

PeriopSim

Survey & Educator Portal Results Data Summary
February 2016 to October 2017

Executive Summary

- For the period of 18 months we made 4 modules available within Periop 101 at no additional cost.
- Alongside the pilot we had a survey that was filled in, in order to win a prize.

Executive Summary

- Learners want more modules
- Millennial learners find it to be a valuable way to learn
- Setup is straightforward
- There was more value than people used

Executive Summary

- We gave 1,305 Experience Hours that would have cost an average of \$60/hour according to the preceptor and learner making \$30/hour.
- Total of \$78,300 in value for the pilot or on average \$254/learner.

Executive Summary

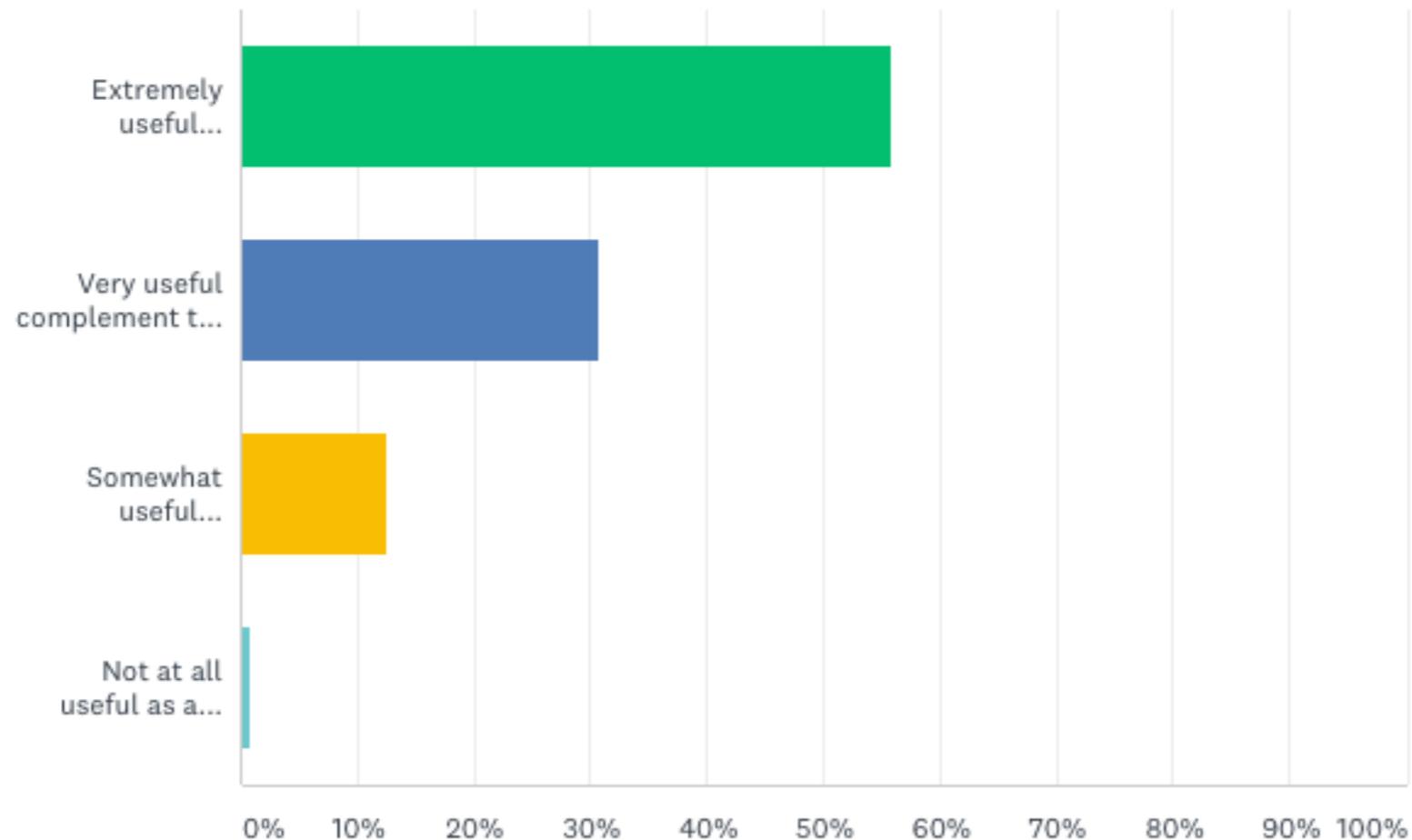
- Potential Value of 5 Experience Hours
* 2 Procedures * 308 learners @ \$60/
hour = \$184,800 - (308 learners * 2
hours for time on PeriopSim * 30) =
\$166,320 for the entire pilot or on
average \$540/learner.



