

Early Results

NC Stroke Advisory Council Meeting Tuesday, May 23, 2017

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Million Hearts: Preventing Heart Attacks and Strokes

- Cardiovascular prevention works in two realms: the clinic and the community.
- Clinical and community interventions each contributed about equally to the 50% reduction in U.S. mortality due to heart attacks between 1980 and 2000.



Perspective



The "Million Hearts" Initiative — Preventing Heart Attacks and Strokes

Agenda

COMPASS Study

Participant flow



Early results of 342 participants

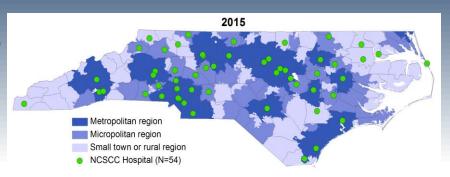


COMPASS Study Objectives

- Address the needs of stroke survivors and their caregivers
- Connect hospitals, community providers, and agencies
- Develop individualized eCare Plan for each patient



Why Post-Acute?



- ~ Half of stroke patients in NC are discharged directly home
- ~ 44% cannot walk independently

Rosamond NC Med J 2012



Why Post-acute?

Patients discharged home struggle:



25% readmitted within 90 days

66% readmitted within 1 year



Agenda

COMPASS Study

Participant flow



Early results of 342 participants



Patient experience with COMPASS

Study recruitment







PAC





2 day call

New symptoms?
F/u with PCP?

S/S of stroke

Connected to services?

Transportation?





7-14 day visit: Assess and Plan

- F/u with PCP
- Medications
- Engagement with therapists
- Access to other community resources



PAC

- Examine
- Review
- Inform







COMPASS

APP

APP Visit

- Cardiac monitoring
- Discuss recovery
- F/u care PCP, other providers, back to work, driving, other needs/resources
- Generate eCare Plan







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Agenda

COMPASS study

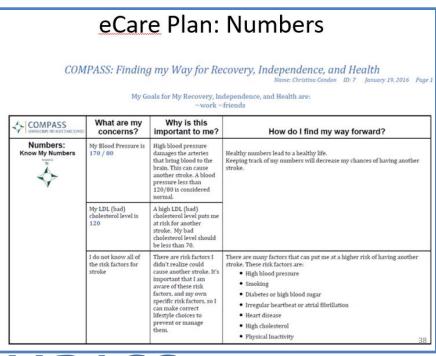
Participant flow

Early results of 342 participants



Data Source:

- Post-Acute Functional Assessment
- Advanced Practice Provider Assessment





Risk Factor Recognition

Among 342 stroke survivors who are discharged to home and seen by the PAC/APP team.....



All Participants:

NOT noting specific risk factors for stroke

125 (36.5%) did **NOT** note High Blood Pressure as a risk factor for stroke

247 (72 %) did not note.....smoking......

271 (79 %) did not note.....diabetes.....

159 (57%) did not note.....high cholesterol...



All Participants:

NOT noting specific risk factors for stroke

320 (94%) did not note.....atrial fibrillation...

304 (89%) did not note.....heart disease......

288 (84%) did not note a lack of physical activity



Among those with the conditions or condition surrogates, "n" (%) that did note such risk factors....

Among ...116 subjects with a SBP of ≥ 140, 79 (68%) recognized...HTN as a risk factor

Among 58 that smoked, 39 (67%) recognized....smoking as a risk factor....

Among 28 with a HbA1c of >8%,

18 (64%)....recognized DM as a risk factor......

