

## Improving Stroke Education Compliance

Arianna Guerino BSN RN  
*Lehigh Valley Health Network, Arianna.Guerino@lvhn.org*

Barbara Jane M. Wicker BSN RN  
*Lehigh Valley Health Network, BarbaraJane.Wicker@lvhn.org*

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# Improving Stroke Education Compliance

Arianna Guerino, BSN RN and Barbara Jane Wicker, BSN RN  
7A Neuroscience Unit

Lehigh Valley Health Network, Allentown, Pennsylvania

## BACKGROUND

- Data regarding HCAHPS and 7ANS education fall outs
- Previous audits from the stroke center
  - Joint Commission requirement for Comprehensive Stroke Center
- Lack of time for nurses to print and distribute individualized educational resources for patients
  - DOACs, hemorrhagic strokes, ischemic strokes
  - Leads to inadequate education for patients with stroke diagnosis prior to discharge

## PICO

PICO Question – Will revising the stroke education bundle for 7ANS, compared to current state, improve compliance of providing patients with required stroke education prior to discharge?

- **P** RNs providing education to patients with a stroke diagnosis
- **I** New education bundle providing premade red folders that include individualized stroke education materials
- **C** No education bundle
- **O** Increase overall compliance of RNs providing necessary stroke and DOAC education to patients with stroke diagnosis prior to discharge

## EVIDENCE

- Cumulative chart reviews showed using care bundles for treatment has decreased inpatient mortality from 89.6% (2006-7) to 71.1% (2007-8) (Robb et al, 2010).
- PICO Question – Will revising the stroke education bundle for 7ANS, compared to current state, improve compliance of providing patients with required stroke education prior to discharge?
- Before the implementation of the red folders, only 81.5% of the patients could recall receiving the stroke education. After the first month of using the red folders, 96.8% of the patients clearly recalled stroke education (Wolber et al, 2018).

## March 2018 to February 2019 Discharges from 7ANSU

Discharged Month	Total	Fallouts	# Compliant	% Compliance
March	26	2	24	92%
April	24	0	24	100%
May	22	2	20	91%
June	23	0	23	100%
July	26	0	26	100%
August	34	1	33	97%
September	27	0	27	100%
October	19	0	19	100%
November	27	1	26	98%
December	26	3	23	88%
January	33	2	31	94%
February	22	0	22	100%
Grand Total	309	11	298	96%

## OUTCOMES

- Increase in percentage of education compliance
  - Measured by stroke center audits

Discharged Month	Total	Fallouts	# Compliant	% Compliance
July	9	0	9	100%
August				

- Will follow up with data from Stroke Center for the months of August, September, and October

Special acknowledgment to Kimberly Hamilton, BA. Clinical Quality Specialist, Comprehensive Stroke Center for assistance with data extrapolation

## IMPLEMENTATION

- Collaborated with director and PCS to identify issue
- Researched strategies to increase education compliance
- In April, met with Director of Medical Operations – Neuroscience Service Line to retrieve data on education fallouts
- In May, developed the education and materials necessary for new bundle and ordering supplies
  - Identifying handouts to put in red folder
  - Creating TLC education for RNs
  - Creating checklist to remind RNs
- Implemented education via TLC in June
- Collaborated with AP to create folder bundles for nursing station
- Go live in July

## NEXT STEPS

- Gather data from the stroke center in the next 3-6 months
- Compare percentage of patient education with use of red folder bundle compared to audits prior to implementation
- Continue using new bundle, or re-educate staff based on audit data

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