Is PeriopSim valuable for learning?

How useful do you think PeriopSim would be as a complement to the Periop 101 course?

Answered: 127 Skipped: 128

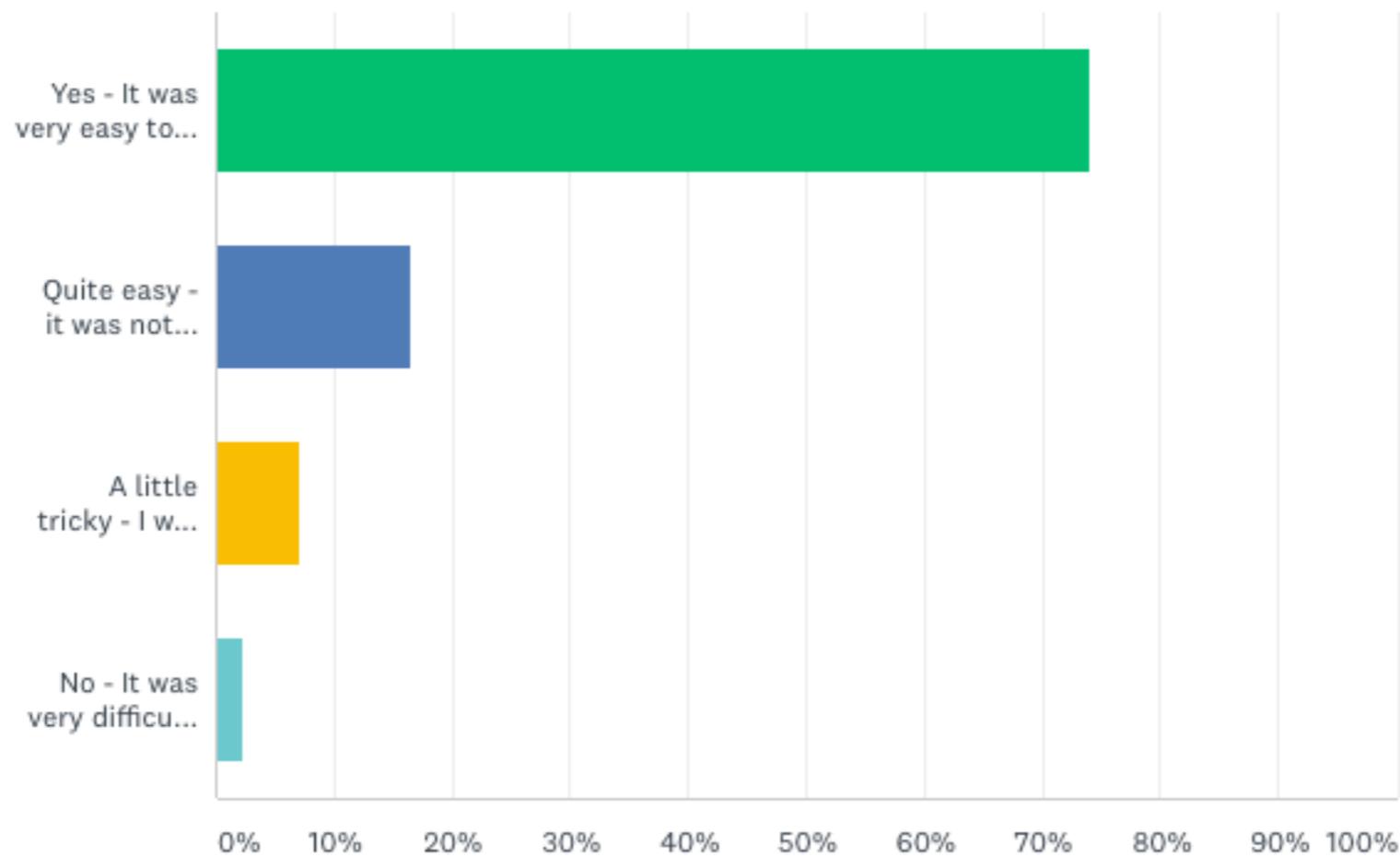


85% believe that PeriopSim is an extremely and very useful complement to Periop 101.

