SE10EOa – TEACHING AND ROLE DEVELOPMENT

CLABSI Reduction Education Plan Targets Learning Needs and Improves CLABSI Rates

Using the required empirical outcomes (EO) presentation format, provide an example of an improved patient outcome associated with a nursing needs assessment and a related implementation plan at the ambulatory care setting, unit, or division level.

Problem

In April 2021, the NewYork-Presbyterian/Columbia University Irving Medical Center (NYP/Columbia) Nursing Professional Development department conducted an annual continuing education assessment, known as the learning needs assessment (LNA), through an online survey platform for all nurses, including clinical nurses from Surgical Oncology (7HS-605154) [7HS] participating under Adult Oncology/Infusion Suite/BMT units. The organization uses the LNA results to develop and implement educational programs across NYP/Columbia.

The 2021 LNA, Question #5, located on pages 5 – 6 (SE10EOa.1—2021 Learning Needs Assessment Results), asked each nurse to rank 15 learning needs topics on a scale of 1 to 15, 1 being the most needed and 15 being the least. Central line-associated bloodstream infection (CLABSI) prevention was ranked among the top five learning needs identified. This ranking indicated that clinical nurses, including clinical nurses on 7HS, would benefit from additional education on CLABSI prevention. Due to the COVID-19 pandemic surges, educational plans for the inpatient units were initially put on hold. SE10EOa.1—2021 Learning Needs Assessment Results

Pre-Intervention

February 2022:

- The CLABSI rate per 1,000 central line days was 8.0 in February 2022 on 7HS.

- Anthony Sociedade, MSN, MBA, RN, NEA-BC, CCRN-K, Patient Care Director (nurse manager), 7HS, reached out to Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN, nurse educator, to evaluate quality data and learning needs and opportunities to improve patient outcomes. Mr. Sociedade and Ms. Goode-Marshall discussed the potential gap in port access and blood specimen collection knowledge/skills associated with central lines among 7HS nurses - which may contribute to an increase in CLASBIs. Recognizing that nurses identified CLABSI as a top learning need on the most recent LNA in 2021 and the recent quality trends, Mr. Sociedade and Ms. Goode-Marshall pointed to the need to further explore the 7HS nurses' learning needs associated with CLABSI prevention.

- Tracy Owusu, MSN, RN-BC, Clinical Nurse Manager (clinical nurse), invited Ms. Goode-Marshall to attend 7HS unit huddles to re-assess clinical nurses learning needs on specific areas of CLABSI prevention that they could benefit from. Based on the feedback from the clinical nurses, Ms. Owusu and Ms. Goode-Marshall identified port access and blood specimen collection policies and procedures as the most important CLABSI prevention learning need.

Goal Statement

To decrease the CLABSI rate per 1,000 central line days on 7HS

Participants

Name/Credentials	Discipline	Title	Department/Unit
Tracy Owusu, MSN, RN-BC	Nursing	Clinical Nurse Manager (Clinical Nurse)	7HS
Anthony J. Sociedade, MSN, MBA, RN, NEA-BC, CCRN-K	Nursing	Patient Care Director (Nurse Manager)	7HS
Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN	Nursing	Nurse Educator	Nursing Professional Development
Maria Emiluth Ramos, BSN, RN, CPHON, BMTCN	Nursing	Clinical Nurse Manager (Clinical Nurse)	BMT HP11
Dawn Constancio, MBA, BSN, RN	Nursing	Patient Care Director (Nurse Manager)	Infusion Center
Stephany Villacres, MSN, RN, PMH-BC	Nursing	Nurse Educator	Nursing Professional Development

Intervention

March 2022:

- Ms. Goode-Marshall created an education plan on how to collect blood cultures, access implanted ports, drawing blood from central lines, and proper central line dressing. The content included the following:

  Accessing Implanted Ports

  - o RN's responsibilities in the care and maintenance of patients with central line
  - o Evidence- based practices to prevent CLABSI
  - o Steps in accessing implanted ports
  - o Application and removal of central line dressing per NYP Policy
  - o Central line intravenous medication administration through an implanted port as per PROC 722
  - o Central line (i.e., implanted port) blood specimen collection as per NYP Policy
  - o Steps in de-accessing an implanted port

  Blood Culture Collection

  - o Chest tubes, drains, and suction set-up
  - o Patient-controlled analgesia (PCA)
  - o Safe handling of hazardous drugs
  - o Central line dressing (stat lock device)
  - o Central line blood draws

April 2022:

- Ms. Goode-Marshall conducted an educational in-service on port access as part of the Nurse Educator In-service Thursday Series on 7HS. The in-service followed her education plan and included:

  - o RN's responsibilities in the care and maintenance of patients with central line
  - o Evidence-based practices to prevent CLABSI
  - o Steps in accessing implanted ports
  - o Application and removal of central line dressing per NYP Policy
  - o Central line intravenous medication administration through an implanted port as per PROC 722
  - o Central line (i.e., implanted port) blood specimen collection as per NYP Policy
  - o Steps in de-accessing an implanted port.

May 2022:

- Ms. Goode-Marshall conducted an in-service on blood culture collection as part of the Nurse Educator In-service Thursday Series in 7HS. During the in-service, the nurses learned the following:

  - Nurses' responsibilities in blood culture specimen collection from a peripheral and vascular access device as per NYP policy (PROC 728)

  - Peripheral blood culture specimen collection procedure

  - Vascular access device blood culture specimen collection procedure.

- Mr. Sociedade; Ms. Owusu; Dawn Constancio, MBA, BSN, RN, Patient Care Director (nurse manager), Infusion Center (606544) [Infusion Center]; Maria Emiluth Ramos, BSN, RN, CPHON, BMTCN, Clinical Nurse Manager (clinical nurse), BMT (HP11-605182) [BMT HP11]; in collaboration with Ms. Goode-Marshall and Stephany Villacres, MSN, RN, PMH-BC, nurse educator, hosted an Oncology Skills Day on May 17, 2022, May 20, 2022, and May 24, 2022. By the end of May and the completion of the Oncology Skills Day events, the 7HS clinical nurses' skills were deemed competent for the following skills, which were fully implemented in daily practice:
  - Chest tubes, drains, and suction set-up
  - Patient-controlled analgesia (PCA)
  - Safe handling of hazardous drugs
  - Central line dressing (stat lock device)
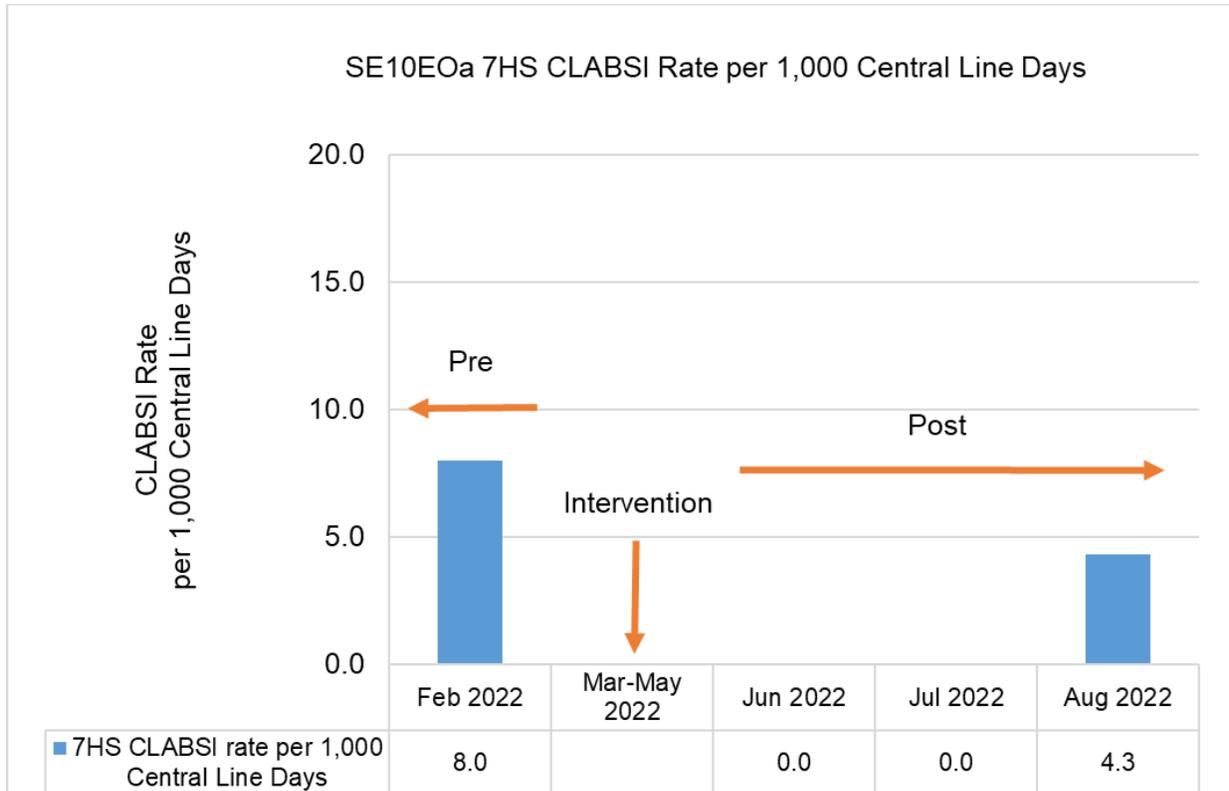 - Central line blood draws, implanted ports

Impact Statement: The implementation of the CLABSI education plan customized towards the specific needs identified by the LNA and feedback from nurses during rounds addressed gaps in knowledge and practice of CLABSI prevention, thereby decreasing 7HS CLABSI rate. SE10EOa.2—Education Implementation Plan

- **Key references:**

D'Souza, P. C., Kumar, S., Kakaria, A., Al-Sukaiti, R., Al-Baimani, K., Hamid, R. S., Mittal, A. K., Al-Balushi, M., Burney, I. A., & Al-Moundhri, M. S. (2021). Complications and Management of Totally Implantable Central Venous Access Ports in Cancer Patients at a University Hospital in Oman. *Sultan Qaboos University Medical Journal*, *21*(1), e103-e109. https://doi.org/10.18295/squmj.2021.21.01.014
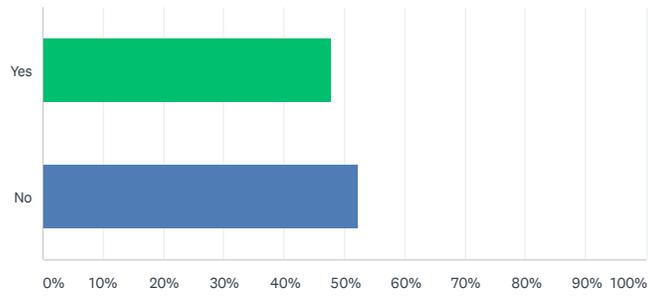
Gorski, L. A., Hadaway, L., Hagle, M. E., Broadhurst, D., Clare, S., Kleidon, T., Meyer, B. M., Nickel, B., Rowley, S., Sharpe, E., & Alexander, M. (2021). Infusion Therapy Standards of Practice, 8th Edition. *Journal of Infusion Nursing,* The Official Publication of the Infusion Nurses Society, *44*(1S Suppl 1), S1-S224. https://doi.org/10.1097/NAN.0000000000000396.

