

NATIONAL CLINICAL SKILLS COMPETITION



Student National Pharmaceutical Association



NATIONAL CLINICAL SKILLS COMPETITION INTRODUCTION

The Student National Pharmaceutical Association's Clinical Skills Competition is an educational opportunity for SNPhA students across the nation to demonstrate their pharmaceutical knowledge, patient assessment and clinical presentation skills, as well as effective patient counseling. This year is no different with that fact, but the competition has gone **VIRTUAL**.

The competition will be held **TWO WEEKS** prior to the 2021 National Convention during the weekend of **July 17th and July 18th, 2021**. The preliminary and final rounds (described below) will be spread across those two days with preliminary rounds on Saturday and final rounds on Sunday. There are **two separate** preliminary rounds for the **two competition divisions**. Only **one member** from each team needs to **register the team** on www.SNPhA.org to participate.

The competition will be performed in pairs. Each team will be given a patient case and medication profile to identify pharmacy-related issues, present an appropriate pharmaceutical care plan, and conduct a counseling session. Recent graduates (Class of 2021) or licensed pharmacists are not eligible to compete in the National Clinical Skills Competition. Teams will be placed into Division I or Division II based on the highest team member's academic standing as outlined below. **With the competition's virtual nature this year, P4 students (Class of 2022) are encouraged to participate if they are able to.** Note that students from three-year or six-year pharmacy programs will be placed at the discretion of the National Vice President.

Division I Teams

- P1 (Class of 2025) + P1 (Class of 2025)
- P1 (Class of 2025) + P2 (Class of 2024)
- P1 (Class of 2025) + P3 (Class of 2023)
- P2 (Class of 2024) + P2 (Class of 2024)
- P2 (Class of 2024) + P3 (Class of 2023)

Division II Teams

- P2 (Class of 2024) + P4 (Class of 2022)
- P3 (Class of 2023) + P3 (Class of 2023)
- P3 (Class of 2023) + P4 (Class of 2022)
- P1 (Class of 2025) + P4 (Class of 2022)
- P4 (Class of 2022) + P4 (Class of 2022)

National Clinical Skills Competition Coordinator
Dr. Kofi Andoh - kofiandoh@snpha.org

COMPONENTS OF THE NATIONAL CLINICAL SKILLS COMPETITION

Pre-Orientation Video

Viewing this video before attending orientation is highly encouraged. Participants will have an opportunity to learn how to use the submission form by viewing this short pre-orientation video. This year, we are using a simplified form for teams to turn in the SOAP note. Because there will not be an opportunity to practice using the system before the competition and the entire experience is virtual, it is **highly encouraged** that each teammate watches the competition pre-orientation video.

Orientation

All teams participate. This will occur on Saturday, July 17th. Participants will be instructed on procedures of the competition, introduced to the structure of the competition, and will be allowed to ask questions during the orientation session. Each divisional preliminary round will have an orientation. **Attendance of this session is mandatory for participants.**

Please Note: Competition will be held over Zoom and start **PROMPTLY** on time. Participants will be allowed to start getting on the call as early as 10 minutes prior to the start time:

Orientation will begin at **12:00 PM EDT** for Division I teams

Orientation will begin at **1:00 PM EDT** for Division II teams

Preliminary Round - *All teams participate*

Case Analysis – Participants will be presented with a clinical case and are required to analyze patient information and current drug therapy. Participants will prioritize drug therapy problems, identify interventions and therapeutic recommendations, and develop a pharmaceutical care plan. Participants will have **1.5 hours** to analyze the case and complete the pharmaceutical care plan. Participants will be allowed to utilize reputable resources to complete the preliminary round.

The first 30 minutes of the session will be dedicated to orientation and review of the patient case. The remainder of the time will be dedicated to completing your pharmaceutical care plan.

Please Note: Pharmaceutical care plans will be due at two **DIFFERENT** times for each division

Submit work on the SNPhA website by **2:00 PM EDT** for Division I teams

Submit work on the SNPhA website by **3:00 PM EDT** for Division II teams

Final Round

Top 3 teams from each division will participate based on judging of pharmaceutical care plans

Case Presentation – Participants will have 5 minutes to present their case to the judges.

The presentation should include:

- Introduction (team number)
- Summary of the patient, including health problems
- Detailed recommendations for the patient’s most urgent problem(s)

Q&A Session – Participants will have a 5-minute question and answer session with the judges.