Source: AORN Periop 101 Pilot Survey: 255 respondents

Did you find it easy to get started with PeriopSim?

Answered: 127 Skipped: 128



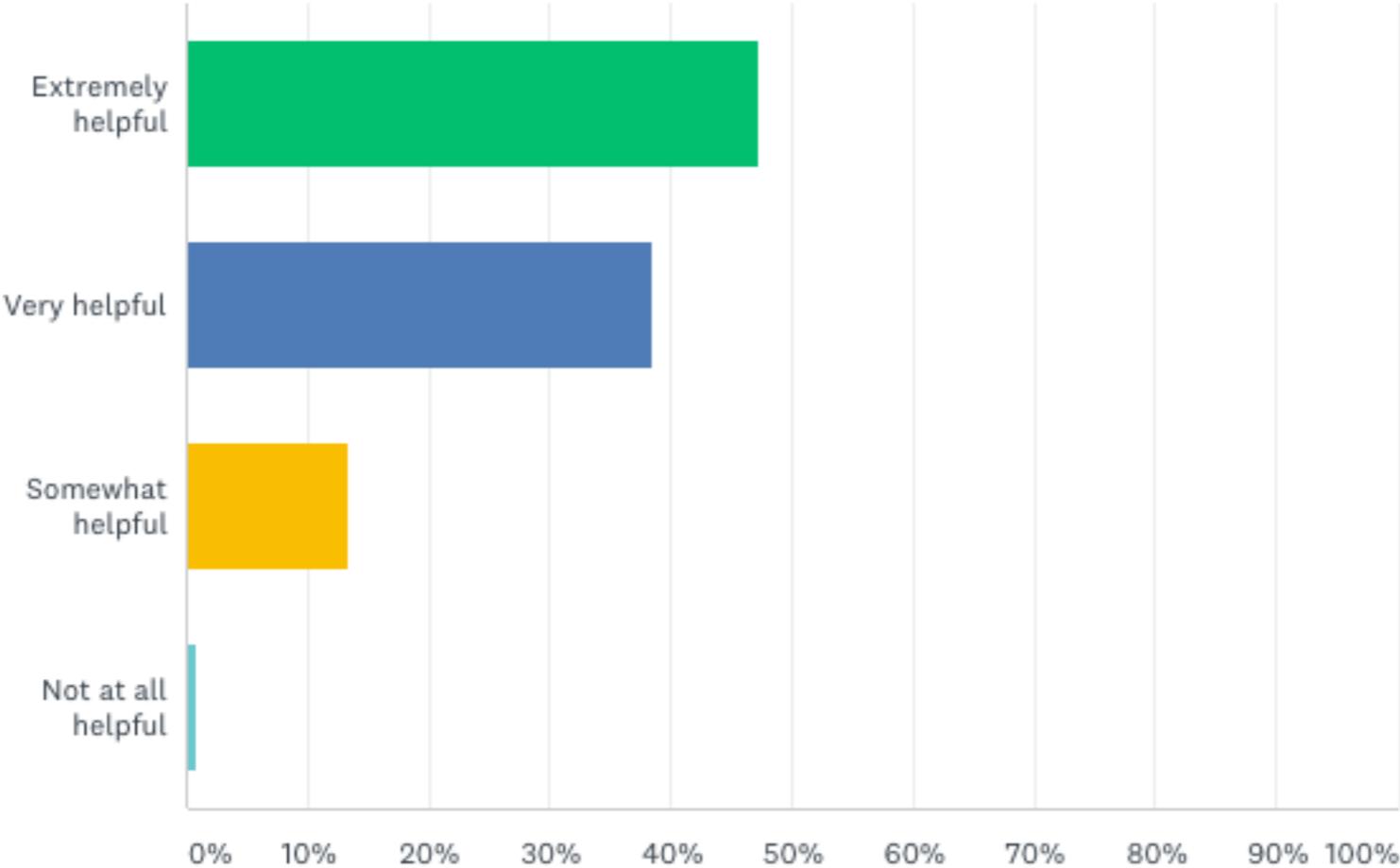
93% found PeriopSim very and quite easy to get started.

