

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.

Measures and Results

Bedside I&O Shift Total Sheet with References

ROOM:	Fluid Restriction (if applicable):												
	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800
Intake													
Output													
Total													



Results

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

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.

References