



4	Day	12	1	0	0	0	3.00	0.00	0.00	0.00	6.00
	Night	12	1	0	0	0	3.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
5	Day	12	1	0	0	0	2.40	0.00	0.00	0.00	4.80
	Night	12	1	0	0	0	2.40	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
6	Day	12	2	0	0	0	4.00	0.00	0.00	0.00	8.00
	Night	12	2	0	0	0	4.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
7	Day	12	2	0	0	0	3.43	0.00	0.00	0.00	6.86
	Night	12	2	0	0	0	3.43	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
8	Day	12	2	0	0	0	3.00	0.00	0.00	0.00	6.00
	Night	12	2	0	0	0	3.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
9	Day	12	2	0	0	0	2.67	0.00	0.00	0.00	
	Night	12	2	0	0	0	2.67	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	

		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	5.33
10	Day	12	2	0	0	0	2.40	0.00	0.00	0.00	
	Night	12	2	0	0	0	2.40	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	4.80
11	Day	12	3	0	1	0	3.27	0.00	1.09	0.00	
	Night	12	3	0	1	0	3.27	0.00	1.09	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	8.73
12	Day	12	3	0	1	0	3.00	0.00	1.00	0.00	
	Night	12	3	0	1	0	3.00	0.00	1.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	8.00
13	Day	12	3	0	1	0	2.77	0.00	0.92	0.00	
	Night	12	3	0	1	0	2.77	0.00	0.92	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	7.38
14	Day	12	3	0	2	0	2.57	0.00	1.71	0.00	
	Night	12	3	0	2	0	2.57	0.00	1.71	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	8.57
	Day	12	3	0	2	0	2.40	0.00	1.60	0.00	
	Night	12	3	0	2	0	2.40	0.00	1.60	0.00	



		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	7.20
21	Day	12	5	0	2	0	2.86	0.00	1.14	0.00	8.00
	Night	12	5	0	2	0	2.86	0.00	1.14	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
22	Day	12	5	0	3	0	2.73	0.00	1.64	0.00	8.73
	Night	12	5	0	3	0	2.73	0.00	1.64	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
23	Day	12	5	0	3	0	2.61	0.00	1.57	0.00	8.35
	Night	12	5	0	3	0	2.61	0.00	1.57	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
24	Day	12	5	0	3	0	2.50	0.00	1.50	0.00	8.00
	Night	12	5	0	3	0	2.50	0.00	1.50	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
25	Day	12	5	0	3	0	2.40	0.00	1.44	0.00	7.68
	Night	12	5	0	3	0	2.40	0.00	1.44	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
	Day	12	6	0	3	0	2.77	0.00	1.38	0.00	
	Night	12	6	0	3	0	2.77	0.00	1.38	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	



32	Day	12	7	0	4	0	2.63	0.00	1.50	0.00	8.25
	Night	12	7	0	4	0	2.63	0.00	1.50	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
33	Day	12	7	0	4	0	2.55	0.00	1.45	0.00	8.00
	Night	12	7	0	4	0	2.55	0.00	1.45	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
34	Day	12	7	0	4	0	2.47	0.00	1.41	0.00	7.76
	Night	12	7	0	4	0	2.47	0.00	1.41	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
35	Day	12	7	0	4	0	2.40	0.00	1.37	0.00	7.54
	Night	12	7	0	4	0	2.40	0.00	1.37	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
36	Day	12	8	0	4	0	2.67	0.00	1.33	0.00	8.50
	Night	12	8	0	4	0	3.00	0.00	1.50	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
37	Day	12	8	0	4	0	2.59	0.00	1.30	0.00	
	Night	12	8	0	4	0	2.59	0.00	1.30	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	
		0	0	0	0	0	0.00	0.00	0.00	0.00	





Skill mix

Description:

RNs on Medical Oncology have Medical Surgical knowledge and skills; Chemo and Biotherapy certification for chemotherapy infusions and for caring for the medical oncology patient; Deescalation training and knowledge base for caring for behavioral health patients; Cardiac Rythm Interpretation assessment skill set and knowledge (currently in progress) for caring for medical patients who are on cardiac monitoring

Level of experience of nursing and patient care staff

Description:

The RNs on medical oncology are currently going through extensive training in cardiac rhythm interpretation in order to better serve the telemetry patient population. We expect to see an increase in acuity that follows the concentration of telemetry patients. By adding another nurse to the matrix, the overall stress on the unit's resources and staff are eased. This allows for a safer more efficient transition as the current RNs acquire the skills needed for medical telemetry nursing.

Need for specialized or intensive equipment

Description:

Increased training and specialization into medical telemetry nursing in addition to oncology nursing. Current studies indicate that an increase in patient to nurse ratio equates to a 16% increase in mortality rate for patients. Patient's length of stay by at least a day was increased by 5% for every additional patient added to a nurse's assignment. With medical oncology's transition to a medical telemetry floor the increased workload and acuity can be offset with lowering the amount of patients each nurse has. By staffing at a majority 4:1 ratio the hospital would be able to decrease adverse events and decrease LOS while allowing the RNs on medical oncology to adapt to the new work flow. See <https://bmjopen.bmj.com/content/11/12/e052899> for more details.

Architecture and geography of the unit such as placement of patient rooms, treatment areas, nursing stations, medication preparation areas, and equipment

Description:

A CNA is used in the room 619 and acts as a constant observer for the four patients in the room. As a direct result we pull this additional CNA from the 1:1 hours instead of the matrix hours.

Other

Description:

HUCs are integral to medical oncology running smoothly. Their administrative tasks include assigning phones to nurses, printing daily assignments, ensuring patient labels are available, updating patient medication bins to avoid medication errors, ensuring hallways remain clear and in compliance with safety guidelines, distributing and collecting PtCA checklists, tracking and following up on status of CHG baths and foley care, arranging for transportation throughout the hospital for patients going to procedures, ensuring that the medical oncology scheduler receives daily assignment. With the transition to a medical telemetry unit HUCs receive the additional task of distributing telemetry strips to RNs and ensuring said RN has interpreted the patient's cardiac rhythm and placed tele strip in patient's chart. HUCs are currently scheduled for 12 hour shifts allowing the HUC to complete administrative tasks for NOC shift while only being scheduled during days

complete administrative tasks for NOC shift while only being scheduled during days.