Source: AORN Periop 101 Pilot Survey: 255 respondents



How helpful did you find the feedback features for guiding and motivating learning? (verbal feedback and scoring)

Answered: 127 Skipped: 128



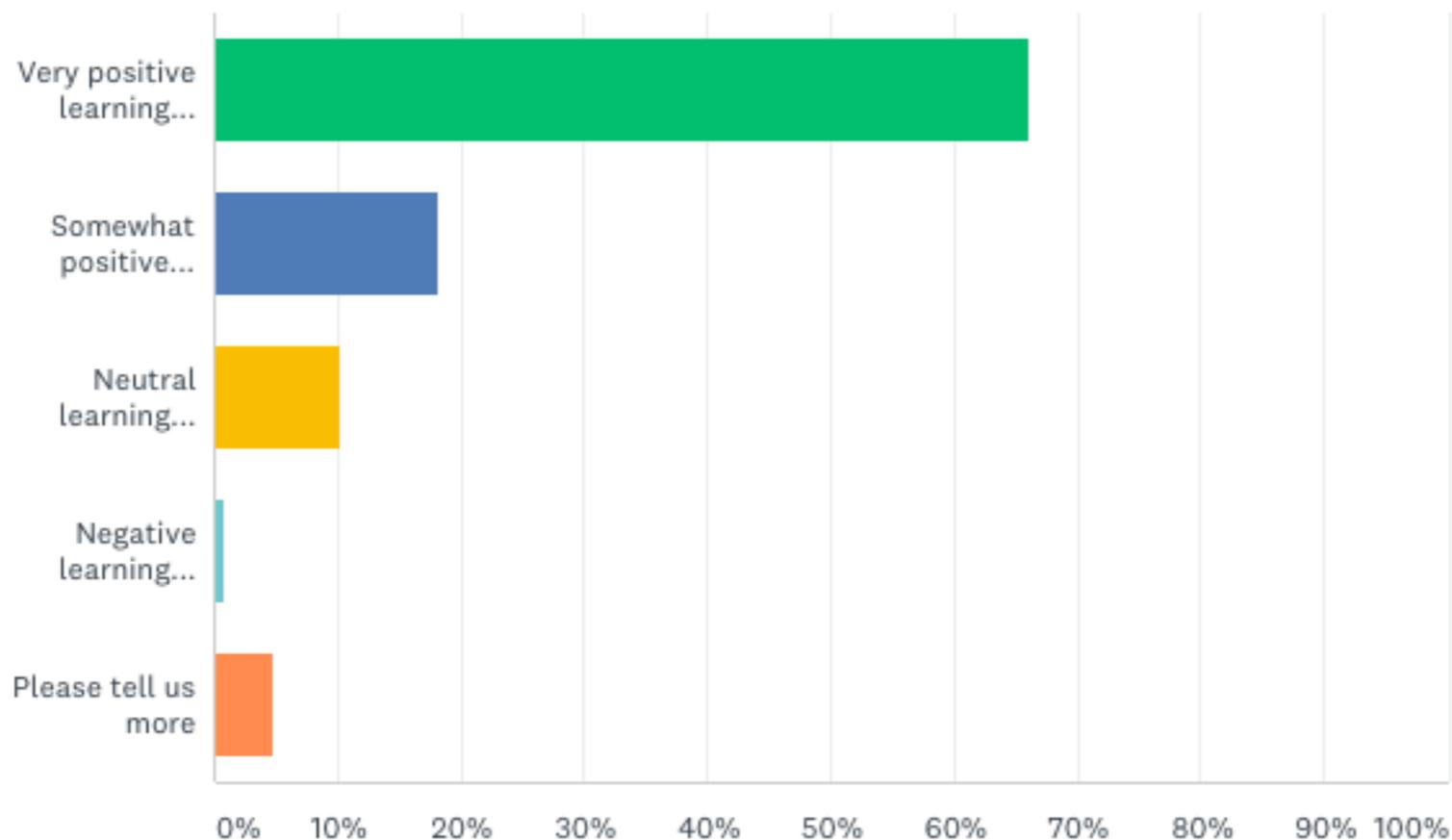
85% found PeriopSim to be extremely and very helpful for guiding and motivating learning

Source: AORN Periop 101 Pilot Survey: 255 respondents



How was your overall learning experience with PeriopSim?