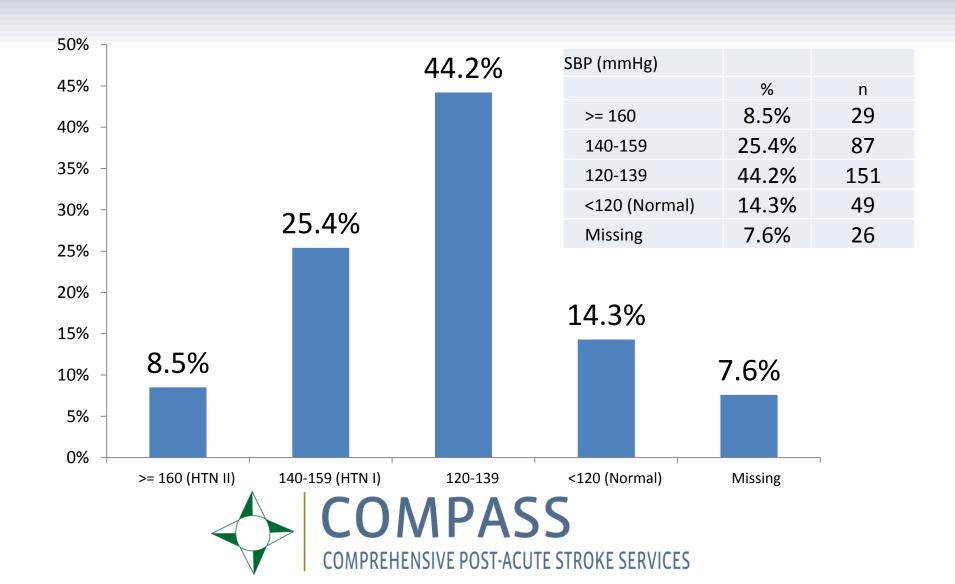


Condition specific:

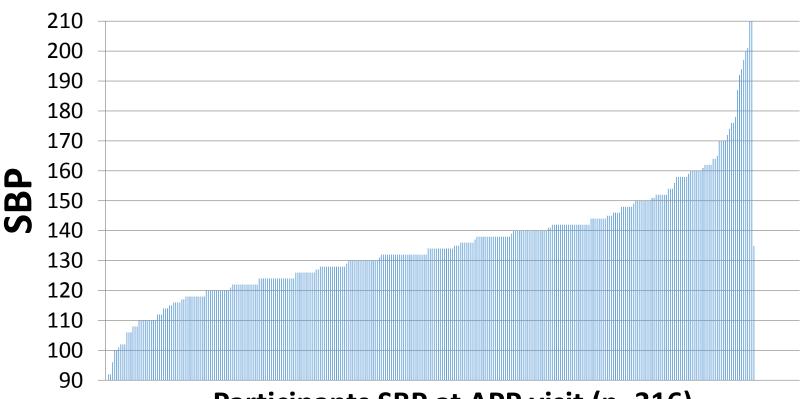
- Among 38 with a Hx. of atrial fibrillation/flutter, 11 (29%) recognized it as a risk factor.....
- Among 89 with a Hx. of heart disease*, 16 (18%) recognized it as a risk factor......
- 109 with an LDL of > 100 mg/dl, 61 (56%) recognized high cholesterol......
- 144 with ≤ 20 minutes of physical activity/day, 20 (14%) recognized **physical inactivity**......



SBP Data at APP Visit



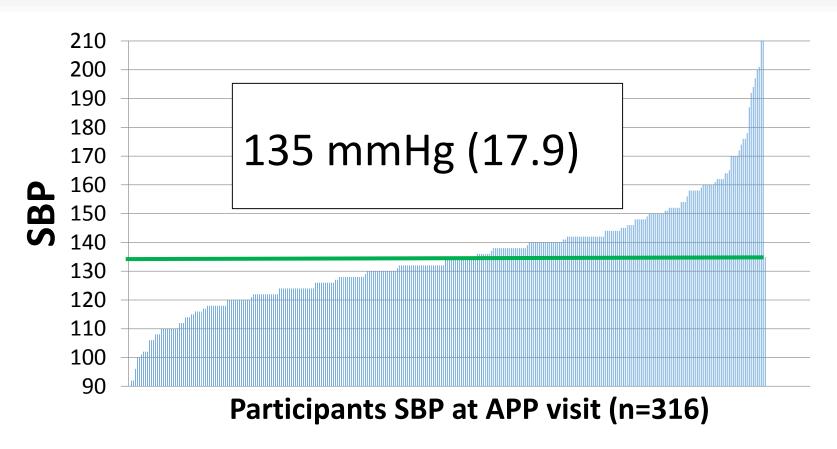
Frequency Distribution SBPs at APP Visit (n=316/342)





