



# Turning Projects into Publications

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# Conflicts of Interest

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- None



# Objective

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- Identify research project ideas and designs that can result in publishable projects.



# Where it Starts! You!

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- You are an “Authority”
- Your practice is unique
- If you want to publish
  - Make journal reading a priority
  - Subscribe to tables of contents email alerts
    - E.g. MEDSCAPE
    - Professional organizations highlight publications in their journal
  - Volunteer as an abstract reviewer
  - Read the meeting research abstracts



# How to Select Meaningful Projects

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- Identify clinical therapeutic or practice management dilemmas
- Search the literature for other publications/projects
  - Developing a new practice or performing QA
- Critique the literature
  - Use a better study design to answer the question
  - Pattern your study off of prior work but in a different area
  - What is unique?



# When Does Preparation for Publishing Start? Before the Project Starts!

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- Be familiar with types of articles the journal publishes
- Review the Author Instructions for submission
- Identify appropriate journals before starting the project
- Who wants to hear your message?



# Journals Publishing Pharmacy Practice Research

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- Pharmacotherapy (Impact factor 2017 3.196)
  - Original Research Articles
  - Brief Reports
- JACCP
  - Clinical Pharmacy Research Reports
- AJHP (Impact factor 2017 1.872)
  - Reports (Clinical Research Reports, Practice Research Reports, descriptive reports)
- AJHP Resident's Edition
  - Published as a quarterly online supplement
  - Research projects or rigorous quality improvement programs that were undertaken while the primary author was a resident



# Journals (Continued)

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- Annals of Pharmacotherapy (Impact factor 2017 2.765)
  - Research Reports
- Journal of Pharmacy Practice (JPP)
  - Research Reports
- International Journal of Pharmacy Practice (IJPP)
  - Original Research
- Pharmacy Practice
  - Original Research
  - International scope



# Journals (Continued)

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- Journal of Pharmacy Practice and Research
  - Bimonthly
  - Research
  - Pharmacy Practice
- Journal of Research in Pharmacy Practice (JRPP)
  - Open access
  - Original articles
  - Brief communications



# Journals (Continued)

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- Journal of Pharmacy Practice and Education
  - Open access
  - Publishing fee
- American Journal of Pharmaceutical Education (AJPE) (Impact factor 1.495)
  - Open access
- Currents in Pharmacy Teaching and Learning
  - Research Paper



# Journals (Continued)

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- JAPhA (Impact factor 1.315)
  - Research
  - Research Notes
- Research in Social and Administrative Pharmacy (Impact factor 2.315)
  - Original Research
  - Research Brief



# Journals (Continued)

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- Journal of Pharmacy Practice and Community Medicine (JPPCM)
  - 4 issues/year International
  - Open access
  - International
  - Not indexed in PubMed



# JACCP Recent Examples

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- **Pharmacists' Perceptions of Implementing a Pharmacist-Managed Area Under the Concentration Time Curve-Guided Vancomycin Dosing Program at a Large Academic Medical Center**
- **Evaluation of Nonmedical Use of Prescription Stimulants by College Students at Three Northeastern Pharmacy Schools**
- **Value of a Clinical Pharmacy On-Call Program on Post-Graduate Year One Pharmacy Residents**
- **Impact of a pharmacist-driven transition of care program for patients with acute coronary syndromes**
- **Impact of a pharmacist-driven transition of care program for patients with acute coronary syndromes**
- **Hospital admission rates of patients enrolled in pharmacist vs nurse anticoagulation management services**



# AJHP and AJHP Resident's Edition Recent Examples

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- **Variability in training, practice, and prioritization of services among emergency medicine pharmacists**
- **Pharmacist-led antimicrobial stewardship program in an urgent care setting**
- **Effects of clinical decision support and pharmacist prescribing authority on a therapeutic interchange program**
- **Comparison of clinical pharmacy specialists and usual care in outpatient management of hyperglycemia in Veterans Affairs medical centers**



# Key article

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## EDITORIAL

# On the methodology of retrospective chart reviews



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Bauman JL, et al. J Am Coll Clin Pharm. 2019;2:6-7.



# Retrospective Observational Studies “Best Practices”

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- Must be approved by IRB (“Exempt”)
- Multi-site study better than single-center study
- Random sampling better than consecutive sampling
- “Exposed” group and comparator group
  - Pre- and post- or another group absent from the intervention



# Retrospective Observational Studies “Best Practices”

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- Sample size estimate and power analysis (mandatory)
- Minimize collection bias
  - Person collecting data blinded to the study
  - Person collecting data undergo training
  - Pilot test of review of collectors data to aid in training
  - Multiple data collectors rather than one
    - Inter- and intra-rater reliability calculated

# The Project is Over Now What? How to turn an Abstract or Poster into a Paper





# Where it Starts!

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- So you completed a project...
- What makes your project publishable?
  - New observations
  - Can it be replicated?
- How to write the abstract
  - Look at the meeting format for abstracts
  - Word limits
  - Don't follow the word limits!
  - Write the "BIG" abstract
- Are you making a poster?
  - Great – you are more than half-way done



# Why Write “BIG”?

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- My memory is fading with each passing day.
- I don't have time to write the paper at the same time I am writing the abstract.
- I can't find the data on my computer or in my office two years from now when I am ready to write.
- If I am working with a student or trainee.....they vanish



# What Should Go in “BIG” Abstract

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- Background
  - Use your study protocol.
- Methods
  - Copy and paste from your “BIG” abstract right into your paper.
- Results
  - Think pictorially when designing the figures and tables for your poster or presentation.
  - Use those in your manuscript.
- Conclusion
- So what’s left to do?
  - Write the discussion.
  - Review of additional work published between abstract and paper submission



# What's Missing?

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- New literature search
- Write the discussion



# Journal Selection

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- Read the journals for article types
- Know the audience of the journal
  - Who needs to hear your message?
    - My opinion:
      - *Pharmacotherapy*
        - Pharmacy “Thought Leaders”
      - *Annals of Pharmacotherapy*
        - International, multidisciplinary
      - *AJHP/JACCP*
        - Hospital practitioners
        - Open access
- Contact the editor prior to submission
  - See who is interested in your work!



# Additional Thoughts

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- Remember once you have put a poster/abstract out there for all to see, the clock starts ticking
  - Topic selection appropriately narrow/focused
  - Others will see your work and it will spark them to publish their work and now yours is not unique