Answered: 127 Skipped: 128



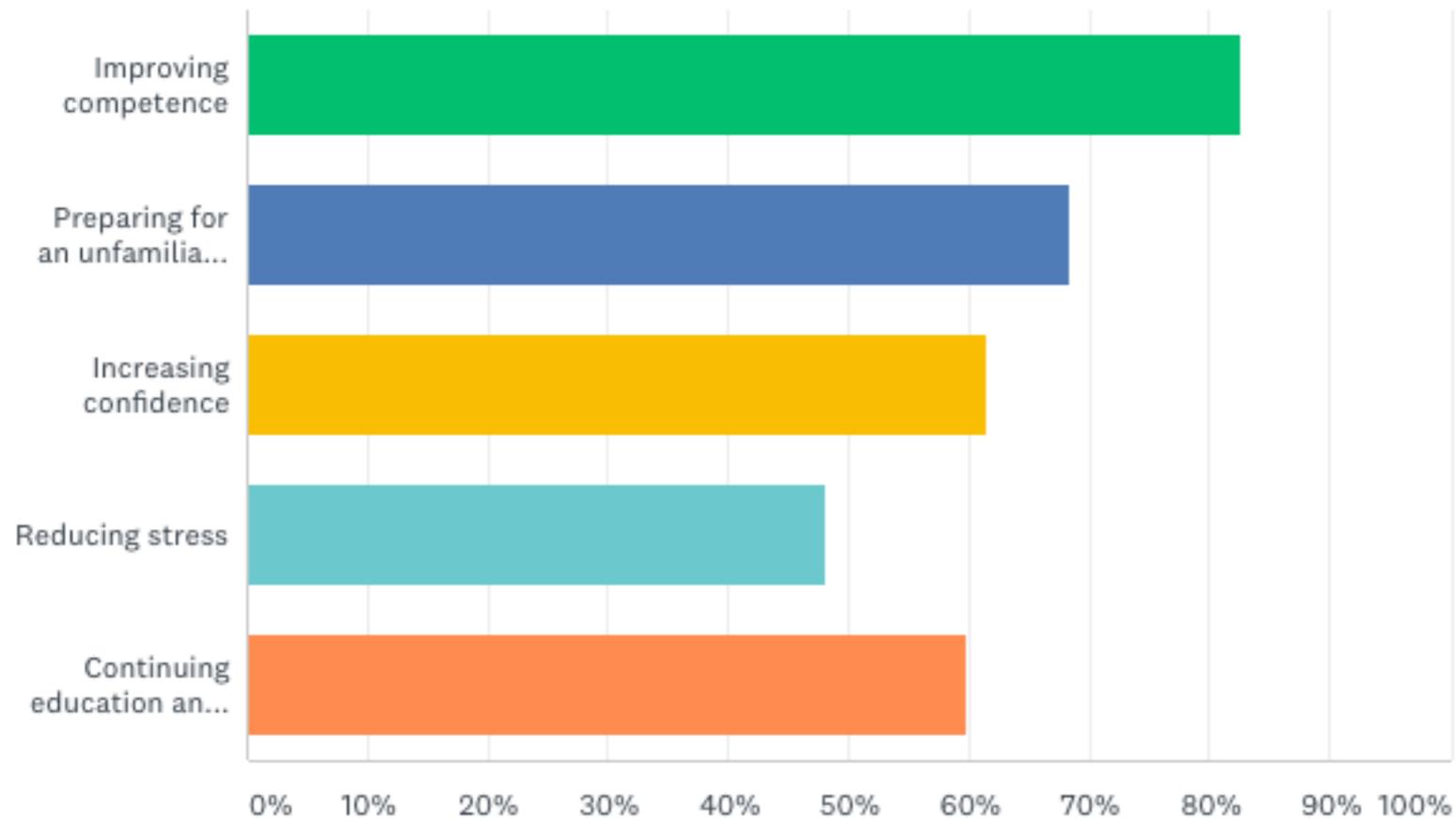
85% found PeriopSim to be a positive and very positive learning experience.