Outcome

SE10EOa 7HS CLABSI Rate per 1,000 Central Line Days

	Feb 2022	Mar-May 2022	Jun 2022	Jul 2022	Aug 2022
7HS CLABSI rate per 1,000 Central Line Days	8.0		0.0	0.0	4.3

Q1 1. Do you prefer virtual training over live training?

Answered: 197   Skipped: 0

ANSWER CHOICES	RESPONSES	
Yes	47.72%	94
No	52.28%	103
TOTAL		197

Q2 2. In what time frame do you prefer virtual training sessions to occur?

Answered: 197   Skipped: 0
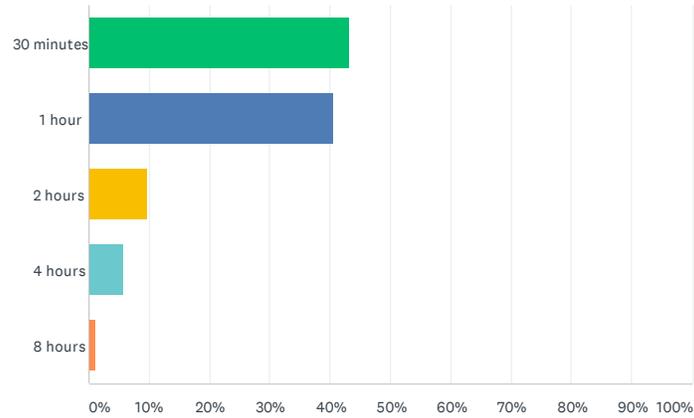
ANSWER CHOICES	RESPONSES	
30 minutes	43.15%	85
1 hour	40.61%	80
2 hours	9.64%	19
4 hours	5.58%	11
8 hours	1.02%	2
TOTAL		197

Q3 3. What methods used during virtual training do you prefer to foster engagement? (Please check all that apply)

Answered: 197   Skipped: 0
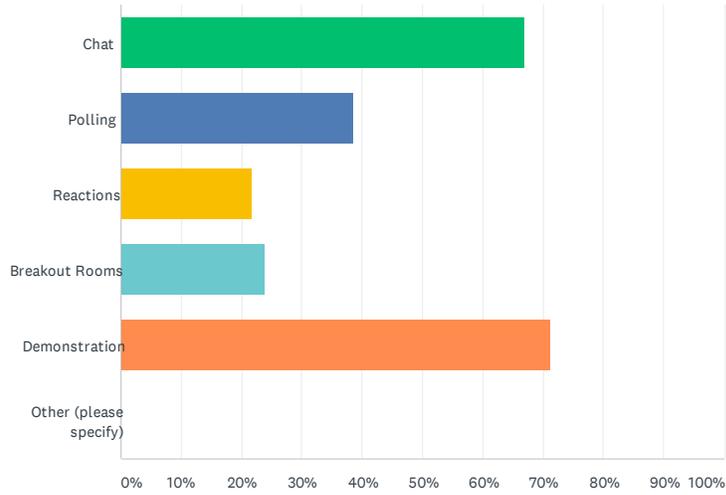
ANSWER CHOICES	RESPONSES	
Chat	67.01%	132
Polling	38.58%	76
Reactions	21.83%	43
Breakout Rooms	23.86%	47
Demonstration	71.07%	140
Other (please specify)	0.00%	0
Total Respondents: 197		

Q4 4. Rank the following based on your perceived need for education 1 is the highest and 5 is the least need

Answered: 197   Skipped: 0
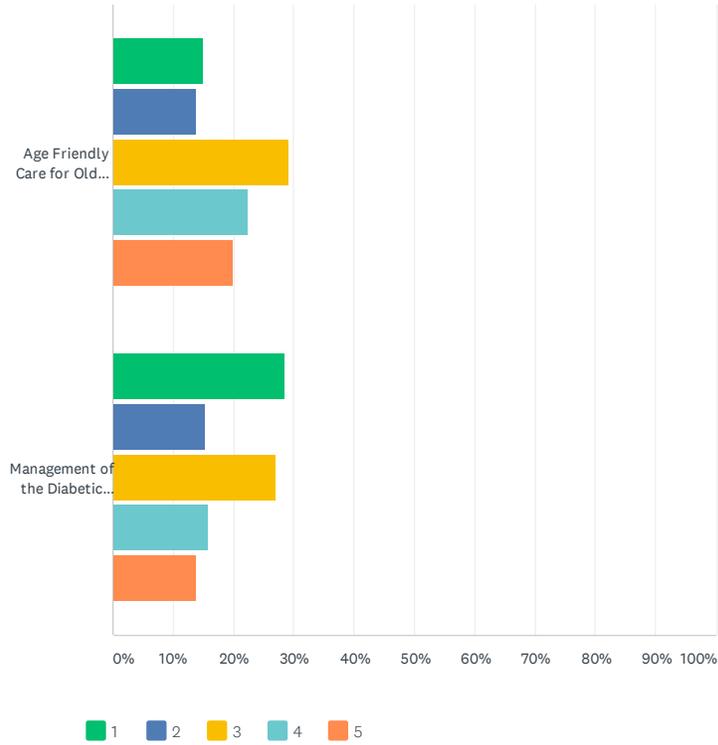
	1	2	3	4	5	TOTAL	WEIGHTED AVERAGE
Age Friendly Care for Older Adults	14.80% 29	13.78% 27	29.08% 57	22.45% 44	19.90% 39	196	3.19
Management of the Diabetic Patient	28.43% 56	15.23% 30	26.90% 53	15.74% 31	13.71% 27	197	2.71

Q5 5. General Topics: Rank the following based on your perceived need for education. 1 is the most need and 15 is needed the least

Answered: 197   Skipped: 0
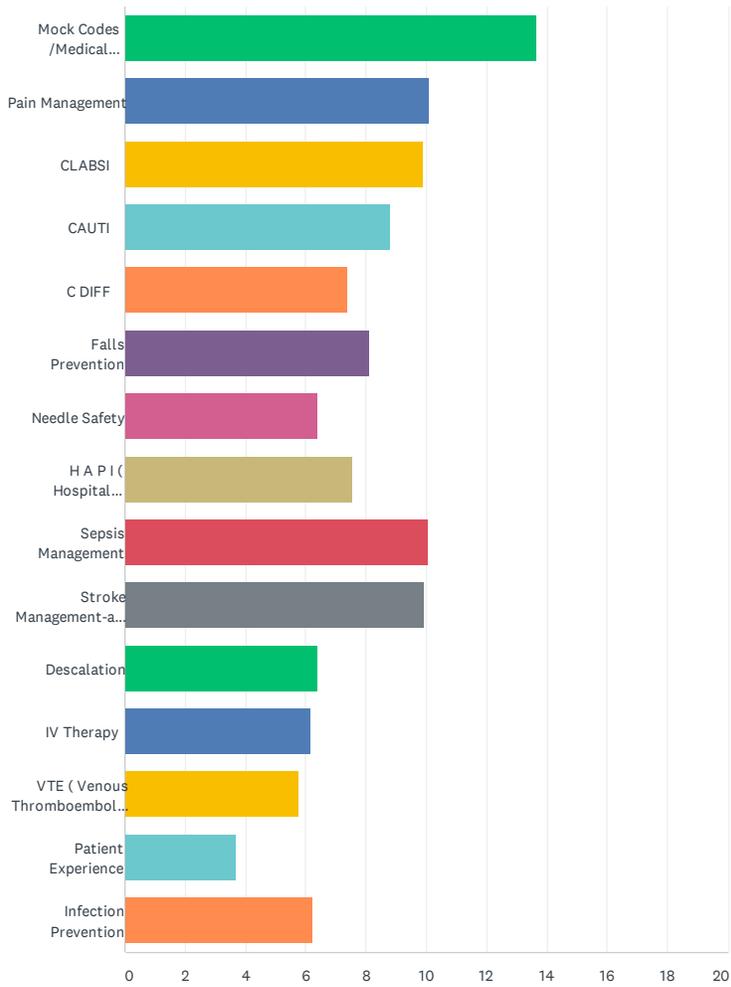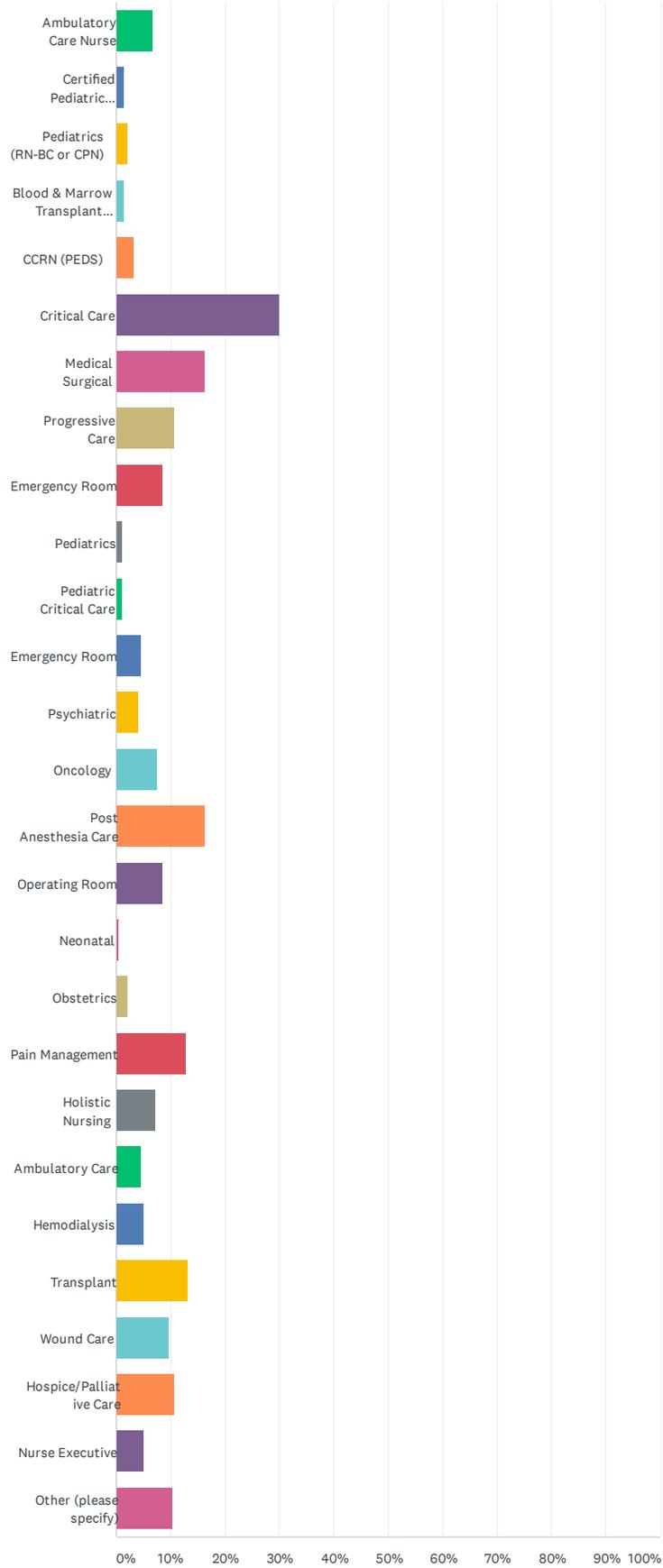
2021 Clinical Nurse Learning Needs Assessment_Milstein