Patient Counseling Session – Participants will have 7 minutes to conduct a patient counseling session on the recommended medication regimen. The participants should counsel the patient to optimize understanding, adherence, and outcomes. The patient may display personality characteristics to challenge the participants’ ability to convey pertinent therapy information.

COMPETITION TIMELINE

All Participating CSC Teams

Preliminary Round - **Saturday, Jul. 17th**

- Orientation
 - Case Review with National Vice President, Dr. Andoh
 - 1.5 hours to evaluate patient case and complete SOAP note/care plan
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- Finalist CSC teams notified by 10 PM EDT

Top 3 Teams From Each Division

Final Round - **Sunday, Jul. 18th**

Earliest start time being *3 PM EDT*

- 7-minute patient counseling session
- 5-minute clinical presentation
- 5-minute Q&A with judges

Monday, Jul. 19th-Sunday, Jul. 29th

- Promotion of finalist teams on SNPhA site
- Winner announcement at on final day of 2021 NPhA/SNPhA National Convention

GENERAL COMPETITION INFORMATION

Resources

Student pharmacists are allowed to use the resources **noted in Appendix A** during creation of their team’s pharmaceutical care plan. Please carefully read the list of pre-approved resources.

Electronic or online resources will be limited to drug databases and clinical practice guidelines. No other forms of electronic or online resources are allowed. Participant’s are responsible for their own internet access and for submitting the case. Questions about resources not listed on the pre-approved list are subject to approval by the National Vice President.

NOT ALLOWED:

- Class notes and other notes not commercially available
- NAPLEX reviews
- Cheat sheets
- Electronic and or online resources other than drug databases and practice guidelines

Use of unapproved resources may result in a penalty at the discretion of Dr. Andoh

Judging

Judges will evaluate the pharmaceutical care plan according to the criteria listed in the guidelines. The final round will have a panel of at least 3 judges. Judges will evaluate and score each team on the interaction and information presented during their clinical case presentation and patient counseling session. Teams' school affiliations will not be taken into consideration.

Attire

Student pharmacists will be expected to dress professionally during the virtual competition. White coats are **MANDATORY** attire during the competition. Students must supply their own.

Eligibility

1. Participants must be current national SNPhA members.
2. Participants must be enrolled in a full-time Doctor of Pharmacy Program.
3. Must not be a licensed pharmacist or be a recent graduate from a pharmacy program.
4. Teams must be present at the CSC Orientation, preliminary round, and final round at their designated time or will **forfeit their participation**.

Rules

Students must meet eligibility requirements

- CSC participation is limited to availability on a first come, first serve basis per school.
- Chapters may register an unlimited number of teams. There are an **unlimited number of spots for each division from any school of pharmacy**. All are guaranteed participation.
- Students are required to dress professionally and wear their white coats.
- Students are not to discuss the case with others except their teammate.
- Judges' decisions are final and are not subject to appeal.
- Students are only to use pre-approved references found in **Appendix A**. Participants may use resources not found in Appendix A if approved by the Clinical Skills Competition Coordinator.

OUTCOMES MEASURED IN THE COMPETITION

Problem Solving Skills

Clinical thinking is essential in patient management in healthcare. Students' ability to think through problems systematically are graded for consistency and therapeutic knowledge.

Communication

Communication is essential to the pharmacist in providing a continuum of care between healthcare professionals and patients. It empowers the pharmacist to help patients have a fundamental understanding of how to take their medications and to avoid adverse reactions. Students are expected to display professional, effective written and verbal communication skills.

Therapeutic Knowledge/Management

Medication therapy management is a daily expectation of pharmacists. Management and adjustment of medication therapy is graded on purpose and benefit. Students are expected to provide evidence-based medicine while identifying and prioritizing drug therapy and problems.

Pharmaceutical Care Plan

Development of a pharmaceutical care plan is required not only to document the current regimen, but also to provide an outline of the goals of therapy for the patient. Each team is expected to develop a written pharmaceutical care plan that will be evaluated for completeness, therapeutic benefit to the patient, design, and implementation of evidence-based medicine/guidelines.

Counseling Session

Medication education and counseling give patients information about their regimen and how to properly take their medication(s). Students are expected to provide medication education to the patient in a manner that the patient can clearly understand and use to benefit their therapy.