Source: AORN Periop 101 Pilot Survey: 255 respondents



How do you think PeriopSim would be most valuable to practicing Perioperative nurses? (You can select more than one.)

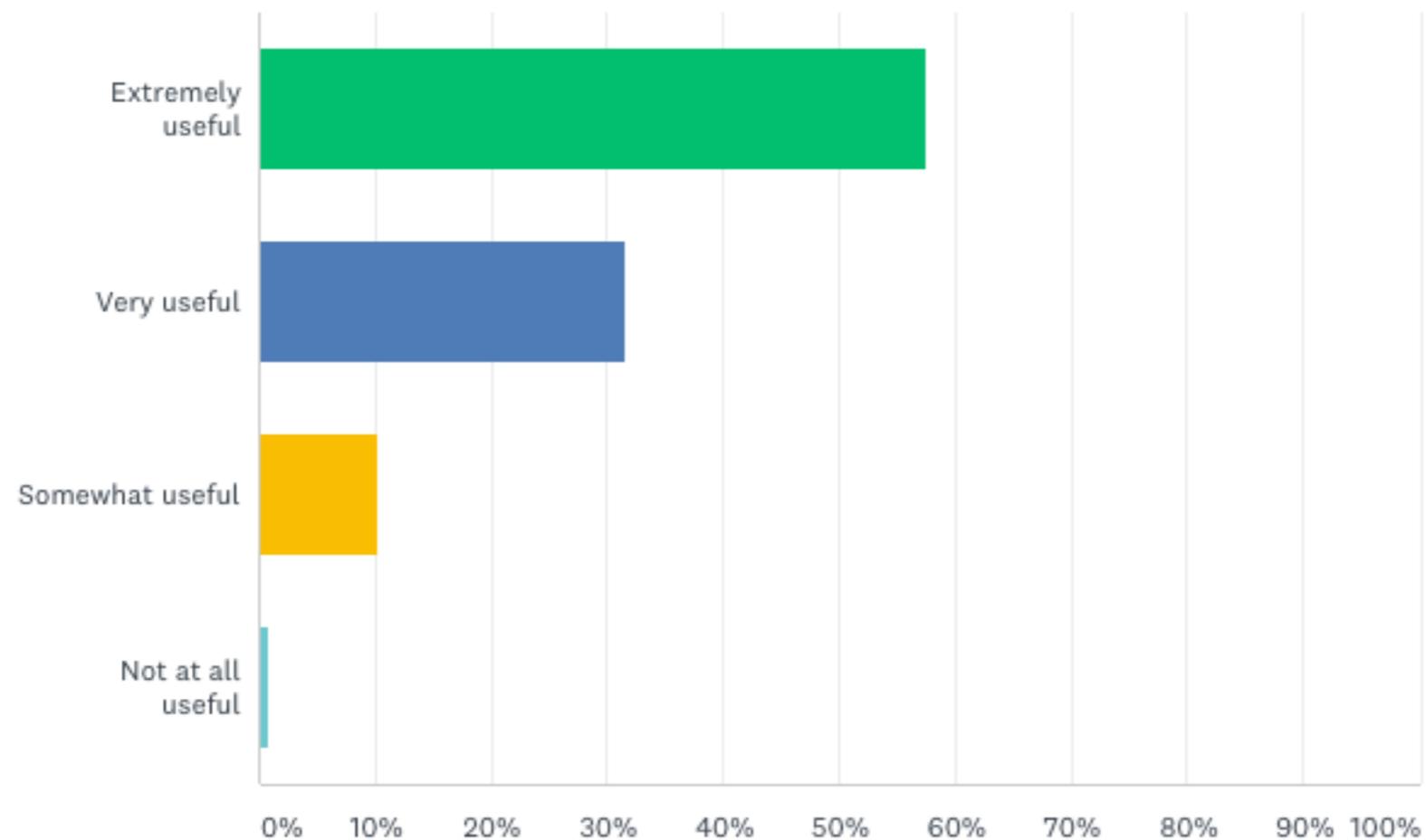
Answered: 127 Skipped: 128



Improving Competence is number 1 perceived value.

