

2020 ASHP Virtual Midyear Clinical Meeting Professional Poster Reviewer Comments

**Comments are listed by the primary author's submission ID#.
(Reviewer comments were not edited or checked for grammatical errors).*

Submission ID	Reviewer Comments
892854	This study shows the amount of money saved from purchasing antimicrobials and the number of "units" of antimicrobials after starting an Antimicrobial Stewardship Program. However, it is difficult to say if the ASP was the reason for the decrease in cost and quantity. What were the antimicrobials that were decreased? Was there a cost savings due to the decrease price of medications? What is the definition of "unit" when describing the quantity? Again what were these antimicrobials? The best part of the study is describing the decrease of cost for the antimicrobials restricted by the ASP. Recommend analyzing the data with statistics to determine significance of the difference. Recommend including the length of stay and outcome of the patients.
892854	Well written evaluative study showing cost savings and a modest decrease in antimicrobials purchased.
892854	Overall good abstract and project showing the value.
894580	Were all the parents asked the same questions in the telephone interview? Description of the Meds to Beds program at your hospital would be helpful.
894580	Very interesting topic, and quite surprising that the parents' perspective on this transition is missing in current literature.
894580	Interesting observations. I think it would be nice to know if these parent observations were shared by the majority of those included in the study, or just a random sampling of comments.

Submission ID	Reviewer Comments
896121	<p>Consider removing "of the appropriate use" from the title and just go with "Assess the use of...". The type of surgery performed was mentioned in the results but it was not mentioned in the methods sections. Likewise, no mention of collecting demographic information. No mention of the project being approved by an IRB. Were any patient characteristics collected that could affect selection of antibiotic or dose? It seems that without this information, it may be more difficult to assess appropriate use. This project would have been better if there was some initiative to improve the poor use of prophylactic antimicrobials. Just reporting that the use of antibiotics was inappropriate is only part of the story. Maybe next year you could bring the poster idea back after you have implemented a program to fix the problem.</p>
896121	<p>I would be interested to also see what the plans for your hospital would be now that you know that there is an issue with antibiotics and surgical procedures.</p>
896121	<p>any ideas for what pharmacist intervention would be most useful? protocolization? standardized order sets? leveraging the EMR for decision support?</p>
896286	<p>no data to analyze - descriptive report might be interesting to know if this is the only case in your institution that has received this drug.</p>
896286	<p>Well written and easy to follow.</p>
896286	<p>Great topic! Please clarify the meaning of "young healthy volunteers"</p>
897017	<p>Interesting study, good outcomes were chosen. Another additional outcome could have been nursing, pharmacy, and physician satisfaction.</p>

Submission ID	Reviewer Comments
897017	Overall, abstract is well-written. Methods are described well.
898445	Check grammar. Detail/include example of educational material. Methods could include more details. Is cost a relevant outcome?
898445	A couple abbreviations (COPD in purpose section, CMS in methods section).
898445	Great project. I wonder if any of these patients received samples as inhalers are so expensive. Statistical analyses were not defined
898493	Thank you for this submission. Great inclusion of use of pharmacy consultation in conclusion. You could possibly describe the impact more thoroughly.
898493	Study is small, but outcome could impact practice and patient outcomes.
898948	There is a good summary of the guidelines, but the purpose does not state what the purpose of your study. You eluded to the fact in the results but it should be stated in the objective
898948	Can you provide #'s for each group -- those with nasal swab and those without. Why were there any patients without a nasal swab? Was LOS the same for both groups?

898948	Watch your English: Should read: "Four and a half months of data WERE analyzed."
899020	Might be a good idea to define MUE once. This is not an abbreviation used regularly in my practice so it may not be obvious to some members of the audience. Also, co-occurring" is a somewhat strange term.

Submission ID	Reviewer Comments
899020	There would be interest in knowing of any actions taken as the result of this MUE.
899170	It is generally helpful for healthcare providers to not prescribe antibiotics when not indicated. I recommend repeating the study with sufficient sample size to provide the study with 80% power, at 2-sided alpha level of 0.05.
899170	Did not include IRB or ethics committee approval as per criteria.
899459	Provide specific data (# of participants, SD, etc) Unclear methodology Purpose not clearly stated
899459	Add name of statistical test used, and write out pseudomonas (no abbreviations).
899459	The title was not very exciting and could have been more detailed (perhaps the current title with addition of practice setting). Overuse of aztreonam is a common problem. I would also include that aztreonam lacks gram positive coverage in the introduction as another reason why it is inferior to other options. It would be nice to know how this written information was disseminated to the medical staff (EMR pop-ups, emails, posters, etc)
899736	Interesting! This is a topic relevant to many institutions, and therefore sharing this information is helpful to better discern how to make the choice of which agent to use, and how to use them. Since you only had 63 patients, I am eager to see more details on the patient demographics, and

	medication selection patterns (e.g. number of different prescribers) in the poster. I enjoy seeing sound data analysis to help make decisions in practice. Thank you for sharing!
899736	Very well done study. Excellent methods.

Submission ID	Reviewer Comments
899959	Are there any plans to make change to hospital protocols around CHF based on the findings or your study?
899959	Need to include total number of patients vs only percentages do you have 5 patients enrolled or 200 I cannot tell the impact of this .
899959	The project did not include data on measurable patient outcomes such as reduction in hospital readmissions and medication adherence in patients receiving the pharmacy-led counseling service.
900190	Excellent and practical project!!! Think it would be great if the criteria/policy for restrictions could be included on the poster, space permitting, in an abbreviated manner. I am sure other institutions would like to be able to "borrow" what you did. Kudos to you on this project. I hope that this helped you saved some FTEs. Please include data on FTE savings, if any, on the results.
900190	impressive project

900190	Very well done. There was no comment about if pharmacy specifically had a P&T approved authority to change tolvaptan to the urea alternative. If not, how did physicians know this alternative existed?
900342	interesting piece. a little concerning that the increase in proportion of patients with reconciliation was less than the increased percentage of hours. Title should probably be "med-rec" not "med-wreck"
900342	I would try to resurvey physicians to provide a closed loop in your data collection
900342	Excellent review and expansion of the technician role.

Submission ID	Reviewer Comments
900514	Interstoring poster and outcomes. I would have thought this would be beneficial;yet, it didn't show that. This is good information to share with others to brainstorm other ways to decrease STAT meds.
900514	More information should be added about the implications of this intervention especially in terms of cost implications It would be interesting to see more about wastage of medications as a result of not using them within their time limits
900514	What type of retrospective design did you use (Cohort or Case Control)? Did you use the STROBE recommendations for observational research? Please suggest other factors for future evaluation.
900549	Good results that support the role of pharmacists in the MICU; would edit w/some grammatical errors, but overall good study.

900549	Please disclose p-value for mortality.
900549	*Analgesia & Sedation, would change evaluation to either 1 or 2 hours not both, make it more definitive. State as baseline characteristics,AJOU University Hospital, Glasgow Coma Scale, Richmond Agitation Sedation Scale (use capital letters), 38 cases , meaning interventions? p. value of 0? Need to include baseline sedation 24 hr dose and the 24 hr after to better help assess the difference, was the change mean or median? was the data equally distributed? What was the baseline RASS score vs. after intervention? Would write results a little different compare 1st your icu length btwn accetped and rejected and then ventilator days, exclude mortality results, not sure it pertains to the study. there is no pvalues for the later interventios? what was the pimary outcome vs. the secondary outcome? what was the baseline characteristics were they equal? Dont agree with the conclusion, dont believe that there is a direct correlation between the intervention and mortality there is other variables that have a greater impact on mortality. also there was not pvalue for that intervention, did the study meet power?
900970	Very useful and shows usefulness of pharmacy services.

Submission ID	Reviewer Comments
900970	It was unclear if a clinical pharmacist was reviewing the charts because 'pharmacy assistants' was the term that was used in the paper throughout except in the title and purpose.
900970	I am confused as to what the goal of this project was - are the prescriptions being reviewed by pharmacists or pharmacy assistants? The objective and the conclusion do not match up with who is doing what role in this.
901066	interesting idea!

901066	Patient education is always a good topic. I think this was well designed and carried out. Reinforces the need for pharmacists to not take for granted that patient's understand and remember the things we teach. Nor that things we think are common knowledge truly are.
901066	Interesting how many still lack basic acetaminophen knowledge. Though basic, this initiative provides a valuable service.
901102	Abstract in incomplete with both results and conclusion pending. Unclear what is being measured as well.
901102	Recommend defining study outcomes (e.g mortality, LOS, requirement of MV). Looking forward to results.
901111	Good study that demonstrates the need to improve the monitoring of medications in patients with renal impairment. Recommend to better define inappropriately prescribed (IP). Was it referring to dosing in renal impairment only or for other reasons as well? Contraindicated medications were reported based on renal function, however, does IP include medications that are high risk to worsen renal function? Or the number of high risk renal impairment medications? Since AKI patients were included, were the medications that were inappropriately prescribed during the time the creatinine clearance was < 60 as well as the time it improved? Recommend describing if pharmacists verify the medications and doses at this hospital.

Submission ID	Reviewer Comments
901111	Well written however, what is pharmacy presence in this institution? Why is inappropriate prescribing so high and how is it being addressed? Recommend a more descriptive/detailed purpose and conclusion.
901111	Overall a good project to share. On the poster, ensure you spell out all acronyms (e.g. eGFR) . Providing the finer data details was good to see and of value to the poster audience.