	1	2	3	4	5	6	7	8	9	10	11	12	13	1
Mock Codes /Medical Emergencies (RRT Emergencies)	69.54% 137	10.15% 20	5.58% 11	2.03% 4	2.03% 4	1.52% 3	0.51% 1	1.52% 3	1.02% 2	1.02% 2	0.51% 1	1.52% 3	1.02% 2	
Pain Management	5.08% 10	21.32% 42	16.24% 32	8.12% 16	5.58% 11	4.06% 8	7.61% 15	5.58% 11	5.58% 11	2.03% 4	6.09% 12	3.05% 6	1.52% 3	
CLABSI	1.52% 3	9.14% 18	17.77% 35	12.18% 24	10.66% 21	11.17% 22	8.63% 17	4.57% 9	4.57% 9	5.08% 10	6.60% 13	2.54% 5	1.52% 3	
CAUTI	1.02% 2	1.52% 3	4.06% 8	18.27% 36	10.66% 21	13.20% 26	12.18% 24	8.12% 16	6.60% 13	8.12% 16	3.05% 6	4.06% 8	3.55% 7	
C DIFF	0.51% 1	2.03% 4	0.51% 1	5.58% 11	11.17% 22	11.17% 22	9.64% 19	12.18% 24	8.63% 17	8.63% 17	7.61% 15	5.08% 10	6.60% 13	
Falls Prevention	1.02% 2	3.55% 7	7.61% 15	5.08% 10	9.64% 19	15.23% 30	7.61% 15	9.14% 18	8.12% 16	8.12% 16	6.09% 12	6.60% 13	3.05% 6	
Needle Safety	0.51% 1	3.05% 6	2.54% 5	3.05% 6	4.06% 8	5.08% 10	8.12% 16	12.69% 25	9.14% 18	8.63% 17	9.64% 19	9.64% 19	7.61% 15	
H A P I (Hospital Acquired Pressure Injury) Prevention	1.52% 3	3.05% 6	1.52% 3	7.11% 14	4.57% 9	6.60% 13	7.61% 15	16.24% 32	17.26% 34	7.61% 15	10.15% 20	7.11% 14	5.08% 10	
Sepsis Management	4.06% 8	17.77% 35	16.75% 33	7.11% 14	7.61% 15	6.09% 12	4.57% 9	5.08% 10	10.66% 21	8.12% 16	2.03% 4	4.06% 8	4.06% 8	
Stroke Management- activation	6.09% 12	15.74% 31	13.71% 27	9.14% 18	6.09% 12	6.09% 12	6.09% 12	5.58% 11	4.57% 9	13.20% 26	6.09% 12	2.54% 5	2.03% 4	
Descalation	3.05% 6	2.03% 4	3.55% 7	6.60% 13	5.08% 10	2.54% 5	7.61% 15	3.55% 7	2.54% 5	6.60% 13	20.81% 41	13.20% 26	10.15% 20	
IV Therapy	1.02% 2	2.03% 4	1.02% 2	6.60% 13	8.63% 17	6.60% 13	3.55% 7	4.06% 8	4.57% 9	7.11% 14	7.61% 15	20.81% 41	11.17% 22	1
VTE (Venous Thromboembolism)	0.00% 0	2.03% 4	2.54% 5	4.57% 9	5.58% 11	4.57% 9	7.11% 14	3.05% 6	7.11% 14	6.60% 13	6.09% 12	11.17% 22	25.38% 50	1
Patient Experience	1.02% 2	1.02% 2	1.52% 3	1.52% 3	2.54% 5	2.03% 4	3.05% 6	4.06% 8	3.05% 6	3.55% 7	3.05% 6	4.57% 9	10.15% 20	2
Infection Prevention	4.06% 8	5.58% 11	5.08% 10	3.05% 6	6.09% 12	4.06% 8	6.09% 12	4.57% 9	6.60% 13	5.58% 11	4.57% 9	4.06% 8	7.11% 14	

Q6 6. What nursing certification course would you be interested in taking in the next year? (Please check all that apply)

Answered: 197   Skipped: 0

2021 Clinical Nurse Learning Needs Assessment_Milstein

Category	
Ambulatory Care Nurse	
Certified Pediatric...	
Pediatrics (RN-BC or CPN)	
Blood & Marrow Transplant...	
CCRN (PEDS)	
Critical Care	
Medical Surgical	
Progressive Care	
Emergency Room	
Pediatrics	
Pediatric Critical Care	
Emergency Room	
Psychiatric	
Oncology	
Post Anesthesia Care	
Operating Room	
Neonatal	
Obstetrics	
Pain Management	
Holistic Nursing	
Ambulatory Care	
Hemodialysis	
Transplant	
Wound Care	
Hospice/Palliative Care	
Nurse Executive	
Other (please specify)	

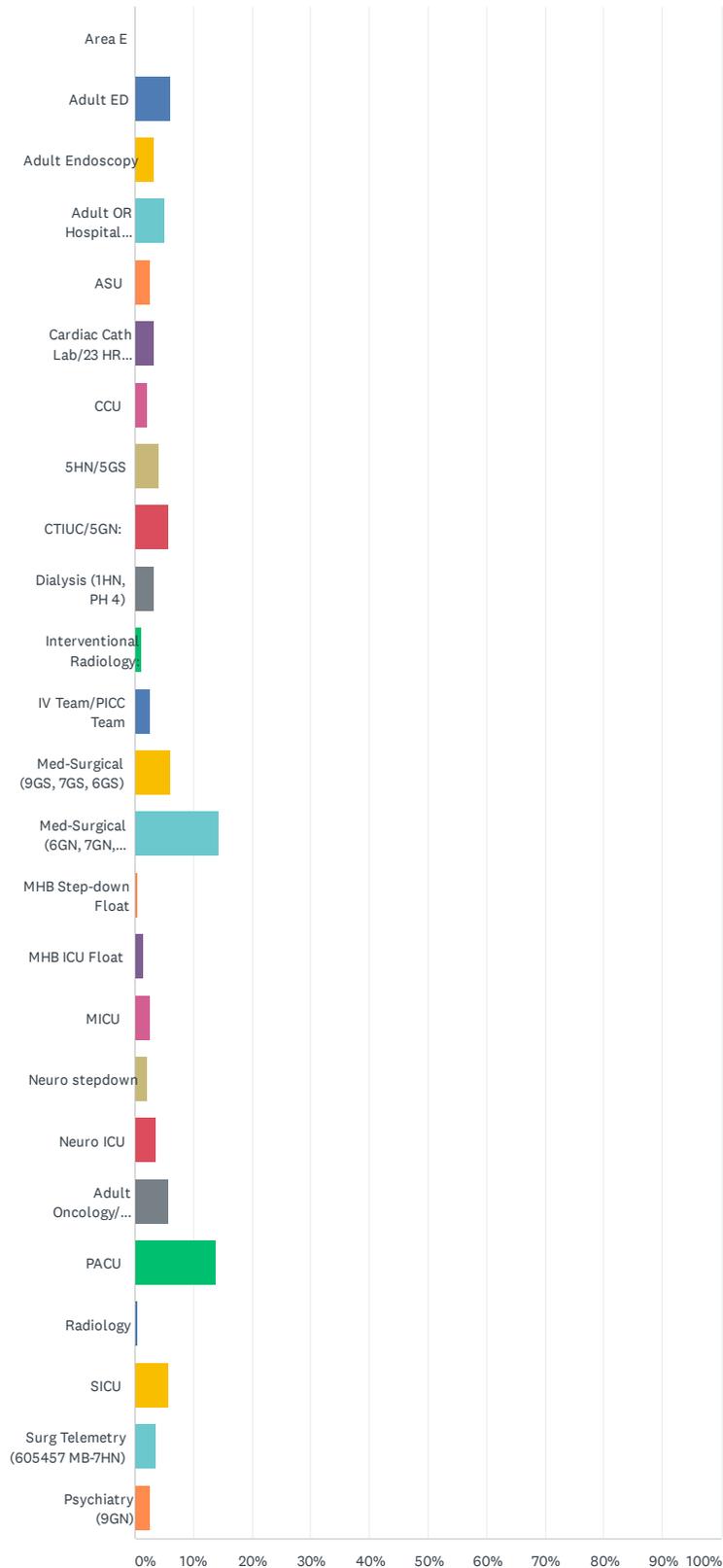| ANSWER CHOICES	RESPONSES	
Ambulatory Care Nurse	6.60%	13
Certified Pediatric Hematology Oncology Nurse (CPHON)	1.52%	3
Pediatrics (RN-BC or CPN)	2.03%	4
Blood & Marrow Transplant Certified Nurse (BMTCN) l ONCC	1.52%	3
CCRN (PEDS)	3.05%	6
Critical Care	29.95%	59
Medical Surgical	16.24%	32
Progressive Care	10.66%	21
Emergency Room	8.63%	17
Pediatrics	1.02%	2
Pediatric Critical Care	1.02%	2
Emergency Room	4.57%	9
Psychiatric	4.06%	8
Oncology	7.61%	15
Post Anesthesia Care	16.24%	32
Operating Room	8.63%	17
Neonatal	0.51%	1
Obstetrics	2.03%	4
Pain Management	12.69%	25
Holistic Nursing	7.11%	14
Ambulatory Care	4.57%	9
Hemodialysis	5.08%	10
Transplant	13.20%	26
Wound Care	9.64%	19
Hospice/Palliative Care	10.66%	21
Nurse Executive	5.08%	10
Other (please specify)	10.15%	20
Total Respondents: 197		

