expertise, resources, and systems are conducting the trial?

Flexibility in
Delivery

What flexibilities are being permitted in care delivery?

Flexibility in
Adherence

How is monitoring and adherence being measured?

Follow up

How is follow-up being done and what are the expected differences?

Primary Outcome

How relevant is the primary outcome to patients?

Primary Analysis

To what extent are all data included, available, and auditable?

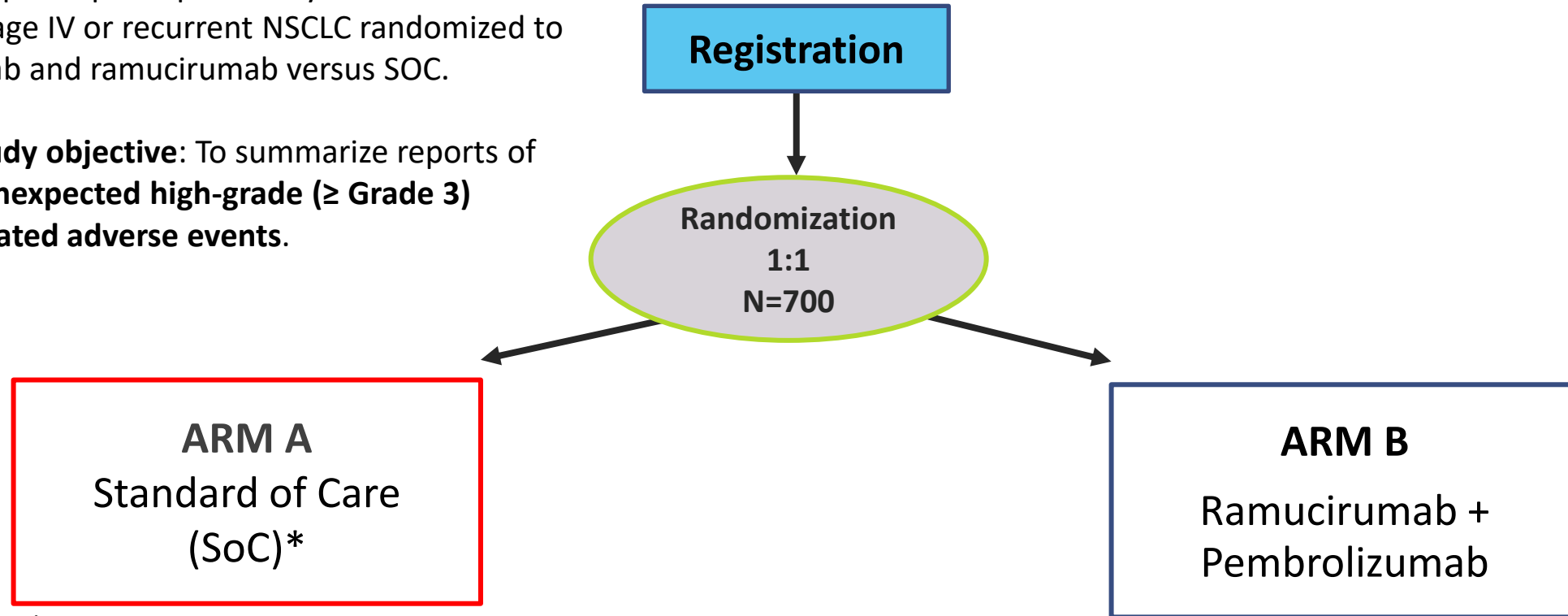
Measurement

Pragmatic Lung Trial S2302 Design



Primary study objective: To compare **overall survival (OS)** between participants previously treated with PBC and I/O for Stage IV or recurrent NSCLC randomized to pembrolizumab and ramucirumab versus SOC.

Secondary study objective: To summarize reports of **serious and unexpected high-grade (\geq Grade 3) treatment-related adverse events.**



*SoC per Investigator.
Recommended to be based on NCCN guidelines and should not be an investigational therapy.