901166	Clear and easy to read. Large number of orders reviewed.
901166	Methods are bit confusing - not sure what the prospective part of this is? I assume it was the post-modification period. Unclear if data actually collected prospectively.
901166	Thank you. I look forward to learning more about medication point-of-prescribing alerts.
901185	Was part of the initiative to get more MRSA PCRs? Recommendations for coverage of MDROs vary based upon indication. Would recommend stating how many patients were receiving vancomycin for HAP vs CAP vs VAP?
901185	Overall, well written and well detailed abstract.
901185	Relevant topic. I would have liked to see a larger increase in percentage of PCR ordered post implementation; however, overall the results were positive.
901218	Interesting topic and well presented.

Submission ID	Reviewer Comments
901218	Loved this - very relevant. Well-written.

901218	Survey well completed and regarding an important subject. It would also been nice to report if pharmacists worked at the same store. This would show whether stores are encouraging pharmacists to do education on CBD oil. Some readers may expect this outcome and would rather have a study where you complete the survey, implement education, and then do another survey to assess the education of CBD oil. This would be more beneficial for the pharmacists completing the survey and other pharmacists to use the verified education.
901401	Good summarization of methods.
901401	Interesting topic, though since this medication is already approved for this indication, I am not clear on what new information can be brought to the table in regards to clinical utility.
901401	Great job
901806	Running different stats on a phase 3 trial is not original research.
901806	Interesting and should be of interest for pharmacist providers.
901807	Useful topic in antimicrobial stewardship.
901807	Great job

Submission ID	Reviewer Comments
---------------	-------------------

901807	Not an entirely innovative strategy for evaluating PCN allergies but nice to see supporting data that such strategies work.
901811	It is unclear what time to first order verification is, is this time it took to verify an order? How is this outcome relevant? How does this data get generalized? What questions were asked in the survey? The first period of time would have been so vastly different given the climate that the bias surrounding the type of orders and patients would be immense.
901811	This is a great analysis of the conversion to remote order verification. It is good to see that time to order verification was similar hinting at similar productivity. Why do you think the total orders verified and percent of orders verified decreased?
901811	Interesting study and very timely.
901825	Excellent study further validating TAF efficacy and safety. Would like to see statistical analysis of renal and BMD outcomes.
901825	Objective was not specific. Methods lacked any description of how the study was conducted, what variables were studied and how efficacy and safety would be determined. Several abbreviations were used that were unclear and not defined.
901964	This study adds value to the current literature, particularly with the accelerated approval of voxelotor based on only increase in hemoglobin in sickle cell disease. It is innovative in that it pushes other investigators to explore the impact of this agent on other clinical benefits, particularly sickle cell disease symptoms, which could be highly debilitating. Furthermore, it pushes for more studies to explore the effect of voxelotor in a wider patient population, including those with less stable hemoglobin and more severe symptoms at baseline. It was not clear from the title that the study was specifically about an agent. Suggest to modify the title for presentation to make it clearer to the audience.
901964	There would be greater value in redoing this submission but taking all the recommendations that you make in the “conclusion” section.

Submission ID	Reviewer Comments
902051	The annual savings of \$7006 was not very impressive to this reader.
902051	Did not include IRB or ethics committee approval comment as required.
902051	The information presented is useful. Adding information about specifically how patient and clinician feedback was collected about be helpful. We are unable to determine anything about efficacy of the two products.
902064	<ul style="list-style-type: none"> -- Well written study -- appropriate information/data included -- Conclusion is supported by results
902064	What a robust project! Methods are well documented and results are fascinating!
902064	Interesting study and great design.
902509	Relevant stewardship analysis to guide future decision making.
902509	Did the authors use the tool to make changes in antibiotic therapy? I expected to see data on antibiotic changes this based on the purpose statement. If presented, please make sure to add more detail to the background/purpose.
902509	Wording of results is a little confusing and hard to follow. Could consider rewording. Were any statistical tests done?

Submission ID	Reviewer Comments
902743	Did the cost of andexanet alfa (from manufacture) change at all year to year?
902743	What was used for your cost basis for andexanet alfa?
902743	While this is a relevant topic, the abstract is unclear whether this study was performed based on data from one acute care hospital or multiple? Reviewed is assuming just one hospital, and if so how were the costs calculated? How many patients included? This pertinent information that would be ideal to include in abstract for the audience to get a better grasp.
902863	Additional details on control group identification and comparison would be beneficial to ensure appropriate comparison between control and intervention arm. Additional results seem needed to support conclusions.
902863	limitation of the study may need to be discussed.
902863	Very promising work for psych-RPh interventions. In the poster, could discuss the details in education contents. Also, could discuss how control group was selected.
903183	Extremely detailed descriptive report. No recommendations.
903183	Overall great project and well written! For the poster, I would advise to not use the "brand" product in the title and throughout the writing. Rather, list it generically as a kiosk or other term to avoid promotional nature perception.
903183	Question: why would the ScriptCenter Kiosk be expected to change the number of prescriptions sent to the MCE, which is your primary outcome? In other words, how does having ScriptCenter affect where prescriptions are filled? What does ScriptCenter do that it would affect where the prescription was filled?

	<p>There are a few typos but the abstract is generally well written. A major assumption of the project is that the increased number of prescriptions filled at the kiosk provided patients with a more positive experience, but that isn't necessarily true. There may have been influencing factors that determined where patients filled their prescriptions like whether how they were informed the kiosk existed and how it worked, whether they wanted to avoid contact with other people due to anxiety, whether they were guided to the kiosk by pharmacy personnel, etc. The project seems like a good sales pitch for ScriptCenter, but there are other questions that remain unanswered to say it positively impacted patients.</p>
903241	<p>The combination of "time of admission or onset of bleed" compared to time of medication administration seems like there would be great variability between the two. How did you decide which to report if a subject had both times available? It seems to me it was most commonly admission from the reported median of 1 hour.</p>
903241	<p>Excellent topic and very interesting results.</p>
903241	<p>Very well written article.</p>
903274	<p>What method was used for eGFR? what about radiographic studies requiring contrast administration? What about administration of other nephrotoxic medications? What was the most common medications prescribed inappropriately? How will this information be used in the future?</p>
903274	<p>Something that should be highlighted in the methods is what duration of time a patient had to have an "inappropriate prescribing" in order be included. For example, I would be disinclined to adjust medications for a one-day CrCl below the cutoff, but wait until I see a clear pattern to adjust. Also, were these mostly "on medications with subsequent decrease in renal function and no adjustment" or "established issues with renal function and inappropriate initial prescription." Did this include both under and over dose prescribing? For example, people often adjust apixaban for renal function, despite the fact that VTE indication doesn't have an adjustment according to published data.</p>
903410	<p>This is an interesting case report and certainly relevant in a time when hand hygiene is of utmost importance.</p>
903410	<p>Would suggest including background about any other similar case reports in the literature.</p>

903410	Good description of the case and suggestion to prevent future issue.
--------	--

Submission ID	Reviewer Comments
903417	It is difficult to follow how the authors came up with the two groups of patients that are compared: no sleep medication vs. sleep medication. Results say compared to baseline, patients taking zolpidem... but this is really patients that have not been prescribed any sleep medication? Can you compare quality of sleep information in group of patients that has not gotten a sleep medication to patients that have gotten a medication?
903417	Great patient population umbers and data analysis. Interesting topic. Do you have any information regarding how long these patients have been taking these agents? And, did that have any impact as to how they answered the questions?
903417	Minutes required to fall asleep based on patient report is extremely subjective as it would be nearly impossible for that patient to know exactly when they fell asleep vs the last time the patient noted the time. Please describe how specific pharmacologic agents were chosen for each patient. Please also note if patients tried a different agent if they did not feel that the initial agent was successful in decreasing insomnia, since it is well known that patients respond different to different agents. Please also describe the time period that patients were provided to utilize the pharmacologic agent. Of note, there were two agents from the same class for both benzodiazepines and non-benzodiazepine hypnotics, but only one agent from other classes were chosen. Please elaborate as to the reasoning behind this.
903444	Would like to have read about any training staff received.
903444	The methods section would benefit from further detail describing the phases and corresponding activities. (Is slightly unclear as written, and would make the results more clear as well).
903524	This abstract describes characteristics of patients for whom chlorthalidone was used in a county health system outpatient population, whether the medication ws being used according to prior-authorization criteria, and the % of patients with improved BP control after adding chlorthalidone. The results are of interest, but the abstract is a bit confusing to follow. The purpose stated by the authors is to "evaluate the appropriate use of chlorthalidone" and "its compliance with established criteria" . This might be better stated ast to "evaluate whether