Q7 7. Please indicate any topic that you would like addressed in an all-day continuing education course? (Please write in)

Answered: 130   Skipped: 67

Q8 8. Please indicate any specialty areas you would like addressed in an all-day continuing education course? (Please select your area of clinical practice)

Answered: 197   Skipped: 0

ANSWER CHOICES	RESPONSES	
Area E	0.00%	0
Adult ED	6.09%	12
Adult Endoscopy	3.05%	6
Adult OR Hospital (Milstein)/Eye OR	5.08%	10
ASU	2.54%	5
Cardiac Cath Lab/23 HR Unit/TEE	3.05%	6
CCU	2.03%	4
5HN/5GS	4.06%	8
CTIUC/5GN:	5.58%	11
Dialysis (1HN, PH 4)	3.05%	6
Interventional Radiology:	1.02%	2
IV Team/PICC Team	2.54%	5
Med-Surgical (9GS, 7GS, 6GS)	6.09%	12
Med-Surgical (6GN, 7GN, HP-10, 9HN, 8GN, HP-10, Med-Surgical Float Pool)	14.21%	28
MHB Step-down Float	0.51%	1
MHB ICU Float	1.52%	3
MICU	2.54%	5
Neuro stepdown	2.03%	4
Neuro ICU	3.55%	7
Adult Oncology/ Infusion Suite/ BMT Unit	5.58%	11
PACU	13.71%	27
Radiology	0.51%	1
SICU	5.58%	11
Surg Telemetry (605457 MB-7HN)	3.55%	7
Psychiatry (9GN)	2.54%	5
TOTAL		197

Q9 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 0   Skipped: 197

⚠ No matching responses.

	1	2	3	4	TOTAL	SCORE
Care of the geriatric patient	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0	0.00
Management of CIWA patient	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0	0.00
Accessing/de-accessing port-a-caths	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0	0.00
Team dynamics during a cardiac arrest	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0	0.00

## Q10 Rank the following based on your perceived need for education 1 is the highest and 7 is the least need:

Answered: 12   Skipped: 185
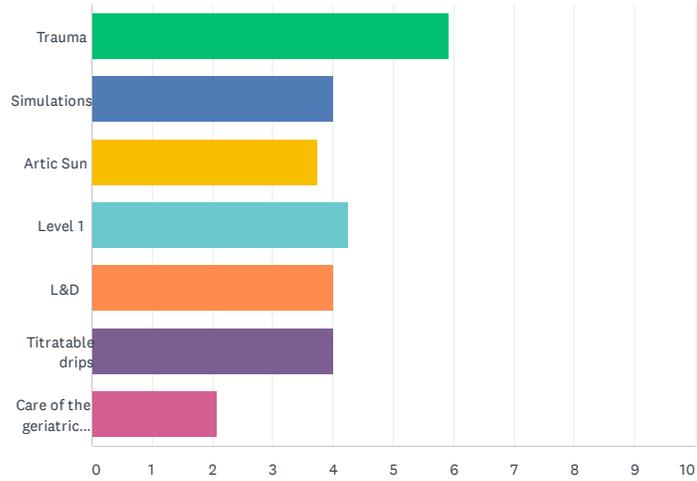
	1	2	3	4	5	6	7	TOTAL	SCORE
Trauma	50.00% 6	16.67% 2	16.67% 2	8.33% 1	8.33% 1	0.00% 0	0.00% 0	12	5.92
Simulations	8.33% 1	16.67% 2	25.00% 3	8.33% 1	8.33% 1	25.00% 3	8.33% 1	12	4.00
Artic Sun	8.33% 1	8.33% 1	25.00% 3	8.33% 1	16.67% 2	25.00% 3	8.33% 1	12	3.75
Level 1	0.00% 0	33.33% 4	16.67% 2	16.67% 2	16.67% 2	8.33% 1	8.33% 1	12	4.25
L&D	16.67% 2	16.67% 2	0.00% 0	16.67% 2	25.00% 3	16.67% 2	8.33% 1	12	4.00
Titratable drips	16.67% 2	0.00% 0	8.33% 1	41.67% 5	16.67% 2	8.33% 1	8.33% 1	12	4.00
Care of the geriatric patient	0.00% 0	8.33% 1	8.33% 1	0.00% 0	8.33% 1	16.67% 2	58.33% 7	12	2.08

## Q11 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 5   Skipped: 192
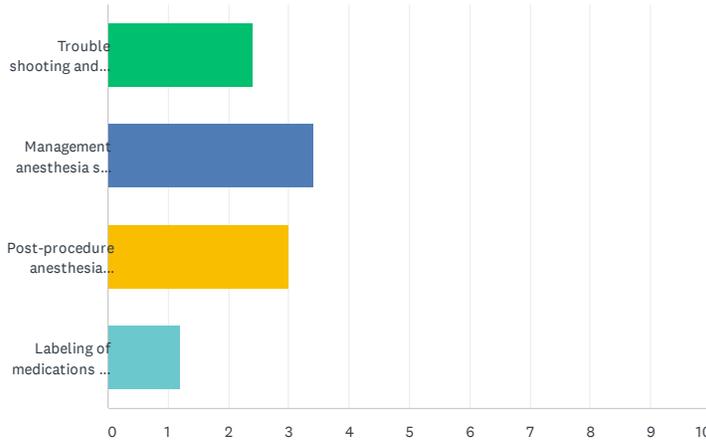
	1	2	3	4	TOTAL	SCORE
Trouble shooting and Managing Patient Controlled Analgesic (PCA) pumps	20.00% 1	20.00% 1	40.00% 2	20.00% 1	5	2.40
Management anesthesia side effects	60.00% 3	20.00% 1	20.00% 1	0.00% 0	5	3.40
Post-procedure anesthesia management	20.00% 1	60.00% 3	20.00% 1	0.00% 0	5	3.00
Labeling of medications on and off the sterile field	0.00% 0	0.00% 0	20.00% 1	80.00% 4	5	1.20

## Q12 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 10   Skipped: 187
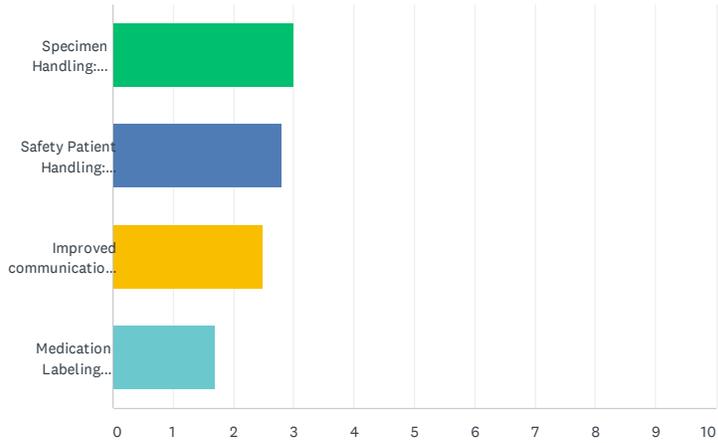
	1	2	3	4	TOTAL	SCORE
Specimen Handling: Reducing Specimen Errors	30.00% 3	50.00% 5	10.00% 1	10.00% 1	10	3.00
Safety Patient Handling: Transfer Devices	40.00% 4	20.00% 2	20.00% 2	20.00% 2	10	2.80
Improved communication among team members	20.00% 2	30.00% 3	30.00% 3	20.00% 2	10	2.50
Medication Labeling (on/off sterile field)	10.00% 1	0.00% 0	40.00% 4	50.00% 5	10	1.70

## Q13 Rank the following based on your perceived need for education 1 is the highest and 6 is the least need:

Answered: 5   Skipped: 192
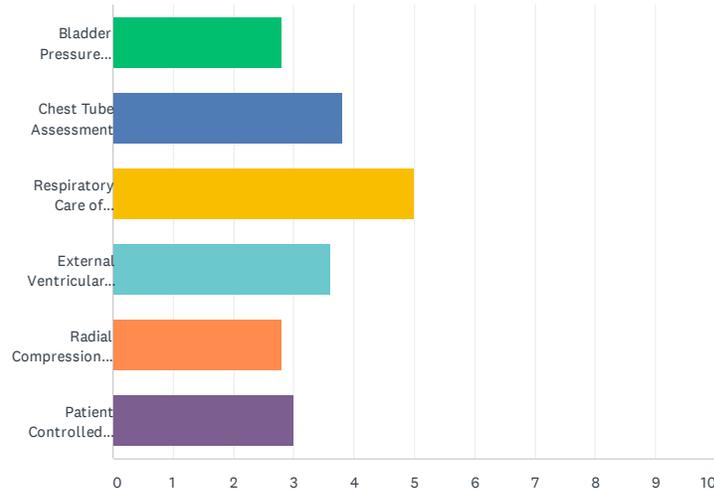
	1	2	3	4	5	6	TOTAL	SCORE
Bladder Pressure Monitoring	20.00% 1	0.00% 0	0.00% 0	20.00% 1	40.00% 2	20.00% 1	5	2.80
Chest Tube Assessment	0.00% 0	40.00% 2	40.00% 2	0.00% 0	0.00% 0	20.00% 1	5	3.80
Respiratory Care of Patients on Ventilators	40.00% 2	40.00% 2	0.00% 0	20.00% 1	0.00% 0	0.00% 0	5	5.00
External Ventricular Drains	0.00% 0	20.00% 1	40.00% 2	20.00% 1	20.00% 1	0.00% 0	5	3.60
Radial Compression Devices	0.00% 0	0.00% 0	20.00% 1	40.00% 2	40.00% 2	0.00% 0	5	2.80
Patient Controlled Regional Anesthesia (PCRA) set-up and documentation	40.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	60.00% 3	5	3.00