Slide modified from Karen Reckamp, MD: LungMAP S1800A Future Directions

Traditional RCT

Fully PCT



Pragmatic Domain

Pragmatic Element

Recruitment:
Patients and
Investigators

Eligibility

Recruitment

Setting

Trial Intervention and
Delivery

Organization

Flexibility in
Delivery

Flexibility in
Adherence

Measurement

Follow up

Primary Outcome

Primary Analysis

Broadened Eligibility
Criteria

Use of NCORP Sites, Community
Engagement and Enhanced outreach
Community, Health
System, and
Academic US sites

SWOG Coordination, NCI,
NCTN, and Sponsors

Routine Clinical Care;
Dosage Per Labeling

Routine Clinical
Monitoring

Routine Clinical
Practice

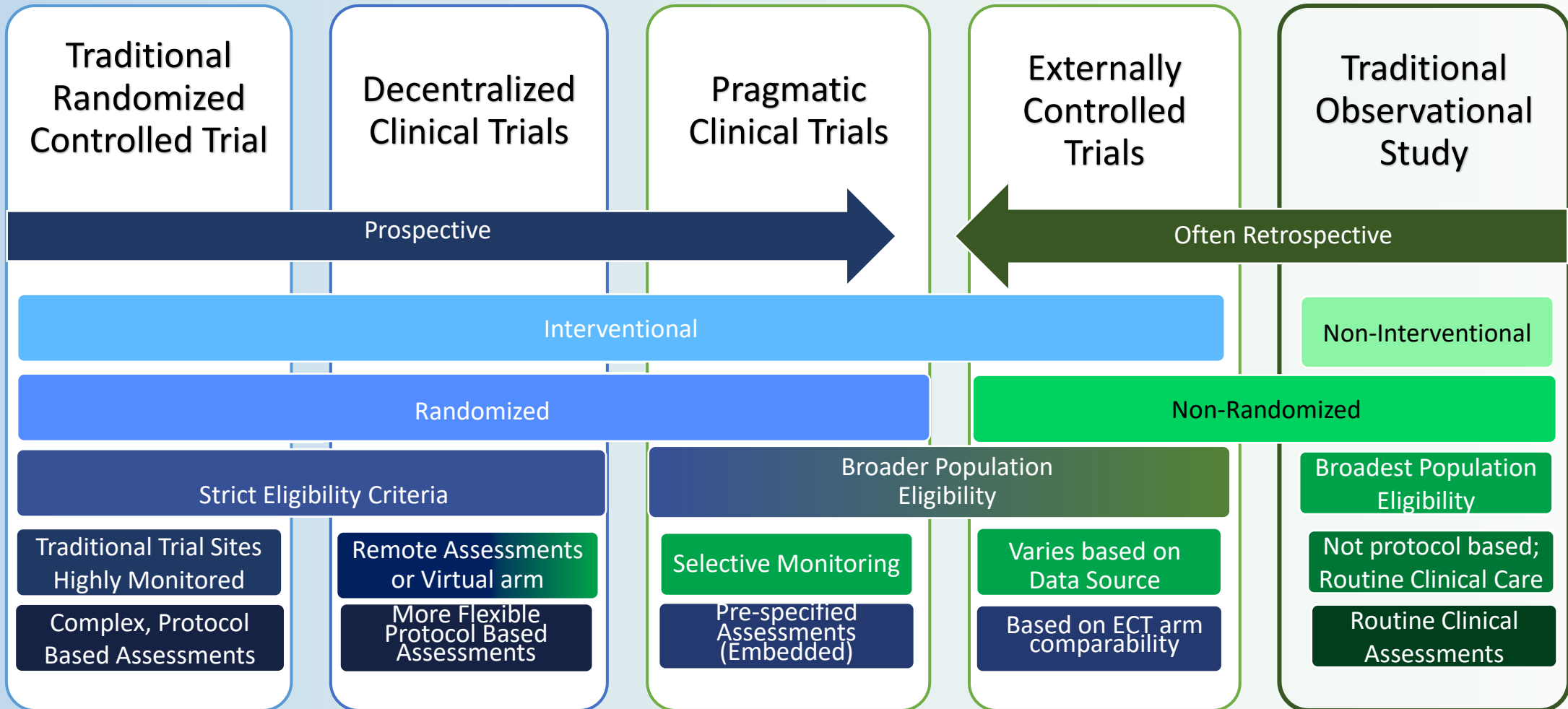
Overall Survival

Efficacy Data;
Limited Required Safety Data

Clinical Evidence Generation Continuum



Data Source



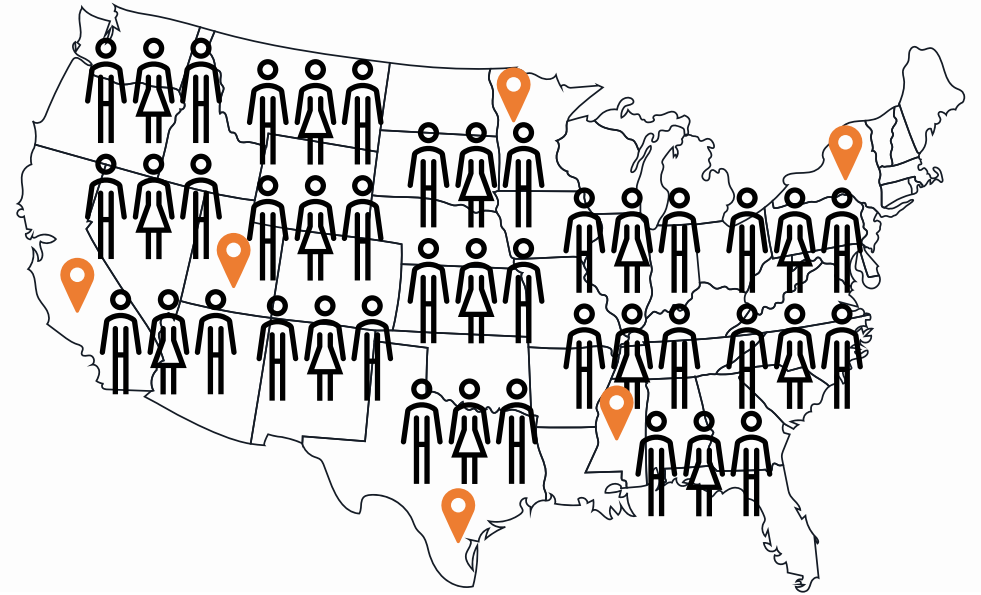
Study Design

Enhancing Generalizability

Global Clinical Trials



US Real World Population



Integrating Clinical Trials into Routine Clinical Practice

Scientific advances and widespread use of EHRs provide new opportunities for the integration of clinical research + clinical care

Location

Bringing trials to places where patients receive their care

- **Improve convenience and accessibility** for participants
- Allow for enrollment of more **diverse populations**

Infrastructure

Leveraging established health care networks and existing clinical expertise

- Reduce **startup times**
- Increase **speed of enrollment**

Conduct