	<p>chlorthalidone was being used appropriately and whether it was being prescribed according to prior-use authorization criteria". The methods do not state any criteria for appropriate use, only the prior authorization use. This should be specified by the authors. There also should be a statement that this study was approved by the IRB. Although the title notes that this is a county health system, this is not stated in the methods. It would be helpful to state that this was a few of outpatient chlorthalidone prescribing in a county outpatient system and the number of facilities it involves (?just a hospital outpatient clinic, Xnumber of outpatient clinics?). In the results, I was looking for the outcomes noted in the the purpose (how many pateitns had uncontrolled hypertension on 3 meds includng HCTZ), but most of the section is describing different demographics that are grouped in a seemingly random way. For example 95% of the patients eitherhad essential hypertension or uncontrolled hypertension. These two categories are not mutually exclusive. I'd be interested in how many had essential hypertension and how many had secondary hypertension, and how many did not have hypertension (the heart failure patient)</p> <p>Controlled vs uncontrolled hypertension is another category.</p> <p>The one percentof patients wit ha mix of conditions not related to whether they had essential or secondary hypertension is listed and the categories do not make sens.</p> <p>How many med were the patients on before adding chlorthalidone along with the BP data that was reported.?</p> <p>The results should be much better organized with the bottom line that in the patients that did receive chlorthalidone (with a better description of characteristics of who these patients were) had better BP control and so the prior authorizaiton criteria may be too limiting. Finally, since patient data is reported here, an IRB approval should be noted in the methods.</p>
<p>903524</p>	<p>How many patients in your study on three antihypertensive agents of different classes prior to initiation of chlorthalidone? I see that 78% of patients were on two or more antihypertensives prior to chlorthalidone, but how many were on three agents (as required in your prior authorization criteria)?</p>
<p>903524</p>	<p>It is not mentioned whether an IRB approval was received or it was mainly a quality driven project. IRB is needed</p>
<p>903568</p>	<p>Good project with detailed method and results.</p>
<p>903568</p>	<p>APPE students are sometimes under-utilized. This study serves as a great example on how to optimize learning experiences for PGY1 residents as preceptors/trainers and APPE students as patient educators, while improving patient outcomes. It is a great way to advance the pharmacy profession, as we expand learning opportunities for pharmacy learners. This poster presentation would add value by providing detailed steps on how this project was developed and implemented so it could be replicated by other hospitals. Handouts, including the pre- and post-learning assessments, training checklists, and procedural instructions, would help facilitate that.</p>

903767	Interesting topic and of value in the current practice setting
903767	To put this information into context, what was the error rate prior to implementing the new system? I don't think you can say that it reduces errors without a baseline comparison.

Submission ID	Reviewer Comments
903767	Statistical analysis is important. I would suggest reviewing statistical analysis and processes. Barcode scanning is ubiquitous, and not a new idea. Expand on the idea in a novel way.
903825	Most important point from this paper is that when the H2RA was removed prescribers stuck with a different H2RA rather than switching to a PPI. Does need some revision for English language for poster.
903825	While this is interesting to see what was utilized with the ranitidine recall, the utility of this project really has no impact nor can anything be inferred from the results.
903825	Good write up and review of the market trends.
903901	It would be interesting to define what areas of the protocol were not complied with that led to over prescribing (ie: what did the review identify was causing an overuse or misuse of albumin) Outcomes data such as IDH would be interesting to include (was there any different in the outcome of IDH occurring in the albumin vs NS saline groups pre and post intervention?)
903901	Well done, overall. Be sure to define the role of the pharmacist in reviewing hemodialysis orders at the institution. Do they verify orders? Do they intervene when the protocol is not followed? Do hemodialysis orders originate from an order set?

	<p>This project may help other institutions evaluate their own albumin use and quantify cost savings associated with enforcing appropriate use.</p> <p>I think the cost savings estimate of this intervention is appropriate for a MUE and you did a nice job explaining how the cost savings were not at the expense of patient outcomes in the "purpose" section of the abstract.</p>
903901	Strong cost savings with feasible pharmacy intervention. Great work
903909	Interesting study results- given the large rise in use of these drug classes for dm + ckd, the results helpful in guiding selection of treatment.

Submission ID	Reviewer Comments
903909	Excellent study- especially since these agents have differing cost of therapy. will help with choosing agents.
903909	Mean vs median? (was the data equally distributed?) Was there equal number of patients in each group prior to PS? Was there enough patients to meet power? Was there a pvalue for the primary outcome? No stat were included for the GLP1 vs. OADM? (would still be good see those numbers) What pvalue is considered to be your stat sig threshold? (p<0.05 vs p<0.01?)
903984	It is unclear what the intervention(s) were, the statistical analysis used, and it was unclear until last sentence of the methods that this was a retrospective review.
903984	Well done. Useful information - broad appeal.
903984	This a great study to show that implemented initiatives decreased the number of broad spectrum gram negative antibiotic use without worsening outcomes. It is important that you included the mortality and readmission outcomes. However, was this data for those who did receive broad spectrum gram neg antibiotics or would have received broad spectrum gram neg antibiotics? How did you determine who would be included in the 2019 data? I recommend that you also state some of the major initiatives that you implemented. This would inform the reader what

	initiatives are helpful, otherwise what is the value of the article other than saying an antibiotic stewardship committee can decrease antibiotic use, but doesn't say how they accomplished it.
903985	<ol style="list-style-type: none"> 1. Were these inpatients, outpatients, inpatients with discharge scripts for clinda, etc? 2. Did you have any secondary outcomes - ADRs, cdiff, treatment failures, or dosing strategies all come to mind. 3. Any plans to tie clinda use to indication - what percentage of clinda use was intended to be for S. aureus? Thus, what does your data look like when you exclude patients with purely S. aureus infection if the real goal was to minimize clinda for anaerobic use?
903985	Strong, well-written abstract. I would like to see more of your voice come through in the conclusion - for example, how do you see this changing practice in the future? Would your organization benefit from continued production of these antibiograms in the future? Would it be helpful to separate them between inpatient and outpatient groups?

Submission ID	Reviewer Comments
903992	Very interesting design and review. Given the high number of exclusions, it would have been nice to have had a larger population size. Conclusion is appropriate and agree with the need for further investigation. Well done.
903992	I would recommend using your exclusion criteria to further reduce your overall numbers (122 IP and 498 OP) before randomization. It is odd to include patients in your study that you then just exclude reducing your numbers and making uneven groups.
904058	Will be interested to see the protocol you implemented to see if can be adapted to my institution
904058	The only thing that you will want to discuss more is to better describe the population, as listed it is unclear the difference that may contribute to the results.

904058	Good idea but would be more significant if impact on outcomes had been included
904199	Excellent way to determine effectiveness of site visit. Interesting that virtual visit fairer as well as on site. Excellent abstract.
904199	Would like to see more specific results about the improvements in knowledge from pre to post.
904199	I would recommend adding more detail to the results you obtained such as the qualitative changes you described. U would had detail as to how many question were asked on the survey.
904291	Interesting research and well-written.

Submission ID	Reviewer Comments
904291	Well-written abstract This study is well done, used appropriate statistics and results are similar to national estimates. This study improves identification of patients with Hepatitis C and facilitates treatment. Well done.
904291	Interesting project! I wonder how much time it took the pharmacist(s) involved to review these charts and make the recommendations to the providers? I'm also curious how the recommendation for screening was accepted by the provider.
904479	Consider including the impact on pharmacist time and workload and whether it warrants additional staff to continue the practice and maintain the benefit.

904479	More details needed. Only reported 1st fill data, but made conclusions about the first 12 months of therapy. Differentiation between filling and prescribing (adherence).
904549	Very thorough. Need to define all abbreviations. Included appropriate data and analyzed with relevant conclusions.
904549	Why was cost and outcomes discounted at 3.5%? You may want to explain your reasoning. Recommend removing "oral" from the title. Are you suggesting having andexanet alfa (and not PCCs) on formulary?
904592	In the results section, missed doses were associated with several other outcomes. However, it is not clear if the "missed dose" variable was collected via patient report on the survey or using the MPR, please clarify.
904592	Excellent study and evaluation of new technology to streamline pharmacist interventions with specialty drugs. Great report out of methods, definitions, and statistics used. Great meaningful results.
904621	Overall well written and solid methods. Well done!

Submission ID	Reviewer Comments
904621	Why is it important for you to share this project with others? Is the population of your medical center special in some way that others could learn from your experience? The conclusion should have a more clear statement regarding how clinicians should use the evidence from your project.
904621	Well written abstract. it was interesting that all patients achieved SVR.

904776	The topic is of current interest in pharmacy and patient care in general. The new pharmacy service provides an innovative approach to providing clinical pharmacy services that are customized to the studied patient population with possible applications in other patient populations.
904776	Please remove conclusions related to patient safety as these conclusions cannot be drawn from the data presented. There is very little background provided.
904776	This is a well organized report of a pharmacist led initiative in a pediatric oncology unit.
904791	I'm confused about where the people for your first survey came from? I'm curious to know a bit more about how these people were surveyed (i.e. free answer, agree/disagree, 1-5 scales, etc). I'm also curious about what definition of "pharmaceutical services" your participants were given.
904791	Ensure that on your poster you provide more information about analysis of the data, type of questions asked, etc.
904791	It is unclear the population surveyed and the ability of those individuals to assess the outcome measures. If they have not utilized services or worked with pharmacists in the past they can not assess and individual familiar with services already have a bias.
904843	Well written abstract. It definitely shows a huge impact that pharmacists can have on increased pneumonia vaccinations.

