

AAOS Registry Analytics Institute® Process for Accepted Applicants

Registry Analytics Institute® Process Overview and Key Details

This process outlines the required steps for applicants whose studies have been accepted for completion by the AAOS Analytics team for the AAOS Registry Analytics Institute® (RAI). Active participation by the Primary Investigator (PI) or designated contact is crucial to ensure successful collaboration and study outcomes.

Project Timeline Overview

- Initial Kickoff Meeting: Your project, once accepted, will be added to our analytics queue. Once it is added to the queue, our Analytics team will schedule the kickoff meeting with you and relevant coauthors.
- Proposal Development and Review: 2–4 weeks.
- Analysis Phase: 8-12 weeks (dependent on study complexity).
- Results Review Meeting: Within 2 weeks of analysis completion.

Step 1: Initial Kickoff Meeting (15 Minutes)

Purpose:

- To ensure the AAOS Analytics team fully understands the study's goals, objectives, and desired outcomes.

Actions Required:

- The PI or designated contact must attend a 15-minute meeting with the Analytics team.
- Goals: Clearly outline study objectives, hypotheses, and key deliverables.

Step 2: Proposal Review Meeting (30 Minutes)

Purpose:

- To review and finalize the analytic proposal created by the AAOS Analytics team.

Actions Required:

- Attend a 30-minute meeting to:
 - Discuss the proposed analytic plan.
 - Provide feedback or suggest adjustments.
 - Confirm the plan for proceeding with the analysis.

Step 3: Ongoing Communication During Analysis

Purpose:

- To address study-related questions that arise during the analysis phase in a timely manner.

Actions Required:

- Respond promptly to inquiries from the AAOS Analytics team to avoid delays in the analysis process.
- Provide clarification or additional information as needed.

Step 4: Results Review Meeting (30 Minutes)

Purpose:

- To review the final results and ensure they align with study goals.

Actions Required:

- Attend a 30-minute meeting to:
 - Discuss the analysis results.
 - Address any questions or next steps for dissemination of findings.

Key Roles and Responsibilities

PI or Designated Contact:

- Attend all scheduled meetings.
- Communicate promptly and clearly.
- Provide required information or documentation without delays.

AAOS Analytics Team:

- Develop and present the analytic proposal.
- Conduct thorough data analysis in line with study objectives.
- Communicate findings and support dissemination efforts.

For questions or additional details, please contact the RAI team at AnalyticsInstitute@aaos.org.

Dissemination Guidelines

- Publication: Ensure all manuscripts follow AAOS publication policies.
- Acknowledgment: Include appropriate credits for the Analytics team.
- Conference Presentations: Notify the Analytics team if findings will be presented and adhere to AAOS guidelines.

Frequently Asked Questions

- **How will meetings be scheduled?**
 - Meetings will be coordinated by the Analytics team and scheduled at mutually convenient times.
- **What happens if I need to reschedule a meeting?**
 - Notify the Analytics team at least 24 hours in advance to arrange an alternative time.
- **Can I request additional analyses or revisions after the project is complete?**
 - Additional analyses or revisions may require a separate approval process and new RAI application. If you believe additional analytics to be required to fulfill the study goals outlined in the original study proposal, this should be discussed in the results meeting. All additional requests will be assessed to see if they are needed to fulfill the study question. If not, it will be our recommendation to submit another RAI proposal.
- **Will I have access to raw data used in the analysis?**
 - Access to raw data is restricted under AAOS policies. Aggregate data findings will be shared per the data use agreements.
- **How do I disseminate study results?**
 - Publish or present findings at conferences, adhering to AAOS acknowledgment policies.
- **What if I encounter delays in providing information?**
 - Delays could impact the timeline. Communicate expected delays to the Analytics team as early as possible.
- **What if the results of my study did not align with my hypothesis?**
 - Unexpected results are a valuable part of the scientific process. While it can be disappointing when findings do not support your hypothesis, they still contribute important data to the broader research landscape. Publication bias - the tendency to publish only positive or significant results - can skew the scientific record, making it essential to share well-conducted studies regardless of outcome. Consider refining your analysis, exploring alternative explanations, and discussing the implications of your findings. Even negative or inconclusive results can help inform future research and guide clinical decision making.