## Q14 Rank the following based on your perceived need for education 1 is the highest and 6 is the least need:

Answered: 6   Skipped: 191
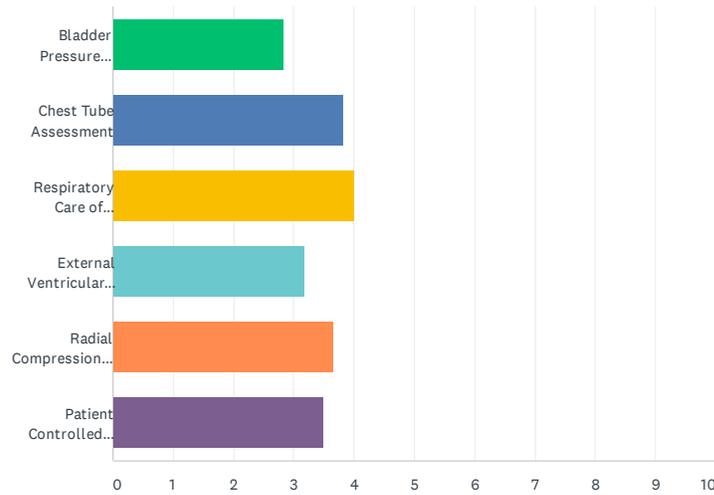
	1	2	3	4	5	6	TOTAL	SCORE
Bladder Pressure Monitoring	16.67% 1	0.00% 0	16.67% 1	0.00% 0	50.00% 3	16.67% 1	6	2.83
Chest Tube Assessment	0.00% 0	16.67% 1	50.00% 3	33.33% 2	0.00% 0	0.00% 0	6	3.83
Respiratory Care of Patients on Ventilators	16.67% 1	33.33% 2	0.00% 0	33.33% 2	16.67% 1	0.00% 0	6	4.00
External Ventricular Drains	0.00% 0	16.67% 1	33.33% 2	16.67% 1	16.67% 1	16.67% 1	6	3.17
Radial Compression Devices	33.33% 2	16.67% 1	0.00% 0	16.67% 1	0.00% 0	33.33% 2	6	3.67
Patient Controlled Regional Anesthesia (PCRA) set-up and documentation	33.33% 2	16.67% 1	0.00% 0	0.00% 0	16.67% 1	33.33% 2	6	3.50

## Q15 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 4   Skipped: 193
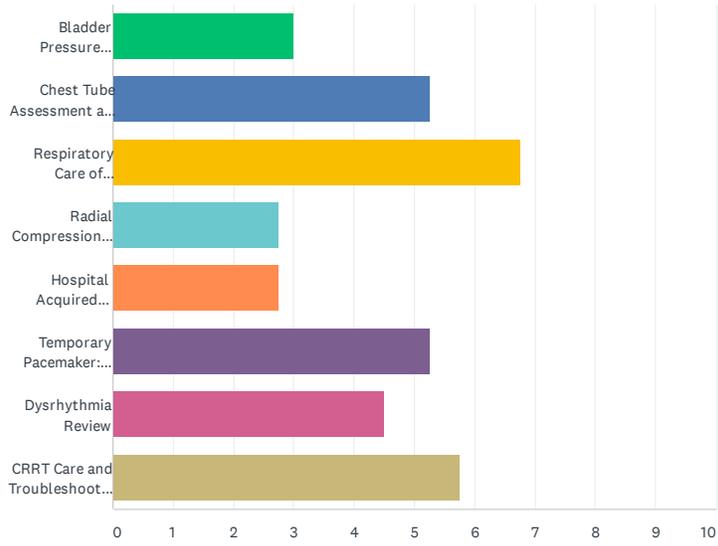
	1	2	3	4	5	6	7	8	TOTAL	SCORE
Bladder Pressure Monitoring	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	100.00% 4	0.00% 0	0.00% 0	4	3.00
Chest Tube Assessment and Care	0.00% 0	25.00% 1	25.00% 1	0.00% 0	50.00% 2	0.00% 0	0.00% 0	0.00% 0	4	5.25
Respiratory Care of Patients on Ventilators	50.00% 2	0.00% 0	25.00% 1	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4	6.75
Radial Compression Devices	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	50.00% 2	25.00% 1	4	2.75
Hospital Acquired Pressure Injury (HAPI)	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	50.00% 2	4	2.75
Temporary Pacemaker: Transvenous	0.00% 0	25.00% 1	0.00% 0	50.00% 2	25.00% 1	0.00% 0	0.00% 0	0.00% 0	4	5.25
Dysrhythmia Review	25.00% 1	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	25.00% 1	4	4.50
CRRT Care and Troubleshooting Strategies	25.00% 1	0.00% 0	25.00% 1	25.00% 1	25.00% 1	0.00% 0	0.00% 0	0.00% 0	4	5.75

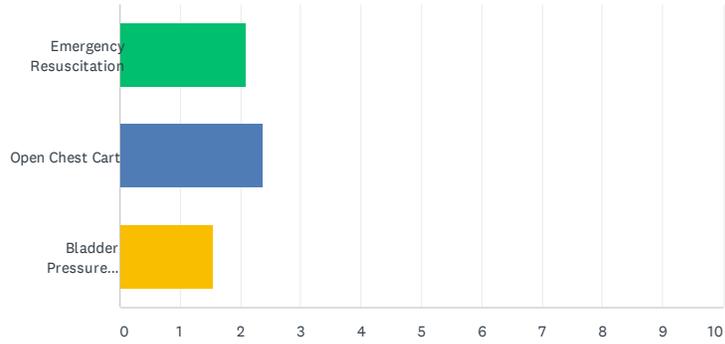## Q16 Rank the following based on your perceived need for education 1 is the highest and 8 is the least need:

Answered: 8   Skipped: 189
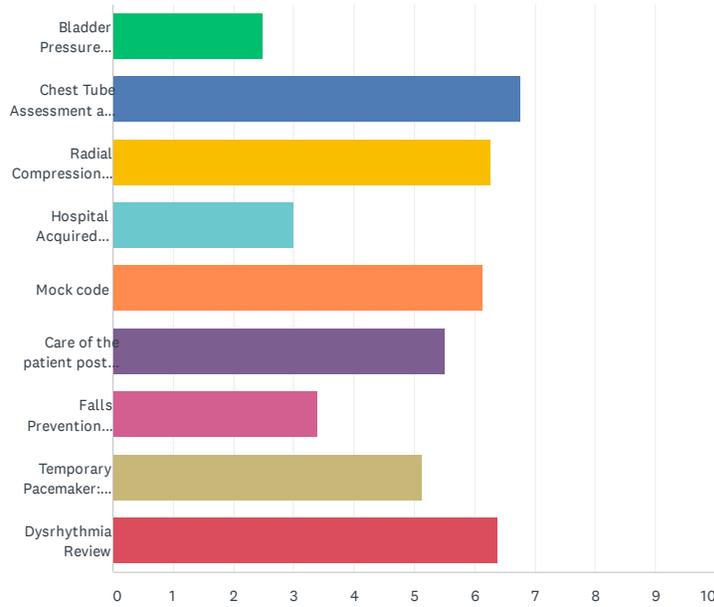
	1	2	3	4	5	6	7	8	9	TOTAL	SCORE
Bladder Pressure Monitoring	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	25.00% 2	12.50% 1	37.50% 3	8	2.50
Chest Tube Assessment and Care	25.00% 2	0.00% 0	37.50% 3	12.50% 1	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	8	6.75
Radial Compression Devices	0.00% 0	12.50% 1	25.00% 2	37.50% 3	25.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	6.25
Hospital Acquired Pressure Injury (HAPI)	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	37.50% 3	0.00% 0	37.50% 3	8	3.00
Mock code	25.00% 2	12.50% 1	12.50% 1	12.50% 1	0.00% 0	25.00% 2	0.00% 0	12.50% 1	0.00% 0	8	6.13
Care of the patient post TAVR	12.50% 1	37.50% 3	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	12.50% 1	12.50% 1	8	5.50
Falls Prevention Practices During Covid-19	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	37.50% 3	25.00% 2	12.50% 1	8	3.38
Temporary Pacemaker: Transvenous	12.50% 1	0.00% 0	0.00% 0	25.00% 2	25.00% 2	25.00% 2	0.00% 0	12.50% 1	0.00% 0	8	5.13
Dysrhythmia Review	25.00% 2	25.00% 2	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	8	6.38

## Q17 Rank the following based on your perceived need for education 1 is the highest and 3 is the least need:

Answered: 11   Skipped: 186

	1	2	3	TOTAL	SCORE
Emergency Resuscitation	36.36% 4	36.36% 4	27.27% 3	11	2.09
Open Chest Cart	45.45% 5	45.45% 5	9.09% 1	11	2.36
Bladder Pressure Monitoring	18.18% 2	18.18% 2	63.64% 7	11	1.55

## Q18 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 6   Skipped: 191
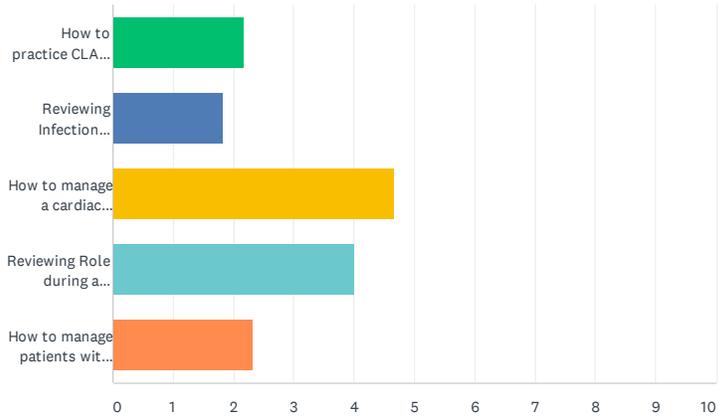
	1	2	3	4	5	TOTAL	SCORE
How to practice CLABSI prevention	16.67% 1	0.00% 0	0.00% 0	50.00% 3	33.33% 2	6	2.17
Reviewing Infection Control practice and principles	0.00% 0	0.00% 0	16.67% 1	50.00% 3	33.33% 2	6	1.83
How to manage a cardiac arrest	83.33% 5	0.00% 0	16.67% 1	0.00% 0	0.00% 0	6	4.67
Reviewing Role during a medical emergency	0.00% 0	100.00% 6	0.00% 0	0.00% 0	0.00% 0	6	4.00
How to manage patients with Chest tube	0.00% 0	0.00% 0	66.67% 4	0.00% 0	33.33% 2	6	2.33