Submission ID	Reviewer Comments
904906	It seems to me that the objective of the project was to investigate the phenotype of patients receiving amitriptyline on adverse outcomes and serum concentrations. But from what I can discern from the abstract, CYP2D6/CYP2C19 status had no correlation with either side effect burden or dose. But the authors were able to find some correlations with adverse outcomes and length of therapy. It was noted that parsimonious linear regression was used. A hierarchical regression model may provide better insight as to the relationship between concentrations and

	length of therapy and side effects. The abstract then strays from the initial objective and focuses on the serendipitous findings of length of therapy and adverse outcomes. Perhaps rewriting the abstract to include these parameters in the objective would provide a better framework for reporting the findings.
904906	Interesting study- very insightful to see the correlation b/w drug concentrations, duration of treatment, and adr's
904906	Why was 12 months chosen vs. another timeframe?
904960	How is the Qatar preceptor development program relevant for the audience of U.S. pharmacists? Pharmacists are never explicitly mentioned anywhere in article; unclear what health care providers are targeted. Audience will not have any baseline familiarity with the Qatar National Vision 2030. What is it? Why is it relevant to the study? To the audience? What is the primary outcome? How is success/progress defined? Does not appear to have a specific, measurable goal. Conclusion of "this will ultimately result in graduating competent health professionals..." is not actually known yet, so is therefore an inappropriate conclusion. Abstract flows well and is easy to read. Well organized abstract.
904960	I look forward to seeing additional information in the poster. Excellent concept and execution
904960	This is not a research paper. this is description of an experience. there is not data presented to draw any conclusion.
904970	A good thorough report. Some of the sentences are a little long. Consider breaking these into 2 or more sentences to allow the reader the opportunity to absorb and focus on the important details.

Submission ID	Reviewer Comments
---------------	-------------------

904973	The information is useful but the abstract would benefit from more specific results and information about the participants. How many were students vs alumni? How did the views of these groups differ? How were questions and answers structured to suggest that the "main motive" was to "increase the national workforce." Were there other barriers to pursuing pharmacy than societal recognition?
904973	I think this is an interesting topic worldwide to be able to recruit excellent candidates and promote pharmacy as a career. The methods did not include the specific population (inclusion/exclusion criteria) and outcomes that were evaluated in the interviews. Actually numerical outcomes would be helpful with the results to be able to define the mentioned results.
904975	More specific information needs to be provided regarding # of students completing the survey, education level of students completing the survey, questions asked in focus groups, etc.
904975	Would include some specific numbers (%'s) in the results section of the abstract - i.e. highlighting a few specific questions from the CAS survey. Would also go more in depth in defining the CAS survey (how many questions, multiple choice, yes/no, checkbox, rating scale, etc?) to give potential audience better background.
904975	I think there needs to be much more detail in the results and conclusion section so we have some idea of what specific findings you analyzed and found. Otherwise, the abstract looks okay.
905004	This is a very well done project. Your endpoints are relevant and replicable. This is very applicable to many practice sites.
905004	These types of analyses are important to share between institutions. Thank you.
905048	I think this topic has been visited many times before. I'm not sure that it adds much to the literature. Also, single-site study lacks external validity.
905048	Very novel idea, and very timely. Purpose, Methods, and Results well explained, and included statistical analysis. Conclusion: I would suggest re-wording the last sentence. "may want to" = too "soft".

Submission ID	Reviewer Comments
905048	Any limitations to the research? Interesting topic as social media is so important in society.
905076	little information stated on the characteristics of the historical group, you say dosing and frequency are similar but not what prescribed for, it would have been nice to have included the total number of historical patients included as you did w/the study group. also not clear if you were comparing based on NPSG guidelines or MFG guidelines. Also you use VTE in purpose and then DVT and PE in methods, would have been better to just used DVT and PE in the purpose as well
905076	From what time period was the historical patient data taken from? The information about transitioning DOACs from parenteral anticoagulants is vague and this area would benefit from more detail. Was parenteral AC use determined to be inappropriate and for what reasons? What were the NPSGs that were being evaluated?
905297	The purpose and methods do not clearly state what the project objectives and purpose was. If this is considered to be a retrospective review, that should be stated prior to the results section. Having an "opportunity" does not equate to creation of a sound research project. The information exists to create a proper abstract but I think that it wasn't properly constructed.
905297	Nice description of the project and concern of issues with cannabis. Demonstrates variability of interpretation.
905297	The project is not really in line with the conference general theme and objectives.
905362	U.S. audience likely has no baseline familiarity with the Chinese national centralized procurement program referenced to understand how this is influencing study; would benefit from some additional background information. First and last statements in abstract seem unrelated to rest of content. Why is this program/study objective relevant to an audience of pharmacists in the U.S.? Results with P value greater than 0.05 were stated to be "significantly correlated" which cannot be so. How were the participating physicians identified? What role do pharmacists play in this? What was the response rate? If physicians were asked what interventions they "most desired", the conclusion cannot be drawn that the physicians "need" these measures as stated in the conclusion. Recommend proof-reading by preceptor prior to submission to smooth out grammar and punctuation issues impacting read-ability and flow.

Submission ID	Reviewer Comments
905362	<p>What was overall response rate? Refine grammatical errors. Limited applicability to many ASHP members.</p>
905362	<p>A statement about the approval of generics in China may be helpful. presentation of results is not clear enough in this abstract. limitations of the study are not listed</p>
905477	<p>I am curious why data was collected from 2013 as opposed to more recently. I would recommend establishing primary and/or secondary outcomes with statistical analysis of results. This will strengthen your conclusion as well.</p>
905477	<p>Objectives of this study are not well described. Conclusion of most being mechanically ventilated not supported by information in results section. Further description of the epoprostenol use (max/min, range) would be helpful to add.</p>
905477	<p>Author could draw a stronger conclusion based on the results. The conclusion is a little vague. Your conclusion states epoprostenol was used primary in mechanical ventilated patients but you did not state what other conditions it was used in.</p>
905712	<p>This is a great idea for adding content to a class, but not sure how much practicing pharmacists will get out of it.</p>
905712	<p>Very applicable to current times! Great idea for a study, and I'm glad your students enjoyed it.</p>
905712	<p>Novel and important study, especially with pending COVID vaccine's. Nice addition to immunization course - can consider acting learning activities where students interact with vaccine hesitant patients as part of skills labs.</p>
905989	<p>This is a good overview of an ongoing and prevalent issue with poly-pharmacy and high risk medications in the geriatric population. For the poster presentation, suggest to expand further on high risk agents and focus on potentially inappropriate prescribed medications and steps to mitigate those.</p>

Submission ID	Reviewer Comments
905989	Important topic. Need to amortize risk of med over need for use 'm for a ample cyclobenzaprine May be necessary to relieve spasms.
906063	Not exactly clear on Phase 1 vs phase II. Otherwise, great design.
906063	Not still completely clear on how Phase I and II are different - but I'm sure you'll have a great graphic on the poster that will help. Also I think characterization of the type of pharmacists interventions associated with midodrine would be interesting
906063	Unclear what they difference between phase 1 and 2 was - was there a change in protocol, were pharmacists involved in phase 2 and not phase 1, was there education provided to ICU teams? Why would you expect a difference between phase 1 and phase 2. Would be helpful to have the type of pharmacist interventions categorized (dose adjustment, medication change, discontinued medication)
906072	Valuable topic in evaluating the new digital health elective and relevant to the current pharmacy career market. Would be interested to see expanded results with future semesters/larger cohort as well as %'s of students who did or did not end up in a digital health role post-graduation.
906072	Very interesting study, and very relevant in our times. Nice job!
906072	Very interesting course - important to highlight need of the profession to adapt to increasing use of digital health; would be interesting to see survey results compared to control group/students who did not take the course with regards to interest in specializing in various areas and comfort level to the changing healthcare system
906196	Very organized abstract. Could discuss why this study was needed more so that readers know how innovative the research is.

906196	Could use more precise elements to discuss.
--------	---

Submission ID	Reviewer Comments
906473	If I'm reading your title correctly, I think you need to make "pharmacists" possessive (pharmacists'). Well written abstract. Included relevant results and statistics. Would like to see an explanation of "NO TEARS medicine review" in the final poster/presentation. Also would like to see a breakdown of how you estimated the cost savings found.
906473	It would be interesting to do a subgroup analysis of more costly medications between group (i.e. anything that costs more than \$5 USD per tablet to see if cost savings is more substantial when you focus importance of medication counseling and adherence on high-cost medications.
906473	The project is innovative. There was no details on the content of the tools developed and pharmacist questionnaire.
906522	Interesting study, curious to hear what you plan to do with these results
906522	This is an important topic that tackles everyday challenges of community pharmacists. Unfortunately, quantifying cognitive behavior patterns is an enormously difficult task. Very interesting to see different patterns between the Southeast Asian pharmacists and their European counterparts.
906522	I think a brief explanation of each of these clinical reasoning concepts will be helpful on your poster as may pharmacists will not be familiar with the terms.
906555	it would be great to discuss what are limitations of the trial and make recommendations based on this results.

906555	Very succinct and to-the-point. Good quantitative assessment. Could discuss the definition of appropriateness of abx.
906555	Nice evaluation

Submission ID	Reviewer Comments
906567	Very descriptive but very clinically important information. Could statistically analyze the results. # of patients with < 6 month of age is very limited. So, may not be able to conclude anything.
906567	Highlight pediatric utility
906570	The results should be rewritten to better align with the purpose of the study. What do the results mean for the populations studied? Inpatients were compared with outpatients with COPD. What conclusions can you draw from the results of the survey that was administered? What did you do with the information you learned? For example, did people who scored lower on the inhaler technique survey have higher exacerbation rates what those who scored high? Would you target those patients specifically for pharmacist inhaler education? Would suggest rewriting the conclusion to better explain the results.
906570	The description of the questionnaire sections belongs in the methods rather than the results. The conclusions are not all supported by the results shown. For example, technique difficulties is mentioned, but it was not a significant or almost significant difference in the results.
906570	the study comprises of inpatient and outpt cohorts, does it assesses the rate of AECOPD hospital admissions/year between the 2 cohorts to identify the risk factors? I'm not sure how using the questionnaire for the 2 cohorts would help to identify the risks. Therefore, with the reported results, no meaningful conclusion could be made from the study.
906582	I am happy to see the submission of this case report! What other causes did you rule out for the pancreatitis? And how does this case report compare to others reported to the FDA or in the literature? Thank you for sharing your experiences! I am eager to see your poster.