EVALUATION OF TEAMS

General Rubric – Pharmaceutical Care Plan

Problem Identification and Prioritization

- Identification of the most urgent issue
- Patient conditions are identified based on evidence based medicine
- Patient issues are properly prioritized

Therapeutic Goals

- Goals are patient specific, relevant to the needs of the patient, and attainable

Drug Therapy Recommendations

- Recommendations are patient specific, appropriate & predicated on evidence-based medicine

Monitoring Parameters

- Monitoring parameters and intervals are appropriate to patient problems and drug therapy

General Rubric – Clinical Presentation

Presentation Skills

- Verbal and non-verbal communication
- Completed within the allotted 5-minute time interval

Drug Therapy Comprehension

- Comprehension of drug therapy recommended and appropriateness

Clinical Judgment

- Problem-solving and decision-making skills
- Ability to defend clinical judgment of recommended therapy with evidence based practice

General Rubric – Patient Counseling Session

Patient Interaction

- Systematically thinks through problems and presents medication information in a logical order
- Displays confidence and the ability to control and direct the counseling session
- Manages time effectively
- Demonstrates efficient teamwork

Communication Skills

- Displays effective verbal and non-verbal communication skills
- Uses an interactive approach to assessing and verifying patient understanding through the use of open-ended questions
- Uses language the patient will be able to understand
- Demonstrates effective counseling techniques

Professional Knowledge

- Provides drug education to the patient in a manner that the patient can understand and use to benefit their therapy
- Conveys accurate information including, but not limited to medication, indication, dosage, form, route, duration, pertinent side effects, precautions, interactions, missed dose procedures, storage recommendations, and specific techniques for self-monitoring
- Discusses any potential therapeutic problems
- Recognizes compliance problems and increase adherence

COMPETITION PRIZES AND AWARDS

DIVISION I

1st Place Team (*per member*)

- \$1,000 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

2nd Place Team (*per member*)

- \$800 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

3rd Place Team (*per member*)

- \$550 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

DIVISION II

1st Place Team (*per member*)

- \$1,000 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

2nd Place Team (*per member*)

- \$800 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

3rd Place Team (*per member*)

- \$550 cash prize
- SNPhA/Kroger National Clinical Skills Competition lapel pin
- 1-year subscription to Lexi-Complete

APPENDIX A

PRE-APPROVED REFERENCES FOR THE CLINICAL SKILLS COMPETITION

The Clinical Skills Competition encompasses material on prescription, over-the-counter, and herbal medications. Below is a list of pre-approved references that can be used during the competition. This list is by no means all-inclusive. Any other references that you feel will assist you in the competition may be used but are subject to approval by the Competition Coordinator.

Class notes, and/or cheat sheets are not allowed, and electronic resources are limited to drug databases and clinical practice guidelines only. As a rule of thumb, only resources that are commercially available for all participants to access will be allowed for the competition.

- AHFS Clinical Drug Information® (ASHP)
- American Drug Index
- DiPiro (Pharmacotherapy: A Pathophysiological Approach)
- Drugdex Drug Evaluation Monographs
- Drug Facts & Comparisons
- Drugs in Pregnancy and Lactation
- Goodman & Gilman's The Pharmacological Basis of Therapeutics
- Handbook of Injectable Drugs
- Handbook of Nonprescription Drugs
- Koda-Kimble and Young's Applied Therapeutics: The Clinical Use of Drugs
- Lange – Basic and Clinical Pharmacology
- Lange – CURRENT Medical Diagnosis and Treatment
- Lexicomp® Drug Information Handbook
- Martindale: The Extra Pharmacopoeia
- Merck Index
- Meyler's Side Effects of Drugs
- Mosby's GenRx
- PDR (Physician's Desk Reference)
- PDR Concise Drug Guide for Pharmacists
- PDR for Herbal Medicines
- PDR for Nonprescription Drugs, Dietary Supplements, and Herbs
- PDR Generics
- Red Book
- Sanford Guide to Antimicrobial Therapy
- Sigler's Dietary Supplement Drug Cards
- Sigler's Prescription Drug Cards
- Sigler's Nonprescription Drug Cards
- The Complete German Commission E Monographs
- The Review of Natural Products
- USP Drug Information
- Washington Manual of Medical Therapeutics
- Lexicomp® Online (electronic resource)
- Micromedex® Solutions (electronic resource)
- UpToDate® (electronic resource)
- PubMed.gov (electronic resource)