How valuable did you find PeriopSim for learning instrumentation?

Answered: 127 Skipped: 128



90% found PeriopSim **extremely and very useful** for learning Instrumentation

Source: AORN Periop 101 Pilot Survey: 255 respondents



Open Responses

- It was intellectually stimulating.
- It enhances my knowledge in surgical procedures
- I really like this as a tool to help people who are having a hard time with learning instruments or anticipating the next steps in a procedure.

Open Responses

- This is incredible! I actually did not start Periop 101 till months after I was hired. I'm also a new nurse so most things in the OR were foreign to me. Being able to participate in this Sim really gave me a better grasp and understanding of the instruments. I am a visual learner and I learn best by doing. I feel this Sim is a perfect complement to the Periop 101 Modules.
- Great opportunity to test your knowledge outside of the OR.
- Because PeriopSim helped me know how to apply the things I learned from the modules like handling instruments in a timely manner and learning the value of anticipating the needs of a surgeon.

Open Responses

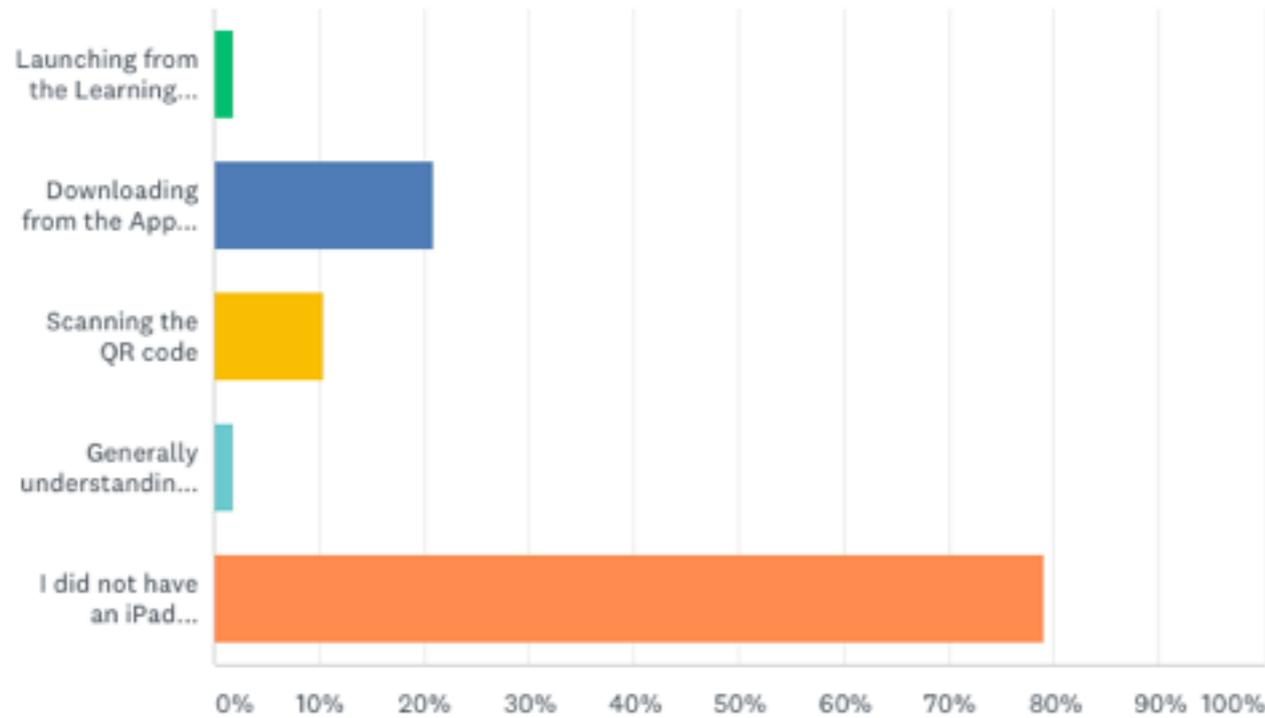
- Nurse are not scrubbing and therefore it helps to teach the tech the order. It also shows the RN the order of events to learn basics of surgery. However new OR nurses need instrument 101 in order to identify instruments to count. I would suggest a few other program to aid the RN in circulating duties.
- I think any time you add visuals with teaching it becomes more effective.
- Teaches anticipation, helps familiarization with instruments, develop speed.
- I was able to apply all the things I learned while doing my module
- Several of my current Periop students were fighting over their turn!