Agreements between sponsors and health care institutions

- **Mixture of trial-related activities**
 - Performed by local HCPs (not study personnel) and by study personnel
- Provide instructions for data collection or measurement consistency

Modernizing Evidence Generation

Innovation

- Streamlining trials requires change in the ways or thinking and working

Inclusion

- Patient- centric trials include patients in trial design and development

Risk Mitigation

- Seek advice early and often from relevant review division

Modernizing Evidence Generation



Possibilities

- Enhanced Integration of Clinical Research and Clinical Practice
 - Example: USDCl+, rwResponse
- Understanding Drug Effects in
 - Underrepresented Populations
 - Rare Molecular Subsets
- Rapid Characterization of Emergent Public Health Needs
- Postmarket Treatment Optimization



Challenges (and Progress)

- Source Data and Quality
- Implementation of PCTs (incentives and risk)
- Causal Inference in Innovative Designs
- Integration and Access of Data Systems, Availability of Raw Imaging Data

OCE Project

Crowdsource oncology community to identify 5 clinically-relevant questions in oncology that can be answered through pragmatic trials over 5 years

Launching on 5/5!

5
5 in

Envision the Future



**Clinical
Practice**



Point of Care



**Clinical
Research**

Thank you!

Additional Questions?

Please email OCERWE@fda.hhs.gov

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- Richard Pazdur
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