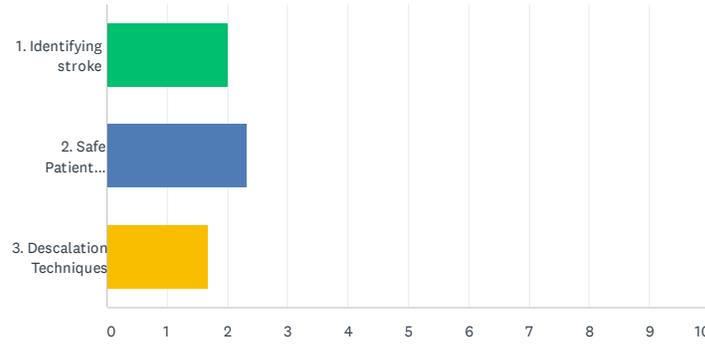## Q19 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 2   Skipped: 195
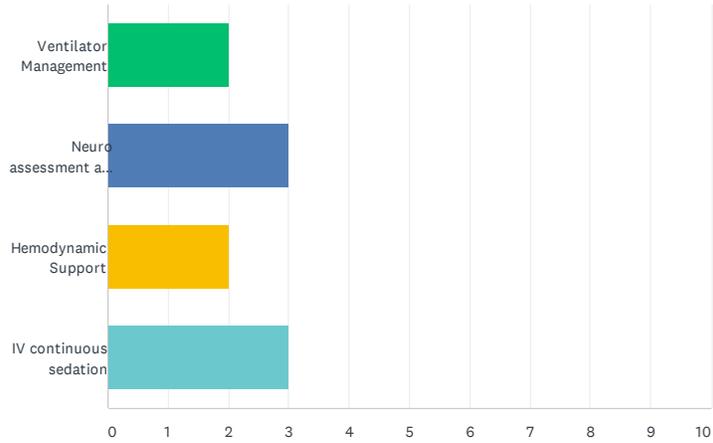
	1	2	3	4	TOTAL	SCORE
Ventilator Management	0.00% 0	50.00% 1	0.00% 0	50.00% 1	2	2.00
Neuro assessment and care of the patient during tPA infusion	50.00% 1	0.00% 0	50.00% 1	0.00% 0	2	3.00
Hemodynamic Support	0.00% 0	50.00% 1	0.00% 0	50.00% 1	2	2.00
IV continuous sedation	50.00% 1	0.00% 0	50.00% 1	0.00% 0	2	3.00

## Q20 Rank the following based on your perceived need for education 1 is the highest and 3 is the least need:

Answered: 3   Skipped: 194

	1	2	3	TOTAL	SCORE
1. Identifying stroke	33.33% 1	33.33% 1	33.33% 1	3	2.00
2. Safe Patient Handling: Transfer Devices	33.33% 1	66.67% 2	0.00% 0	3	2.33
3. Descalation Techniques	33.33% 1	0.00% 0	66.67% 2	3	1.67

## Q21 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 12   Skipped: 185
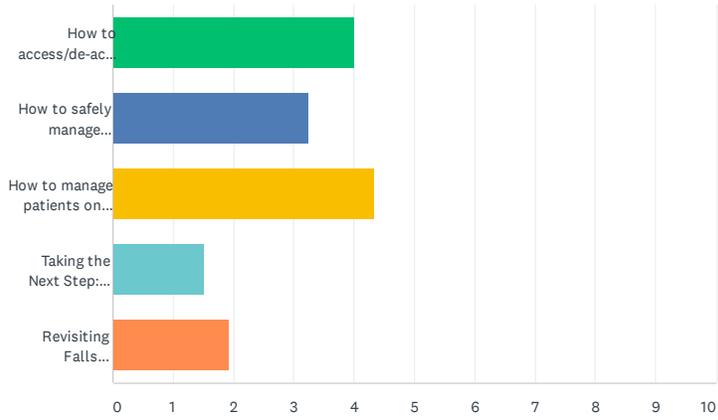
	1	2	3	4	5	TOTAL	SCORE
How to access/de-access porta-cath	50.00% 6	16.67% 2	16.67% 2	16.67% 2	0.00% 0	12	4.00
How to safely manage patients on opioids	8.33% 1	25.00% 3	50.00% 6	16.67% 2	0.00% 0	12	3.25
How to manage patients on respiratory distress	41.67% 5	50.00% 6	8.33% 1	0.00% 0	0.00% 0	12	4.33
Taking the Next Step: Early Mobilization Review	0.00% 0	0.00% 0	16.67% 2	16.67% 2	66.67% 8	12	1.50
Revisiting Falls Prevention Practices During Covid 19	0.00% 0	8.33% 1	8.33% 1	50.00% 6	33.33% 4	12	1.92

## Q22 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 21   Skipped: 176
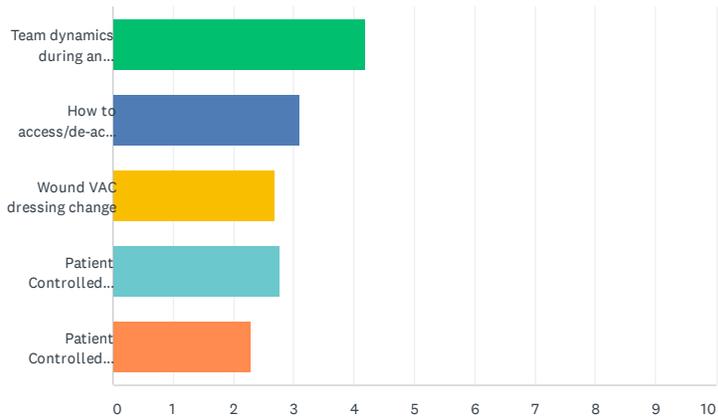
	1	2	3	4	5	TOTAL	SCORE
Team dynamics during an Arrest	61.90% 13	19.05% 4	4.76% 1	4.76% 1	9.52% 2	21	4.19
How to access/de-access porta-Cath	9.52% 2	33.33% 7	28.57% 6	14.29% 3	14.29% 3	21	3.10
Wound VAC dressing change	14.29% 3	19.05% 4	14.29% 3	23.81% 5	28.57% 6	21	2.67
Patient Controlled Regional Anesthesia (PCRA) set-up and documentation	14.29% 3	14.29% 3	19.05% 4	38.10% 8	14.29% 3	21	2.76
Patient Controlled Analgesia (PCA)	0.00% 0	14.29% 3	33.33% 7	19.05% 4	33.33% 7	21	2.29

## Q23 Rank the following based on your perceived need for education 1 is the highest and 4 is the least need:

Answered: 1   Skipped: 196
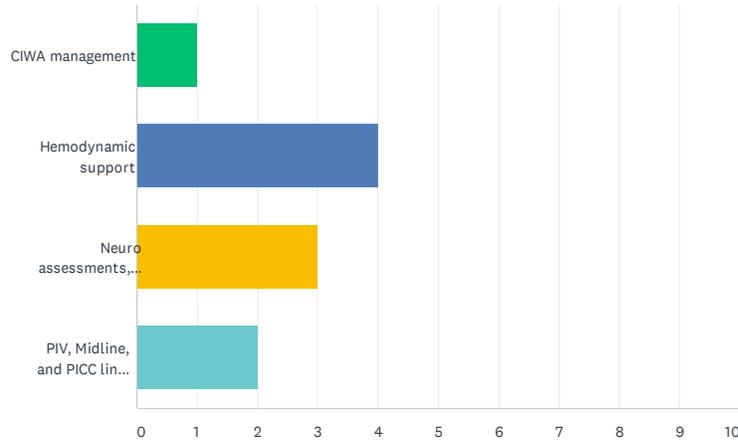
	1	2	3	4	TOTAL	SCORE
CIWA management	0.00% 0	0.00% 0	0.00% 0	100.00% 1	1	1.00
Hemodynamic support	100.00% 1	0.00% 0	0.00% 0	0.00% 0	1	4.00
Neuro assessments, care of the patient post stroke and TPA infusion	0.00% 0	100.00% 1	0.00% 0	0.00% 0	1	3.00
PIV, Midline, and PICC line maintenance and assessments	0.00% 0	0.00% 0	100.00% 1	0.00% 0	1	2.00

Q24 Rank the following based on your perceived need for education 1 is the highest and 16 is the least need:

Answered: 4   Skipped: 193
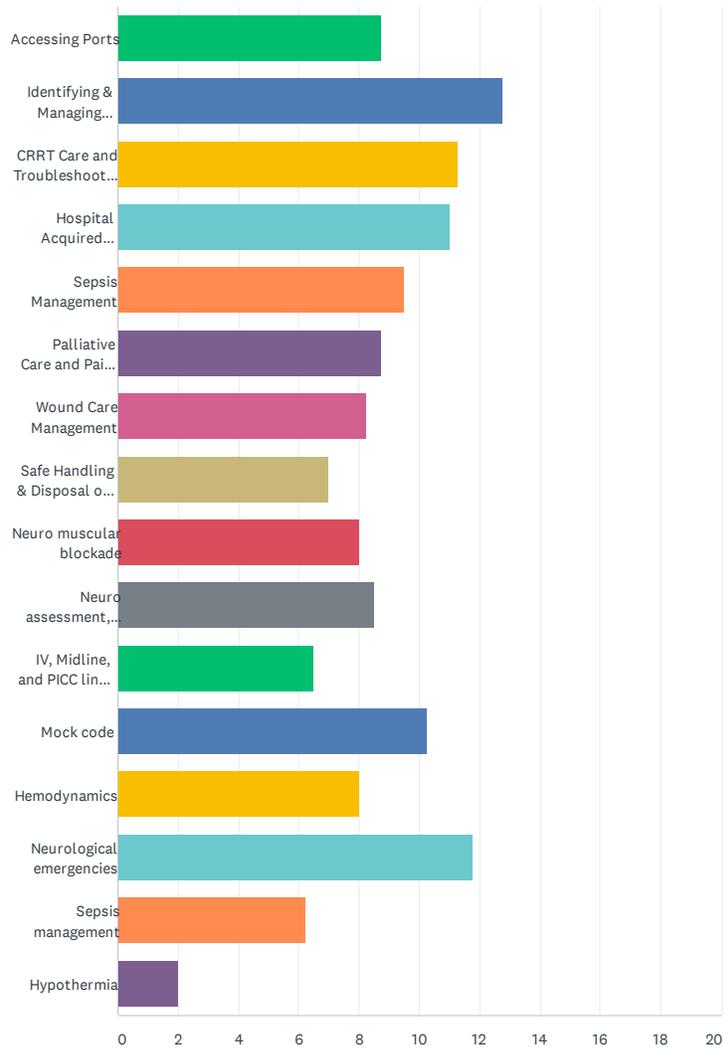
	1	2	3	4	5	6	7	8	9	10	11	12	13
Accessing Ports	25.00% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0
Identifying & Managing Strokes	25.00% 1	25.00% 1	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0
CRRT Care and Troubleshooting Strategies	0.00% 0	0.00% 0	25.00% 1	25.00% 1	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0
Hospital Acquired Pressure Injury (HAPI)	0.00% 0	0.00% 0	0.00% 0	33.33% 1	0.00% 0	0.00% 0	66.67% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Sepsis Management	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	50.00% 2	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0
Palliative Care and Pain Management	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	25
Wound Care Management	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	25.00% 1	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0
Safe Handling & Disposal of Antineoplastic/Chemotherapy	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Neuro muscular blockade	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	25.00% 1	25.00% 1	25.00% 1	0.00% 0	0
Neuro assessment, care of the patient post stroke	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	25.00% 1	0.00% 0	0.00% 0	25.00% 1	0.00% 0	25.00% 1	0
IV, Midline, and PICC line maintenance and assessments	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	50.00% 2	25.00% 1	0
Mock code	50.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	25
Hemodynamics	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25
Neurological emergencies	0.00% 0	50.00% 2	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Sepsis management	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0
Hypothermia	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25