906582	relevant.
906604	Need a disease severity scoring system (ie APACHE) to make any sort of conclusion of data. No firm conclusions discussed in conclusion section.

Submission ID	Reviewer Comments
906604	Timely and great advancements to the pharmacy profession in light of COVID
906604	Interesting and very timely topic.
906638	Table format did not cross into a readable abstract copy. Conclusion could be more concrete as opposed to vague "students found value"
906638	Your Purpose and Methods sections are very well written and complete. Your Results section did not translate as a table, and was therefore presented as one continuous sentence which was impossible to interpret (an excerpt of my view: "What did you pay for the book? (\$) (0/0.01-5/5.01-10/10.01-15/>15) (%) 16/12/30/32/10 22/8/27/26/17"). Instead of presenting a table in your Results section, I would strongly recommend you pull out pertinent results and present them as sentences. Please consult any published literature and review the ways in which authors choose to present data within the text. As far as the Conclusion, I would like to hear your voice come through and summarize the results, rather than simply listing the results found. How does this change things? How can the comments be used to make the assignment better?
906638	It would be interesting to compare the results of the first one or two exams in the Spring semester of 2016 and 2017 to 2018 and 2019 to see if this assignment has an impact on overall test scores.

906662	Were any patients on angiotensin II? Were these patients excluded? I would recommend that you address this in our exclusion criteria. Also assuming that all patients received same standard of care per your sepsis protocol?
906770	Good project idea. Was statistical analysis done for any of the results? The difference findings in written AS policy and procedure, demonstrating improvements in proper antibiotic use, having representation from various service lines within the AS team, performing data collection, documenting evidence-based use of antibiotics, and documenting all ASP activities may be due to limited staffing with smaller hospitals? If so, how the AS workgroup is able to help improving the compliance rate.
906770	This study confirms less antimicrobial stewardship regulatory compliance with smaller hospitals, a finding that is not surprising due to less resources with most of the small and rural hospitals. This poster presentation would add significant value by providing detailed suggestions and steps on how to close the gaps, taking into the consideration the barriers that some of these smaller hospitals face.

Submission ID	Reviewer Comments
906786	Consider adding patient demographics. Adults, children, or mixed population.
906998	No concerns. Very interesting cost savings.
906998	-- Good pharmacy initiative, well done study that included both retrospective and prospective data. This study shows direct pharmacy impact on the patient care and great cost-saving as a bonus. Well- done
906998	Interesting variation in severe hypercalcemia in your phase I vs. II groups. I'd be curious to hear why you think that is? Otherwise really interesting project and outcomes. I wonder what you may have found if phase II had been longer and been able to enroll more pts? Remarkable efforts by the pharmacists shown here!
907076	Well done. Always educational to determine what our practices are and if they are truly effective. Maybe there should be an educational piece on dosing and a f/u study for agitation?

907076	would add to findings if you included info about risk of QT prolongation (e.g., is 7% incidence high compared to other agents? Does it reflect current drug info?)
907097	The purpose is more of a background. This should be where the primary outcome is listed. It is not clear what is going to be the focus of the study, since broad statements are mentioned. The methods do not discuss where the study takes place or what kind of study it is specifically. I assume it is a single-center, retrospective review. Also, there were no inclusion or exclusion criteria mentioned. Specific dates of data collection are not included except for "In 2016". There is no mention in the methods of gathering HCAHPS scores. Conclusion is very broad and does not include specific information about the results, more broadly what is done at the institution.
907111	Research question is not clearly stated. No data are reported. Plan to resubmit when you have a clear research question and data to report.

Submission ID	Reviewer Comments
907111	HCP not defined
907112	<p>Recommend clarifying the title to state "Impact of transitions of care pharmacists on hospital readmission rates" (add on) "at two community hospitals"</p> <p>For the purpose statement: "The current study aims to evaluate the impact of adding pharmacists to TOC teams for the management of COPD and HF patients." may consider adding "on readmission rates" to show the study is looking at the impact of TOC pharmacists specifically on readmission rates.</p> <p>For the conclusion statement " Additionally, the TOC pharmacists made numerous interventions which may have led to positive outcomes such as improved quality of care, reduced adverse drug events, medication affordability, and potential cost-savings to the healthcare system." there is no evidence provided in the results section to support any of those outcomes being looked at or impacted.</p> <p>Would be interesting to look at reasons why CHF readmission rates increased across the board or why pharmacists had a positive impact specifically on COPD pts vs CHF pts.</p>

907112	<p>This relates to an important area of advancement to pharmacy practice, and pharmacists clearly can provide benefit to patients on TOC teams.</p> <p>Measuring readmission rates is a good way to quantify cost savings to an institution and justify FTE, but the high likelihood for confounding variables makes it hard to measure.</p> <p>Could have done stats to look if the differences were statistically significant.</p> <p>Need to define the what the pre-intervention time period was.</p> <p>Overall, the abstract is well written and should be well-received by ASHP members.</p>
907127	<p>Interesting analysis. Provide p-values for PTE in last section of results.</p>
907127	<p>Would like a more succinct Results section.</p> <p>Methods: would suggest leaving out the first sentence, as you go on to describe OASIS 1 and 2.</p>
907127	<p>Important research on an interesting topic. Well done!</p>
907132	<p>I'm not sure what criteria were utilized to evaluate the company's response, but the trust scores did increase 0.399. Be careful of using the p values. The low p values found indicate a very strong likelihood that there were differences in the scores. However, it doesn't mean the difference is important (going from 7.4 to 7.8)</p>

Submission ID	Reviewer Comments
907132	<p>very innovative topic.</p>
907132	<p>Is common sense to adding third party to increase trust</p>
907167	<p>This is a useful analysis of pharmacist managed care in an ambulatory care diabetes education center. It is difficult to know how these patients would have done in alternate care without pharmacist involvement. Were these patients being treated at the care center for their T2DM prior to pharmacist involvement or were they newly diagnosed? The A1c reduction during the evaluation period is impressive nonetheless.</p>

907167	This is a great research project and abstract. Clinically significant endpoints were studied and the methodology is sound.
907202	Very well conducted study, interesting study findings.
907202	Are there any plans to use this data to make changes to hospital protocols for treating SAVRIs?
907202	Relevant study , balanced and appropriately written abstract
907239	Would be interesting to aggregated strengths and weaknesses of those evaluated (blinded, of course)
907239	Very useful research for residency program directors. Unfortunately your numbers were low. Would like to see you expand this to other programs to increase your numbers. Also would be interesting to include preceptors and students.

Submission ID	Reviewer Comments
907325	Spelling errors in methods section: cyclophosphamide, locally. Are your results statistically significant?
907325	This was well designed and well thought through. I don't practice in oncology, however, this data is useful and provides strong support to guide practitioners as to which regimen will increase positive outcomes in their patients. It will be interesting to see if this data trend continues outside of the Arab Emirates.

907325	<p>First sentence of Methods- correct spelling of "locally"</p> <p>Third line of Results- the long string of numbers is hard to read and should include spaces, it may not be necessary in the abstract</p> <p>IN the results section you do not provide a statistic to demonstrate a significant difference in two regimen categories, yet in the conclusion you tell us it is significant. Please help.</p> <p>Your title suggests you are going to tell me about the MAB regimen, but you are comparing regimens based on use of anthracycline drugs. This seems inconsistent. I would consider changing the title.</p>
907439	<p>Would be much more useful data to include the types of medications that may have contributed. Also recommend including more information about how these pharmacy interventions were documented.</p>
907439	<p>Concept of creating and implementing a falls-risk program led by a pharmacist is novel and creative. The abstract felt more like a report out of what the program intended to do and how it functioned rather than results of what the program did. More meaningful results such as how many interventions the pharmacist made, number of accepted interventions by the multidisciplinary team, most common medications implicated, and number of falls reported before and after program implementation would be beneficial.</p>
907439	<p>This was informative and a noteworthy project. It would be interesting to see how the fall risk at your facility compares with that of national averages. Another comparator could be yearly Emergency room admissions for falls in patients >65 years old just to quantify cost savings. Overall though, its obvious that this showcases how a pharmacist can intervene and lead a team to positive patient outcomes.</p>
907498	<p>Large study using MHS database provides insight into potential problem with duplicate therapies and importance of medication histories and reconciliation. Would be interesting if you could have followed up for any ADE reported or hospital visits due to ADE.</p>

Submission ID	Reviewer Comments
907498	<p>Did you include anti epileptic agents with this group? Many have neuropathy treatment and are significantly sedating. Also, a 1-day overlap is probably inadequate. Especially if a patient doesn't have a good result with gabapentin (not unexpected given the poor NNT for neuropathic pain) and gets converted amitriptyline. There will be overlap with prescribing that is appropriate because the patient should not have to wait out the end of their supply of one agent before</p>

	switching. Additionally, gabapentinoids do not work quickly to treat most painful conditions and it would be difficult to justify not treating pain. Poster should also include the numbers for " the proportion of GABA users with concomitant CNS depressant use decreased for both". With such large numbers included, very small differences will be statistically significant. Finally, given the concerns about detracting from active military duty activities, what was the benefit of including non-ADSM claims?
907521	Great abstract. Research for breast feeding safety is few and far between.
907521	Using the mu symbol is a dangerous abbreviation and should be written "mcg".
907543	Great job
907543	Innovative program, showing dedication to enabling technicians to practice at the top of their license. Hopefully the poster will give more specifics as to the topics presented at PTD
907543	Where was this study conducted? What was the primary outcome of the study? Would it have been possible to evaluate a p-value to compare your pre-intervention and post-intervention rates for tech certification to prove a statistically significant impact? What was the role of the author in the study? Well written, well organized abstract. Professional grammar and flow. Easy to read.
907549	Why was psych chosen, and other core or required rotations not included in the analysis - small sample size. Relevant topic, IPE important

