

Background

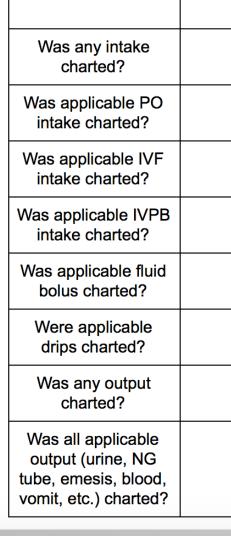
- Intake and Output (I&O) is an essential indicator of fluid balance in congestive heart failure patients to help guide diuretic therapy.
- Often times there are missed opportunities to accurately document intake and output in the hospital setting and numbers charted don't accurately reflect real totals.
- By providing a simple, bedside visual total sheet, previous studies have demonstrated an increase in documentation compliance of accurate I&O totals.

Practice Change

Increase documentation compliance of intake and output by RNs and NTs in the electronic chart for patients with a diagnosis of CHF.

Methods

- Administered paper pre-surveys to RNs and NTs.
- Presented shift total sheet and reference pictures to RNs and NTs during February team huddles.
- Post-surveys were administered directly to RNs and NTs after the I&O sheet implementation.



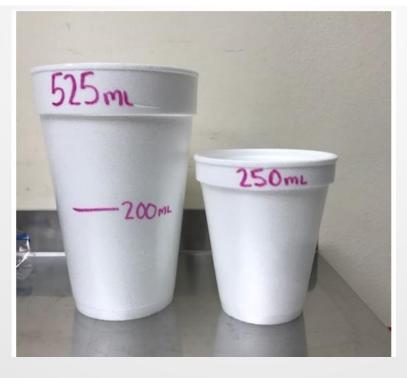
Does Documenting Intake and Output on a Sheet at the Bedside of Congestive Heart Failure Patients on a Cardiac Telemetry Floor Lead to Better Compliance of Documenting Intake and Output in the **Electronic Chart?**

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Measures and Results

Bedside I&O Shift Total Sheet with References

	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Intake													
Output													
Total													



Results

Pre Reference Sh	eet Implementation			Post Reference Sheet Implementation						
Yes	No	N/A		Yes	No	N/A				
77%	23%		Was any intake charted?	92%	8%					
55%	45%		Was applicable PO intake charted?	54%	46%					
55%	22%	23%	Was applicable IVF intake charted?	54%	31%	15%				
22%	11%	67%	Was applicable IVPB intake charted?	31%	46%	23%				
11%	22%	67%	Was applicable fluid bolus charted?	54%	23%	23%				
55%	22%	23%	Were applicable drips charted?	54%	15%	31%				
88%	12%		Was any output charted?	92%	8%					
66%	34%		Was all applicable output (urine, NG tube, emesis, blood, vomit, etc.) charted?	69%	31%					

http://journalarticle.ukm.my/3549/1/special%2520issue%25202011_22.pdf



Summary/Discussion

- This project was a first step in increasing documentation compliance of I&Os, things that can be done in the future include:
 - Implement the tool with CHF patients.
 - Follow and track use of shift total sheet with I&O documentation compliance.
 - Evaluate compliance of shift total sheet use by staff and patients.
- Some feedback we heard during our education for the staff was:
 - "This is very convenient to have at the bedside, my patient even filled it in himself."
 - "The picture references on the back have helped with questions everyone has about how much we really should be documenting on patients."
 - "This should be laminated and left at the bedside permanently."

Conclusion

- Documentation compliance of I&Os of CHF patients can be increased by implementing tools, such as a shift total sheet, for patients and staff to use.
- Nursing staff felt that a laminated bedside I&O shift total sheet would be very beneficial and easy to use, in order to increase compliance.