## Q25 Rank the following based on your perceived need for education 1 is the highest and 8 is the least need:

Answered: 5   Skipped: 192
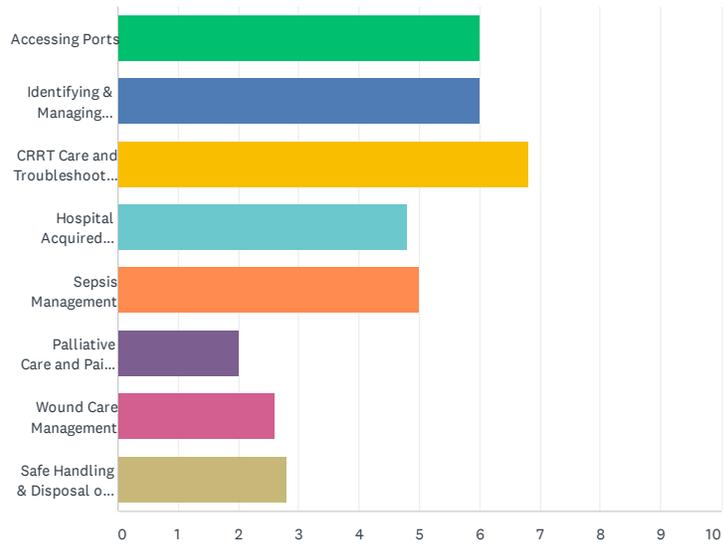
	1	2	3	4	5	6	7	8	TOTAL	SCORE
Accessing Ports	40.00% 2	20.00% 1	0.00% 0	20.00% 1	0.00% 0	0.00% 0	20.00% 1	0.00% 0	5	6.00
Identifying & Managing Strokes	20.00% 1	20.00% 1	20.00% 1	20.00% 1	20.00% 1	0.00% 0	0.00% 0	0.00% 0	5	6.00
CRRT Care and Troubleshooting Strategies	40.00% 2	20.00% 1	20.00% 1	20.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	5	6.80
Hospital Acquired Pressure Injury (HAPI)	0.00% 0	20.00% 1	20.00% 1	20.00% 1	20.00% 1	0.00% 0	20.00% 1	0.00% 0	5	4.80
Sepsis Management	0.00% 0	0.00% 0	40.00% 2	20.00% 1	40.00% 2	0.00% 0	0.00% 0	0.00% 0	5	5.00
Palliative Care and Pain Management	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	40.00% 2	20.00% 1	40.00% 2	5	2.00
Wound Care Management	0.00% 0	0.00% 0	0.00% 0	0.00% 0	20.00% 1	40.00% 2	20.00% 1	20.00% 1	5	2.60
Safe Handling & Disposal of Antineoplastic/Chemotherapy	0.00% 0	20.00% 1	0.00% 0	0.00% 0	0.00% 0	20.00% 1	20.00% 1	40.00% 2	5	2.80

## Q26 Rank the following based on your perceived need for education 1 is the highest and 9 is the least need:

Answered: 4   Skipped: 193
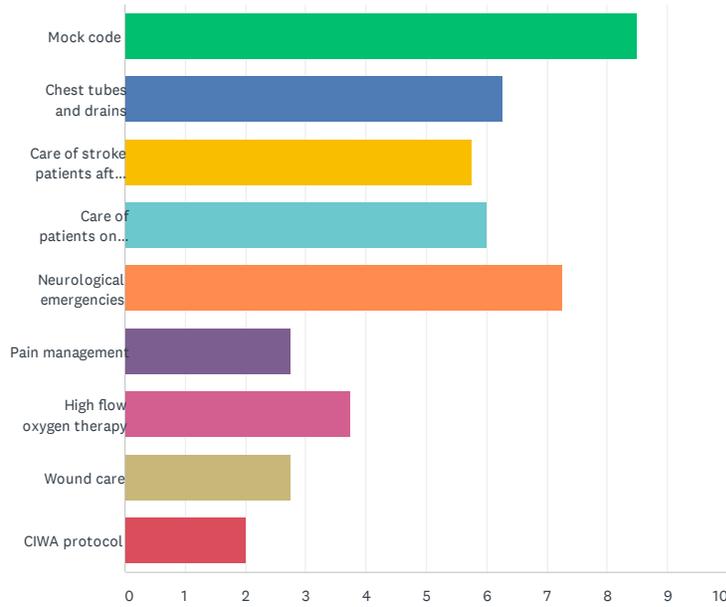
	1	2	3	4	5	6	7	8	9	TOTAL	SCORE
Mock code	75.00% 3	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4	8.50
Chest tubes and drains	0.00% 0	50.00% 2	0.00% 0	0.00% 0	25.00% 1	25.00% 1	0.00% 0	0.00% 0	0.00% 0	4	6.25
Care of stroke patients after IV TPA	0.00% 0	50.00% 2	0.00% 0	0.00% 0	0.00% 0	25.00% 1	25.00% 1	0.00% 0	0.00% 0	4	5.75
Care of patients on ventilator	0.00% 0	0.00% 0	25.00% 1	50.00% 2	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4	6.00
Neurological emergencies	25.00% 1	0.00% 0	50.00% 2	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4	7.25
Pain management	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	50.00% 2	0.00% 0	25.00% 1	4	2.75
High flow oxygen therapy	0.00% 0	0.00% 0	0.00% 0	0.00% 0	50.00% 2	0.00% 0	25.00% 1	25.00% 1	0.00% 0	4	3.75
Wound care	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	0.00% 0	0.00% 0	50.00% 2	25.00% 1	4	2.75
CIWA protocol	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 1	0.00% 0	25.00% 1	50.00% 2	4	2.00

Q27 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 7   Skipped: 190
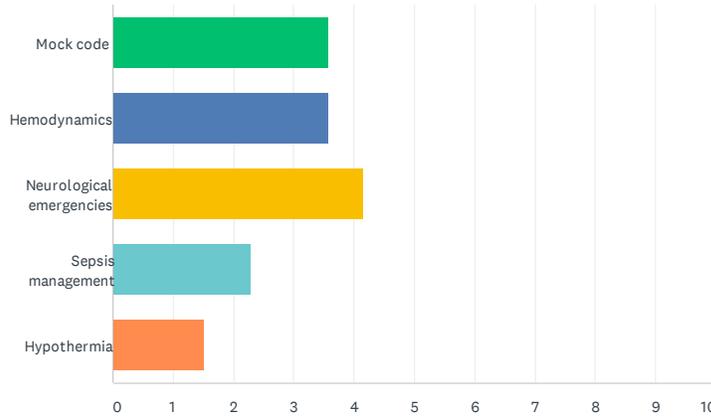
	1	2	3	4	5	TOTAL	SCORE
Mock code	14.29% 1	57.14% 4	14.29% 1	0.00% 0	14.29% 1	7	3.57
Hemodynamics	42.86% 3	14.29% 1	14.29% 1	14.29% 1	14.29% 1	7	3.57
Neurological emergencies	42.86% 3	28.57% 2	28.57% 2	0.00% 0	0.00% 0	7	4.14
Sepsis management	0.00% 0	0.00% 0	28.57% 2	71.43% 5	0.00% 0	7	2.29
Hypothermia	0.00% 0	0.00% 0	16.67% 1	16.67% 1	66.67% 4	6	1.50

Q28 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 11   Skipped: 186
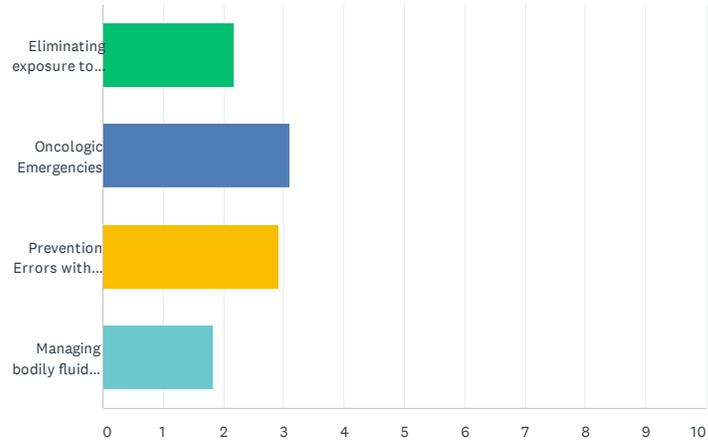
	1	2	3	4	TOTAL	SCORE
Eliminating exposure to hazardous drugs	9.09% 1	27.27% 3	36.36% 4	27.27% 3	11	2.18
Oncologic Emergencies	63.64% 7	9.09% 1	0.00% 0	27.27% 3	11	3.09
Prevention Errors with Chemo Administration	18.18% 2	54.55% 6	27.27% 3	0.00% 0	11	2.91
Managing bodily fluids of patients receiving chemotherapy	9.09% 1	9.09% 1	36.36% 4	45.45% 5	11	1.82

Q29 Rank the following based on your perceived need for education 1 is the highest and 6 is the least need:

Answered: 27   Skipped: 170
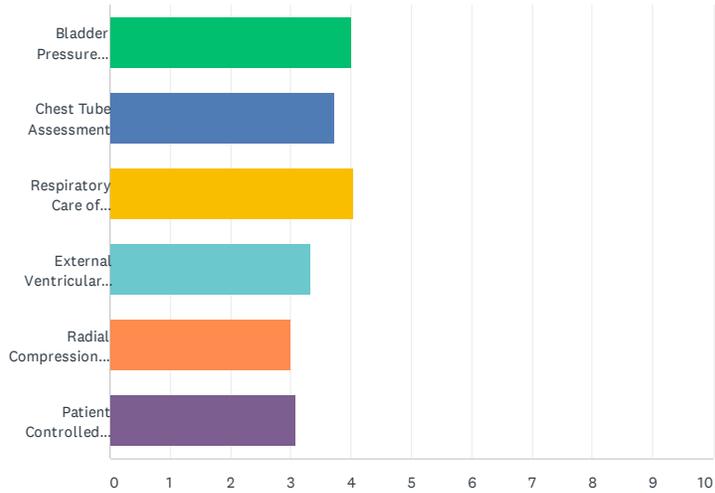
	1	2	3	4	5	6	TOTAL	SCORE
Bladder Pressure Monitoring	26.92% 7	19.23% 5	15.38% 4	15.38% 4	11.54% 3	11.54% 3	26	4.00
Chest Tube Assessment	8.00% 2	28.00% 7	24.00% 6	16.00% 4	16.00% 4	8.00% 2	25	3.72
Respiratory Care of Patients on Ventilators	34.62% 9	15.38% 4	11.54% 3	11.54% 3	11.54% 3	15.38% 4	26	4.04
External Ventricular Drains	12.00% 3	16.00% 4	20.00% 5	12.00% 3	24.00% 6	16.00% 4	25	3.32
Radial Compression Devices	8.00% 2	0.00% 0	16.00% 4	40.00% 10	32.00% 8	4.00% 1	25	3.00
Patient Controlled Regional Anesthesia (PCRA) set-up and documentation	16.00% 4	20.00% 5	12.00% 3	4.00% 1	4.00% 1	44.00% 11	25	3.08

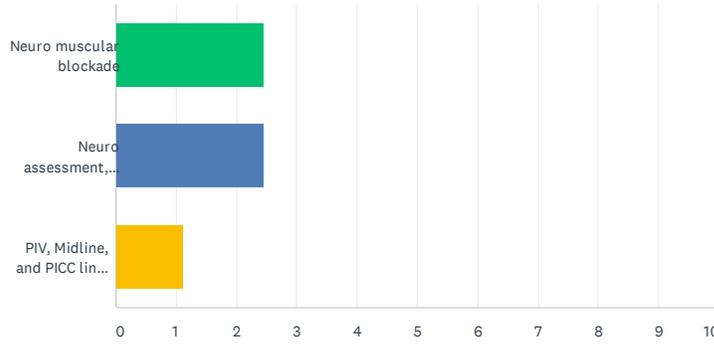## Q30 Rank the following based on your perceived need for education 1 is the highest and 3 is the least need:

Answered: 0   Skipped: 197

⚠ No matching responses.