Submission ID	Reviewer Comments
---------------	-------------------

<p>907549</p>	<p>Was this survey conducted in a small period of time for a specific reason? The rationale for this should be elaborated should the results be presented as a poster. Hard to draw inferences from an incredibly small sample size. Recognize that the school may have smaller class size. Results would be more robust if the survey was conducted on each patient care rotation and then see if scores changed over time. There was not a "control" group. Therefore, the authors can not determine if their IPE competencies in fact made a difference or not. Conclusion statement needs to be softened. No mention of which survey(s) assessed confidence in the methods section. The results make no mention of confidence. How do the authors know that their course work (which is a good idea) had an impact? Preceptors and/or the site being familiar with students may have had an impact. The reviewer was unable to understand how this statement fit into the results "Nine health professional categories were included within the survey: physician, registered nurse, dietician, case manager, social worker, physical therapist, occupational therapist, respiratory therapist, and radiology technician. " Did the students select these or were these options in the survey. If options in the survey then this would be a better fit in the methods section.</p> <p>The objectives of the study do not exactly align with the purpose statement of the project. No mention of confidence in the purpose.</p> <p>Did the BP and DM monitoring occur on all rotation or just the 6 TC rotations?</p>
<p>907549</p>	<p>interesting idea</p>
<p>907598</p>	<p>This study was illustrated very well in this abstract.</p>
<p>907598</p>	<p>Excellent methods and outcomes clearly presented in abstract form. Unique project and good to patient care extrapolation.</p>
<p>907598</p>	<p>Any sample size calculation? any reason for the small sample?</p>
<p>907641</p>	<p>I'm not sure that this is a novel idea, as it has been implemented at several larger, academic health centers. The study does not talk about how long the pre- or post-implementation data period was. Has any follow up been done since post-implementation to see if this has been an on-going savings after educational memos are no longer being sent out?</p>

Submission ID	Reviewer Comments
907641	I think the results are intuitive, but it is good to tie a cost savings with this type of activity.
907641	Would be interesting to see if these trends continue past the 2 months...perhaps a f/u study for next year?
907688	"The benefit of sacubitril/valsartan is proven" Odd statement, I would take it out or explain (IE what studies prove this or what is proven". You mention you would monitor potassium levels but not mentioned in the results section. you also mention angioedema and cough in the results but not in the methods of what would be analyzed. Confusion that there is a lot of background data in the conclusion (national health scheme) that would be better suited for the purpose statement.
907688	Your methods are unclear at times - how are you not sure of patient past medication history if this is part of the study?
907697	How were the studied facilities chosen? What kind of facilities were they (to assess generalizability)? Were the facilities chosen prior to availability of the post-implementation data? Did any facilities drop out of the study? What was the baseline pre-implementation rate of manual par adjustment using reports or other manual methods? What is the literature reference or other support (i.e. time study?) for the extrapolation of par adjustment acceptance equals a certain labor savings?
907697	Good study with detailed information on study design and findings.
907697	This is a good project and would be useful for facilities with inventory management issues. For the poster presentation, suggest to add cost analysis for the labor saved.
907700	Even though this a small single center study, it is of interest to pharmacy practitioners and is very relevant . I would use number of events vs % given low number of patients

Submission ID	Reviewer Comments
907700	The incidence of thromboembolic events reported between comparison groups in the results section did not match the information in the conclusion section. Based upon information regarding the analysis of data in the abstract, unsure if it supports the conclusion of clinical significance of some patient outcomes.
907700	Conclusions should not include p-values and results. Please draw conclusions from your data and suggest future studies or next steps. Retrospective chart review is not a type of a study method. Primary outcome should have one outcome. Is there any utility to present results based upon high or low dose andexanet alfa?
907711	Its always good to see this level innovation in using the technology and systems support to help guide decision making. Would love to have more data, including how many biosimilars are currently being evaluated in this program and raw estimate of how much this has saved your entire system.
907711	I think you will have many questions about addressing products without interchangeability. It may be worthwhile to insert a sentence or two about the process followed when this is the case.
907711	This is such an important topic. Standardized approaches to these types of agents is paramount to ensuring proper use. Excellent topic and project.
907715	Thank you for sharing! We are always looking for methods to improve the efficiency of our processes and meet the national standards, with the hope of taking better care of our patients. This abstract provides a helpful approach to manage this enormous endeavor. I look forward to seeing the details of your process. I fully support the acceptance of this poster presentation.
907715	Very relevant. Forward thinking to be prepared for TJC visits.
907771	the study objectives are not clear. Was adherence to Buprenorphine the main outcome?
907771	Please suggest alternative follow up methods. Not sure I understand "return 0.895 less [often]". It would appear this value is the result of logistic regression and thus 0.895 would show a strong association between a prescription and not returning to the ED. This is of course unless some other calculation was done and not stated in the Methods.

Submission ID	Reviewer Comments
907811	<p>Was your model based in a urban, suburban or rural ED? What was the estimated time reduction between therapies for the ED visit? What was your estimated mix of payers?</p>
907811	<p>This abstract is based on 2 hypothetical hospitals modeled with too many assumed additional factors. Even the cost of the drug will differ in real life depending on 340B status, GPO pricing ect. Also, revenue included "revenue from additional patients seen per year (due to time savings per visit observed with IV cetirizine treatment)"...this is too unrealistic to be applied to a real ED since the ED has fixed assets and you see the patients that are present in your ED either way. So this cost shouldn't be included and can sway the revenue calculation.</p> <p>Also a major factor listed for revenue includes less time in the ED, why is this the case and can it actually be translated into real ED visits (at least one published study shows no significant difference in time spent in treatment center between the 2 drugs) so this arguably should not be included in the cost modeling. This abstract is based on data coming from drug company sponsored trials only.</p> <p>Conclusion states" Adoption of the second-generation antihistamine, IV cetirizine, for AU treatment in the ED setting resulted in a positive budget impact across multiple scenarios. " this is based on a hypothetical model so you cannot say it definitely resulted in a positive budgetary impact. The conclusion is too definitive for a model.</p>
907892	<p>The methods and results of this study are well described and of interest to meeting attendees. Limitations of the data that should be pointed out are the small sample size of patients discharged on insulin, which likely results in low power/ability to detect differences. Also, since patient data are being reported, a statement that the study was approved by the IRB should be included. Also the title of the study would be better if it matched the purpose of the study (change either the title or the purpose to consistently state either "...discharged on insulin" or "...discharged with and without insulin therapy"</p>
907892	<p>Thank you for this submission - this should be of interest to attendees. Suggest more inclusion of if you did education on insulin and more of a robust discussion. Also please include relevance of tac, everolimus etc on these patients.</p>
907892	<p>It is not mentioned whether the project received IRB or not. Some typo in the results "The with insulin group " - referring to the group of patients who received insulin is to be done differently.</p>
907926	<p>What was the definition of a sleep disorder? What is the school doing to address these factors and issues with the students?</p>

Submission ID	Reviewer Comments
907926	Interesting study! It would be interesting to see what the other top reasons for sleep disturbance were. Did any students report school workload or exams as being a significant cause of sleep disorder? Did you collect how much sleep per night on average students get?
907926	The conclusion mentions drug utilization and hypnotics, but I don't see that in the methods section.
907938	Excellent description of your processes. Good documentation of the value to your service.
907938	Unclear what statistical methods used; therefore unable to determine if analyzed appropriately. Why the delay from study intervention to presenting data? What role did the author have? Was author a student in 2017 who worked on project cards? What was primary outcome? Would be nice if there was some recent data. How did proficiency change since 2017? Was it maintained? Well written, well organized abstract. Clear and easy to follow.

Submission ID	Reviewer Comments
907938	Good idea and execution. Niche concept but excellent for those involved in specialty pharmacy.
907981	Purpose: please explain in more detail. Include the "why" of the study. Methods: explain what Sentry7 is. Results: a bit wordy. Try to word more succinctly.
907981	Interesting topic. Consider reporting the twenty five in your results as a percentage of the total number of tests.

907981	Well written study. This study had a high impact on patient care. Well -done
908021	Very thorough and detailed abstract. As a former community pharmacy employee, this seems like an excellent idea.
908021	Great job
908021	good description of the program and comprehensive results. Future directions you suggest, such as pharmacy staff and patients experiences/opinions of the program, including perceived value, would be interesting
908031	Overall, well written abstract! For the answer to question 1, it is a topic people would be interested in but there is a lot of data available in the literature. In your methods, I would take out that there was a strong negative predictive value since this is part of the results. The information reports in the results was well chosen. Including cost is always useful in justifying an intervention/protocol.
908031	Very interesting!