Areas for Improvement

Which stages did you have difficulty with? (You can select more than one.)

Answered: 105 Skipped: 150



ANSWER CHOICES	RESPONSES
▼ Launching from the Learning Centre	1.90% 2
▼ Downloading from the App Store	20.95% 22
▼ Scanning the QR code	10.48% 11
▼ Generally understanding the launch instructions	1.90% 2
▼ I did not have an iPad available	79.05% 83
Total Respondents: 105	

We heard you and are including iPads when you purchase PeriopSim.

Source: AORN Periop 101 Pilot Survey: 255 respondents



Open Responses

- No instructions that instruments need to be dragged and dropped
- Need more modules
- Doesn't work on my phone
- Took too long to download the modules
- The point system, not sure how points are calculated
- I don't have an iPad
- My nurses don't scrub

We hear you.

- Tutorial is coming in 2018
- Estimate of 20 new modules across Trauma, Ortho and OBGyn coming in 2018
- Instruments are already too small on the iPad so we currently don't have a date for supporting smartphones.
- Hospital Wifi isn't always consistent and we hope you can take the iPad home to download modules on your fast wifi.
- Points are determined by anticipation, speed and correctness
- We include the purchase of the iPad when you purchase a subscription
- Educators say that RNs that don't scrub need to know instruments for counting and need to be able to fill in for a Surg Tech in emergencies.

Educator Portal Results

Who & What?

- 306 Learners
- 2,038 Completed Modules
- ~261 Simulation Hours
- ~1,305 Experience Hours
- ~1,305 Hours of Preceptor Time Saved

Engagement

- Each session length was an average of 16 minutes.
- Each repeat session was 16 minutes in length and regardless of the time between sessions.

Lap Chole

Instrumentation used more than procedures!

- Lap Chole Procedure - 278 Total Playthroughs
 - 3 Learners did the procedure to proficiency with 7+ iterations out of 157 Learners
- Lap Chole Instrumentation - 503 Total Playthroughs
 - 37 Learners did the procedure to proficiency with 3+ iterations out of 169 Learners

Hernia Repair

Instruments used more than procedures!

- Hernia Procedure - 313
 - 3 Students did the procedure to proficiency with 7+ Iterations out of 168. 68 did 2+ iterations.
- Hernia Instrumentation - 669
 - 64 Students did instrumentation to proficiency with 3+ Iterations of 239

Proficiency

Why 3 and 7?

- Our research shows that Proficiency is reached with 3+ iterations on the instrumentation and 7+ on the procedure.
- Our model is based on 10 Experience Hours for each 1 hour procedure where 5 is done with PeriopSim and 5 with a Preceptor.

Our Recommendation

50% using PeriopSim and 50% with a Preceptor

- <https://www.ncsbn.org/685.htm>
- PeriopSim is a digital simulation delivery platform which may be used a complement to or a substitute for up to 50% traditional clinical experience as proposed in the landmark NCSBN National Simulation Survey.

For Each 1 hr Procedure

Today

Preceptor 10 Experience Hours with Learner for proficiency
OR cutting patient safety by limiting roles and proficiency sign off or maintenance because of time and resource limitations.

Educator Time Scheduling

With
PeriopSim

1 hr
with
Periop
Sim

Preceptor
Time Savings

Preceptor 5 Experience
Hours with Learner

Scheduling Savings

Educator Time Scheduling

Maintaining Proficiency

Today

How do you maintain proficiency for trauma or rare procedures? How proficient are staff for each procedure?

With
PeriopSim

30
minutes
with
PeriopSim

Preceptor sign off on proficiency for Procedures is an option.
Quarterly or bi-annual proficiency reviews. Educator Portal will identify who is proficient at which procedure at any given point in time.

What can you do with Savings?

- Take the pressure off the preceptors
- Onboard more learners in each cohort
- Use preceptors to support staff with maintaining proficiency using PeriopSim or other methods
- Ease the pressure on staffing numbers as learners will be proficient quicker