	1	2	3	TOTAL	SCORE
Neuro muscular blockade	0.00% 0	0.00% 0	0.00% 0	0	0.00
Neuro assessment, care of the patient post stroke	0.00% 0	0.00% 0	0.00% 0	0	0.00
PIV, Midline, and PICC line maintenance and assessments	0.00% 0	0.00% 0	0.00% 0	0	0.00

Q31 Rank the following based on your perceived need for education 1 is the highest and 3 is the least need:
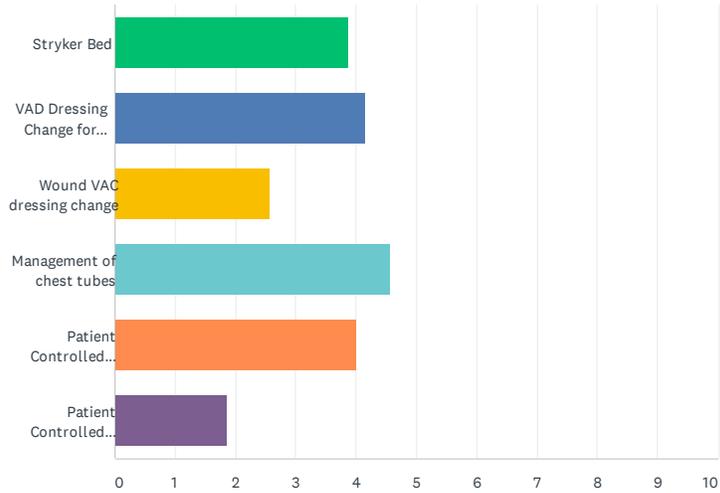
Answered: 9   Skipped: 188

	1	2	3	TOTAL	SCORE
Neuro muscular blockade	55.56% 5	33.33% 3	11.11% 1	9	2.44
Neuro assessment, care of the patient post stroke	44.44% 4	55.56% 5	0.00% 0	9	2.44
PIV, Midline, and PICC line maintenance and assessments	0.00% 0	11.11% 1	88.89% 8	9	1.11

Q32 Rank the following based on your perceived need for education 1 is the highest and 6 is the least need:

Answered: 7   Skipped: 190

	1	2	3	4	5	6	TOTAL	SCORE
Stryker Bed	0.00% 0	42.86% 3	28.57% 2	14.29% 1	0.00% 0	14.29% 1	7	3.86
VAD Dressing Change for Patients who have CHG/hydrofoil/Tegaderm Allergy	42.86% 3	0.00% 0	28.57% 2	0.00% 0	14.29% 1	14.29% 1	7	4.14
Wound VAC dressing change	0.00% 0	14.29% 1	0.00% 0	42.86% 3	14.29% 1	28.57% 2	7	2.57
Management of chest tubes	42.86% 3	0.00% 0	42.86% 3	0.00% 0	14.29% 1	0.00% 0	7	4.57
Patient Controlled Regional Anesthesia (PCRA) set-up and documentation	14.29% 1	42.86% 3	0.00% 0	14.29% 1	28.57% 2	0.00% 0	7	4.00
Patient Controlled Analgesia (PCA)	0.00% 0	0.00% 0	0.00% 0	28.57% 2	28.57% 2	42.86% 3	7	1.86

Q33 Rank the following based on your perceived need for education 1 is the highest and 5 is the least need:

Answered: 4   Skipped: 193
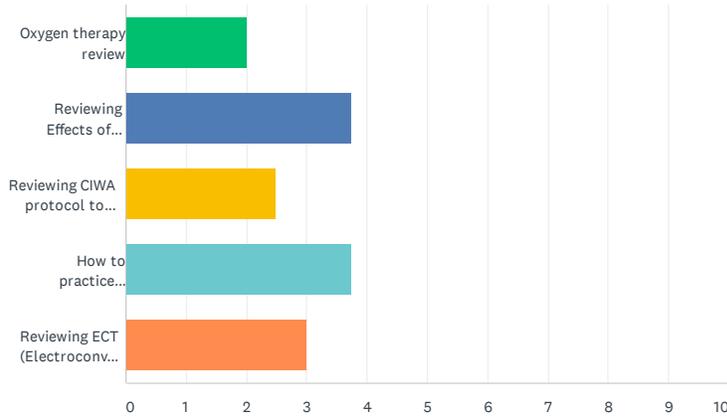
	1	2	3	4	5	TOTAL	SCORE
Oxygen therapy review	0.00% 0	25.00% 1	0.00% 0	25.00% 1	50.00% 2	4	2.00
Reviewing Effects of Psychotropic Medications on Patient Fall	25.00% 1	50.00% 2	0.00% 0	25.00% 1	0.00% 0	4	3.75
Reviewing CIWA protocol to patients with mental illness	0.00% 0	25.00% 1	25.00% 1	25.00% 1	25.00% 1	4	2.50
How to practice Suicide prevention	50.00% 2	0.00% 0	25.00% 1	25.00% 1	0.00% 0	4	3.75
Reviewing ECT (Electroconvulsive therapy) evidence based practice updates	25.00% 1	0.00% 0	50.00% 2	0.00% 0	25.00% 1	4	3.00

7HS CLABSI PREVENTION IMPLEMENTATION PLAN

Title of Activity: Implanted Port Access Refresher for Central Line Associated Bloodstream Infection (CLABSI) Prevention

Plan Created by Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN in March 2021

Identified Gap(s): Nurses need a review on implanted port access, de-access and CLABSI prevention measures in accordance with NYP Policies and Procedures.

Format: Nurse Educator In-service Thursday Series in 7HS

Description of Desired/Achievable State: After attending the refresher session, the learners will be able to describe and demonstrate the correct steps of port access, de-access and CLABSI prevention, based on NYP's policies and procedures (PROC 722).

Gap to be Addressed by this Activity: ___X___Knowledge ___X___Skills ___X___Practice _____Other

Purpose: To enhance the nurses' knowledge and skills on implanted port access, de-access and CLABSI prevention.

OBJECTIVES	CONTENT (TOPICS)	TIME FRAME	TEACHING METHODS	IMPLEMENTATION DATE & EDUCATOR
List learner's objectives in behavioral terms. (Each objective needs at least one measurable action verb).	**Provide an outline of the content for each objective. It must be more than a restatement of the objective.**	**State the time frame for each objective.**	**Describe the teaching methods, strategies, materials & resources for each objective**	**List the Educator for each objective**
Describe the elements of CLABSI prevention.	• RN's responsibilities in the care and maintenance of patients with central line. • Evidence- based practices to prevent CLABSI.	15 minutes	**Teaching Methods/Strategies:** • Interactive discussion, question and answer **Resources:** IMPLANTED PORT OR IMPLANTED VENOUS ACCESS PORTS (PROC 722)	• April 2021 • Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN
Demonstrate the appropriate steps for implanted port access, CLABSI prevention & de-access	• Steps in accessing implanted ports. • Application and removal of central line dressing per NYP Policy. • Central line intravenous	15 minutes	**Teaching Methods/Strategies:** • Demonstration/return demonstration **Resources:**	• April 2021 • Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN

| | medication administration through an implanted port as per PROC 722.
• Central line (i.e., implanted port) blood specimen collection as per NYP Policy
• Steps in de-accessing an implanted port. | | IMPLANTED PORT OR IMPLANTED VENOUS ACCESS PORTS (PROC 722) | |

Title of Activity: Blood Culture Collection

Plan Created by Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN in March 2021

Identified Gap(s): 7HS nurses need a skill refresher on blood culture specimen collection.

Format: Nurse Educator In-service Thursday Series in 7HS and Oncology Skills Day

Description of Desired/Achievable State: After attending the session, the learners will be able to demonstrate appropriate steps in blood culture specimen collection as per NYP policy (PROC 728).

Gap to be Addressed by this Activity: ___X___Knowledge ___X___Skills ___X___Practice _____Other

Purpose: To enhance the nurses' knowledge and skills on blood culture specimen collection.

OBJECTIVES	CONTENT (TOPICS)	TIME FRAME	TEACHING METHODS	IMPLEMENTATION DATE & EDUCATOR
List learner's objectives in behavioral terms. (Each objective needs at least one measurable action verb).	Provide an outline of the content for each objective. It must be more than a restatement of the objective.	State the time frame for each objective.	Describe the teaching methods, strategies, materials & resources for each objective	List the Educator for each objective
Describe nursing responsibilities in performing a blood culture specimen collection.	• Nurses' responsibilities in blood culture specimen collection from a peripheral and vascular	10 minutes	**Teaching Methods/Strategies:** • Interactive discussion, question and answer **Resources:**	• May 2021 • Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN

	access device as per NYP policy (PROC 728).		SPECIMEN COLLECTION- BLOOD AND BLOOD CULTURES (PROC 728)	
Demonstrate the appropriate steps for drawing blood cultures from peripheral and vascular access device.	• Peripheral blood culture specimen collection procedure. • Vascular access device blood culture specimen collection procedure.	15 minutes	**Teaching Methods/Strategies:** • Demonstration/return demonstration **Resources:** SPECIMEN COLLECTION- BLOOD AND BLOOD CULTURES (PROC 728)	• May 2021 • Brenda Goode-Marshall, MSN, RN, FNP-BC, OCN