Submission ID	Reviewer Comments
908054	The abstract described analysis of antimicrobial utilization data submitted by Military treatment facilities to the National Healthcare Safety Network. The methods and results are well described and conclusions appropriate. My only question was regarding the model that was developed using nationally aggregated AU data, whether this aggregated data was for all US facilities or only military treatment facilities.
908054	Thank you for this submission; not super applicable to other health systems. Purpose should be included. Did a good job with describing the many acronyms.

908054	This is an innovative project and carries a lot of value if clinical implications are to be extracted properly. This was not translated well in the conclusion. I hope the poster presentation will highlight it. Was there any IRB for this project?
908057	Recommendation -Purpose: consider expanding the purpose to include safety needs of the staff and patients given CDC/city guidelines along with danger in the community. -Results: consider incorporating data --> % increase/decrease in revenue with reduced hours and staff; % increase/decrease in overhead cost for delivery & cleaning services/products/PPE. Consider adding a survey for employees safety/comfort level prior to and post precaution implementation. These additions can potentially improve the descriptive report.
908057	Describe how many employees were grouped into the teams. Comment upon your prescription volume with these precautions in place. Do you have any customer satisfaction survey? define the pharmacy as independent or chain.
908097	Would add info about warfarin/fluconazole interaction and also when fluconazole course was completed relative other later INR checks/events. Also recommend adding information about upper extremity outcome in the end; did pain and swelling in arm improve/resolve? Pt was referred to pain management in the end, but it is unclear whether this is for her arm or leg.
908103	Study very relevant and will likely peak a lot of interest. Curious to know how many resources were reviewed (n=?).
908103	This is an interesting commentary of the recent rushed data on HCQ, but there is no measurable information (number of studies reviewed, how many during which time periods showed benefit or no benefit, etc.) presented. It seems to be more of an editorial piece.
908103	Important research topic, very interesting and concerning results.

Submission ID	Reviewer Comments
908118	Obviously a timely topic and imagine there are several unfounded claims that had to be searched beyond what were mentioned in the title.

908118	<p>Purpose statement very short, could add a little more background. Recommend listing out search terms used to search medline. Recommend using more technical terms, IE "bogus" and "slew" The results section doesn't really list what was found, no quantitative data is listed.</p>
908118	<p>The methods were too general in your abstract. You need to include specific search terms. In addition, this is not written with professional terms. There are no outcomes to your review.</p>
908124	<p>Statements are a bit overreaching. abstract should have just shown raw numbers or fractions (e.g., 5% of the patients had COPD exacerbation and pneumonia... should have been 1/19 patients had a COPD exacerbation). "Many of the patients were referred to tobacco cessation" is a little misleading. The point estimate was 18%, but the confidence interval was 2% to 50% because the number referred was 1. 5 patients had improvement of symptoms. I strongly recommend presenting numbers rather than percentages when the study is this small.</p>
908124	<p>Great review of pharmacist-run pop health mgmt diseases to show the effectiveness of our profession.</p>
908133	<p>Could you clarify the number of patients referred to the MAT clinic/contacted for potential MAT clinic referral vs. the number identifies as appropriate for MAT clinic evaluation and potential referral? If these 2 numbers differ, then what criteria did those who did not receive MAT clinic evaluation not meet?</p>
908133	<p>Relevant paper- watch the abbreviations that are less common such as RIOSORD-</p>
908133	<p>Would be helpful to define an acronym used in the abstract: RIOSORD.</p>
908147	<p>Interesting topic. Might help with background for a descriptive reminder to providers about the FDA warning about the potential risk of gabapentinoids use in patients taking meds with CNS depressant SEs; certain comorbidities; and/or advanced age that might place that patient as "high risk" patient.</p>

Submission ID	Reviewer Comments
---------------	-------------------

908147	Appropriateness was not defined. Defining high risk patients in the purpose or methods section.
908178	It's nice that you're adding to the literature about the success of this 3-drug regimen, but why is your medical center so special that the results would help others make a decision about using this drug? Did your pharmacy have some type of program to help patients get their best effect from the drug therapy? Is your population severely indigent, not proficient in English, or a group otherwise at risk of poor results? Please consider expanding on why your project is important. How could the medication adherence data be relied upon for being accurate if the data was collected retrospectively? In your conclusion, what is the take-home message? Maybe you could have a conclusion that would provide a useful take-home message for clinicians. It seems like a broader message like "Results observed in patients receiving treatment for HCV with a 3-drug regimen may be less than that seen in clinical trials. Adherence, liver status, and baseline-resistance are factors that clinicians should be aware of that may reduce outcomes". You have this information in your abstract, but maybe it could be presented better.
908178	Well written abstract. It was interesting that your SVR rates were lower than the clinical trials but may be due to lower number of patients as you stated in the abstract.
908354	To really see benefit, would need to also look at outcomes i.e. do a1c decrease, or do patients eventually get on these non-formulary meds- was cost avoided for a short time?
908354	Well put together.
908354	This is a very practical and useful presentation topic.
908447	Well written abstract. it was impressive how effective the pharmacy led med recon program was at your clinic.

Submission ID	Reviewer Comments
908447	Consider for your poster delineating the impact this had on staffing models (where you able to leverage this program to get more pharmacists hired?)
908506	Interesting study; highlights benefit of provider education and utilization of multidisciplinary approach.
908506	Consider adding more on next steps within the conclusion.
908506	Years of the evaluation could have been included. More details of the results could have been presented.
908543	Alert fatigue is well-known - I'm not seeing this adds much to the solution, only confirms the problem.
908543	This study is well written and easy to follow. It is detailed of how the study was carried out. I like how it is mentioned that the statistics would be only descriptive. However, it would improve the study to actually analyze the data statistically. I would also recommend using pharmacist surveys to add to the number part of the study. It would also be helpful to know what the remaining 264 alerts were regarding.
908543	Good description of purpose, with results supporting the initiative.
908581	Great review, well written. Speaks for a need for an outpatient psych pharmacist to follow all this up!
908581	The purpose section states "pharmacist-assisted pharmacogenomics testing and its benefit" but from the methods it does not appear that the pharmacist is deciding which patients to test, ordering the test or performing the test. I would modify this sentence in the purpose section. Under results "Fourty-five" is misspelled. Add "s" after patient where it states "all patient had at least one gene variant identified"

Submission ID	Reviewer Comments
908581	Nice idea! It is unfortunate the lab time prevented more useful investigation.
908630	Well written and clearly presented.
908630	Very well-conducted, high quality study.
908630	Any insight as to why gender and form of payment is a factor in the likelihood of receiving naloxone by an EMS provider?
908658	Unique and creative! In light of COVID and work overload, this is a commendable project.
908658	Interesting topic.
908836	In Purpose: should read primary objective, not primary outcome. Should have a space between number and units (e.g. 27 kg/m ²). Should define LACE.
908836	Your primary objective was frequency of pharmacy med recon upon hospital admission- what was the frequency? Did pharmacy counseling include inhaler specific education?
908888	Sample size is too small to have an appreciable result. Why the criteria of ICU admission? Missing out on a lot of good data from patients in your intermediate/stepdown units that fit all the other criteria but may not warrant an icu admission. How did you come to a conclusion for your health system based on the experiences of only 13 patients?

908888	I would be interested in the pathogen genus species and MIC breakdown for both groups.
--------	--

Submission ID	Reviewer Comments
908888	Would like more information in the methods about what data was collected and what the primary and secondary outcomes were (prior to mention of that data in results).
908895	Well written abstract and relevant to pharmacy practitioners.
908895	This topic is of current interest and importance in patient care and provides a novel possible solution to addressing a patient safety issue.
908895	What is the overall objective of the study? How is this tied to the title? Recommend avoiding words such as "nuisance" as these are meant to keep patients safe. Why was data collected from only a 3 month period? The results do not follow the methods section. For example, there are no methods regarding predictions of alarms. Conclusions should not speculate regarding alarm fatigue and potential risks to patients. Please draw conclusions from the data presented.
908925	study well explained
908949	Overall very good study. Please include how you expanded your ASP to all pharmacists - training provided, etc.
908949	Interesting! We are always assessing how to improve our antibiotic stewardship program. This author(s) have taken a very different approach to managing their processes. There are always positives and negatives to any changes. I look forward to see more details on how you overcame barriers, and ended with a program that has made a difference in your patients. Note: spelling - methods section, line 4, 7- day antibiotic review.

908955	More information should be added about how data was collected, and who are the study participants. The number of patients was low to make meaningful conclusions.
908955	Was there a difference in thrombus generation between the groups?

Submission ID	Reviewer Comments
912055	Very interesting case report with what appears to be a good amount of data. Thank you for taking the time to add this to the clinical pool.
912055	Without confirmation of specific genetic mutation, it would be extremely difficult, if not impossible, to develop a predictive algorithm for dosing patients with severe warfarin resistance. The fact that the patient was sub therapeutic for 7 years, without any episode of thromboembolic events, would potentially lead one to conclude whether or not anticoagulation with warfarin is appropriate for this patient.
912055	Interesting case. At some point, would another anticoagulant be considered?
915072	Great job harnessing the PGY1 program to promote learning and program expansion to PGY2s! Your cost avoidance shows the greatest impact on leadership - guaranteeing that pharmacy residents pay for themselves. Great work.
915072	Very good review showcasing the benefit of pharmacist on specialty teams.
915072	Define practice site - academic or community hospital. Bed size?

915082	The abstract describes an innovative project that would be of interest to meeting attendees. Based on the methods and results, the title would be more appropriately stated as Internal Crowdsourcing To Achieve Cost-Savings Recommendations During A Pandemic (or cost savings ideas or input on cost savings etc), since it involved collecting ideas vs implementing the projects and measuring cost savings. It would also help to describe the type of facility this data was collected from and when it was collected. Since reference was made to "during a pandemic", then it would help to know if this was a single hospital, type of hospital (beds, tertiary care facility?), the time period this took place, and whether the hospital was significantly affected by cases during the time period collected.
915082	Interesting and might be of interest to attendees with a management or financial focus. Some methodology is confusing, need more explanation on PDCA. How exactly did a survey save you 2 million dollars? It is unclear to me how medications related to survey - how did top 10 medications purchased play in to savings?
915082	Important to empower front line staff in these times. Timely project and appropriate methodology.

Submission ID	Reviewer Comments
915347	Good analysis of data presented. Would be interesting to include if patients received other pharmacologic treatment for low BMD.
915347	Well written abstract; well designed and thought out study. Very polished.
915347	Well designed, thorough and well presented. Interesting concept as well.
915561	This highlights a challenge that many health systems face. This was solid data that helps many pharmacist realize that they need to be more aggressive when designing phosphate replacement protocols.
915561	I don't think the "two highest change" subjects require mention in the abstract. If you rewrite this, please place IRB statement at end of Methods section, lead off with an interesting bang opposed to an IRB fizzle.

	Tell us how you handled the multiple dose patients. Did a specific amount of time need to pass between doses?
915561	Well designed study and interesting results. Will be interesting to see future directions/impact of this project.
915657	Interesting research topic; abstract well written and thorough; agree with conclusions based on reported findings.
915657	Consider improving your conclusion so that it is more clear and direct. It feels as if it runs on.
915657	Good description of the project. Would like to see more of your plan to increase appropriateness of use.
Submission ID	Reviewer Comments
915662	Great project looking at the trend of ketorolac use post-op.
915662	Good review of ketorolac use and possibility for expanding administration options at the institution.
915662	It is not clear if data collectors were given incentives to collect the data. Be clear on this if they were paid to provide the data. Was this project IRB approved?
915664	Methods section was well described.

915664	Great study, very pertinent to clinical practice. Strong methods, reported good study results and formulated an appropriate conclusion. It would be interesting to note, if your institution planned to make changes to ensure the medication was used appropriately.
915664	Nicely done MUE. In general, site-specific MUE's addressing compliance with protocol are not as interesting unless recommendations are provided to other institutions as to how they can use this data.
915716	The method indicated the primary endpoint is occurrence of VTE/stroke confirmed through imaging & secondary endpoints include all-cause mortality and major/minor bleeding events as defined by the International Society on Thrombosis and Hemostasis (ISTH). Unfortunately the results spoke of minor bleeding & deaths, no mention of VTE/stroke.
915716	Well conducted, important study that is needed for the literature. We do need to know the breakdown of how many patients had afib/flutter vs. VTE - more baseline demographic information should be included in Results.
915752	<p>Consider changing "There exists significant opportunity to develop highly skilled staff" to "significant opportunity exists"</p> <p>Would be helpful to put the actual cost savings dollar amount in addition to the 58% decrease in overall costs.</p> <p>Would be helpful to elaborate on the costs ie "On average, PPE was \$50 per employee" what is this saying - is it \$50 per person per day?</p> <p>Further explain the FTE breakdown and rthe cost.</p> <p>It would be interesting to address how those 2.5 FTEs were repurposed/ what happened to the prior workload that these 2.5 FTEs were performing</p>

Submission ID	Reviewer Comments
915752	<p>This is a unique cost-saving initiative for a health-system.</p> <p>The topic of this project was relevant with the recent sterile product requirement updates with USP 797.</p>
915752	<p>Abstract is well written and I am confident that other health systems will be interested in these results. I would encourage you to clarify more on what the objective is (i.e. the objective of this study was to...) since you mention financial figures in the results but do not explicitly say you are going to measure cost.</p>
915768	<p>Thanks for adding the literature on this topic.</p>

915768	Great study, good job including multiple secondary outcomes including common issues seen in cirrhosis patients.
915782	This is a very significant cost savings.
915782	Very applicable to other institutions. Could discuss the details in cost reduction analysis part and design should focus more on cost aspect under methods.
915782	Highlight barriers to cost savings and any specific outliers
915822	Straightforward
915822	This abstract is lacking details of how the study was designed and what was done to lead to these results. Throwing out cost savings alone doesn't provide enough details.

Submission ID	Reviewer Comments
915822	Watch spelling and include additional methods information.
915866	Interesting, would like more information on utilization of the program.
915866	Very well written. Interesting project and abstract that contributes to practice of pharmacy.

915866	Niche audience? Wee done though.
915876	-- Well written abstract , interesting topic -- Unsure how this will be applicable in the clinical practice as kinetics is different in pediatrics and geriatrics
915876	I would find it interesting to know a bit more about why the author suspects the pediatrics receive higher doses than geriatric pts. I think we've essentially confirmed the observation but I'm missing the why and so what. However, overall very well written!
915876	Reading the purpose I was confused on what the project was about. I am still not clear as to why this topic and especially the 2 ends of the spectrum was used. How is this going to be used in further practice? What does this add to knowledge about ceftriaxone?
915887	Well written and very timely investigation. Thank you!
915887	Where was the compound developed? Is this a compounded product that a specific institution is utilizing? Please be more specific in the description of the compound, where the study is occurring, etc. Please describe the results in more detail instead of just utilizing percentages as it's difficult to understand the results without some additional information.

Submission ID	Reviewer Comments
915887	This is an interesting project. I am curious about several things about the methods, but I understand that the abstract limitations prevent you from going into as much detail as I may be interested in.
915937	A case report of a single patient doesn't seem appropriate for a poster presentation at Midyear. In my opinion, this is not a particularly interesting/relevant topic to pharmacy practitioners.

915937	Well written abstract and interesting case report. Thank you for taking the time to submit.
915973	Nice job.
915973	Interesting findings/results.
915973	I would consider making your conclusion stronger since most of it is about your disclosures and acknowledgement. Perhaps emphasize that pharmacists could provide these interventions?
916011	What was the pharmacist involvement in the clinic with these patients? Is there any thought to adjust the involvement to see if you can make a more clinically relevant difference in A1c?
916011	Very well written. You could consider scaling back the baseline characteristics presented in your "Results" section and include them instead on the final poster presentation, for easier reading of the abstract. Consider that your "Results" section ends with a statement stating that more research is needed, but your "Conclusion" section suggests that pharmacists can improve population health initiatives. While I appreciate the honesty, this is contradictory, and perhaps the last sentence of your results section could be omitted in the abstract and instead discussed in the poster or the final publication.
916011	Researchers should consider a subgroup analysis of patients < 80 y/o since the ADA guidelines changed in 2018 (i.e. goal A1C of 8.5). I did not see the average age group of your patients, but you may find a greater difference in A1C at patients who did not have a change in goal A1C during your study. May also want to examine changes in medications by pharmacists (i.e. did pharmacists prescribe new medications for better glucose control. Also consider evaluating if statins or ASA were added when pharmacist began managing these patients.
Submission ID	Reviewer Comments
916023	Interesting and extremely relevant to pharmacy practice.

916023	Very innovative product and study. Overall title could be refined to gain better audience understanding and draw to the information. Aspects of the methods and results were hard to follow/understand. Refinement is warranted to ensure the audience obtains the salient information accurately.
916023	Avoid abbreviations in your text; like "y" for years "h" for hours, NLME, etc. No mention of IRB approval was provided. How were subjects identified? Remove "Final" from title and adjust wording. The current title gives the impression that you already presented the results in a previous poster when the project was not yet complete. The title should also be more descriptive of the project comparing the new formulation to bolus ketorolac. Although understandable, several sentences require re-wording and proper grammar.
916091	Innovative topic. Pertinent to today's pharmacy needs. So simple, but very helpful.
916091	Do you have information about utilization of these materials you created/posted?
916113	This project was well described and is of interest to health system pharmacists, especially those practicing in the specialty pharmacy setting. I was wondering if some of the metrics were operationally significant (hold time increase of 3 seconds, total call time increase of 17 seconds) and whether these differences before and after COVID-19 were statistically significant. Otherwise, all methods and results were presented clearly and easy to evaluate.
916113	Thank you for this submission - interesting but not sure how applicable this is to other health systems. I struggle with "post-COVID" since is that really a thing? Who is "we"? Everyone's need is different. Conclusion does not necessarily tie back to purpose.
916113	Relevant, timely, and solid methodology to evaluate work loads.

Submission ID	Reviewer Comments
---------------	-------------------

916127	Innovative topic. Although this software may not be an option at all hospitals, it appears that it's implementation may improve patient safety and medication waste/cost. It would be useful to include the cost of the software as well.
916127	Well done and interesting project. Thanks for taking the time to write up and share.
916128	Great job- supports previously published data on the subject. Would be interesting to know what percentage had confirmed pseudomonas isolates.
916128	Really interesting results!
916128	Would include definition of obesity (weight vs. BMI) did you look at varying degrees of obesity or just above specific wt/BMI - this would be helpful information for others to apply data to their sites.
916139	The results do not directly compare the two learning activities to meet the original objective.
916139	Not sure how did the authors validated that the education provided reflected on the practice of these pharmacists. the idea is great but the interpretation of the results is flawed.
916148	Would reword the "purpose" section with a brief background into why this study is relevant and necessary, then briefly list out overall intent of your study. Good study set up and impressive statistical analysis. Curious what the data for this study will be used for moving forward.