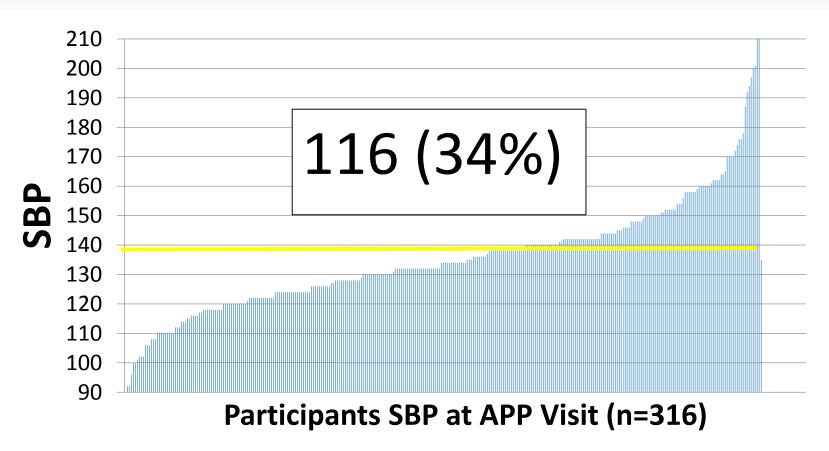


Systolic BP Mean (SD)



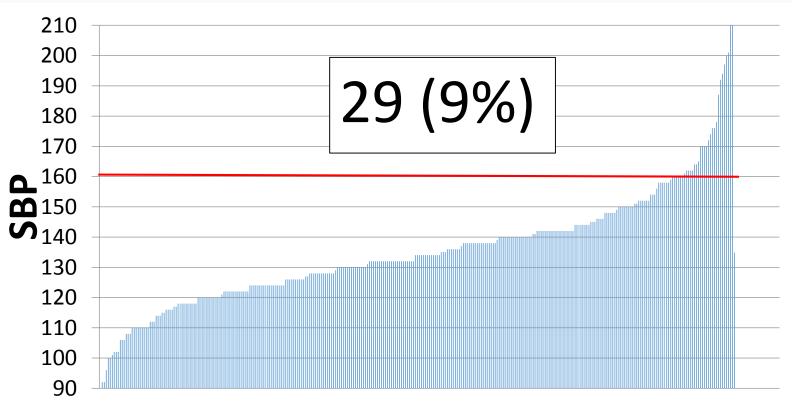


Number (%) SBP ≥ 140mm Hg





Number (%) SBP≥ 160 mm Hg



Participants SBP at APP Visit (n=316)

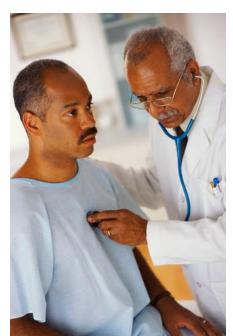


Visits with PCPs

Do you have one doctor that knows you and all of your medical conditions?

Have you seen him/her in the past 3 months?

Have you seen him/her since your stroke?





Visit with PCPs



Do you have one doctor that knows you and all of your medical conditions?

• 319/342 (93%) "Yes"

Have you seen him/her in the past 3 months?

• 270/319 (85%) "Yes"

Have you seen him/her since your stroke?

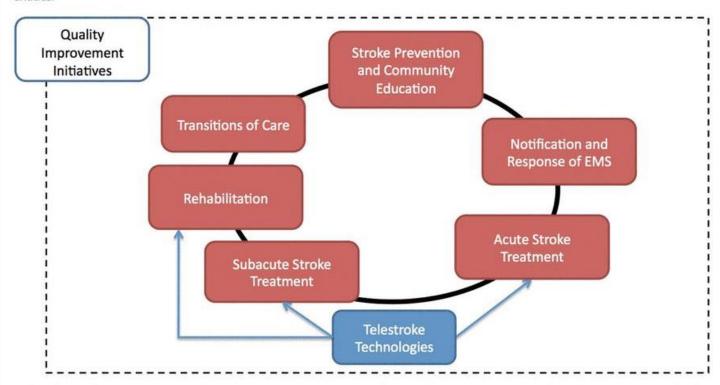
• 175/270 (65%) "Yes"

COMPREHENSIVE POST-ACUTE STROKE SERVICES

Stroke Advisory Council

Work Groups

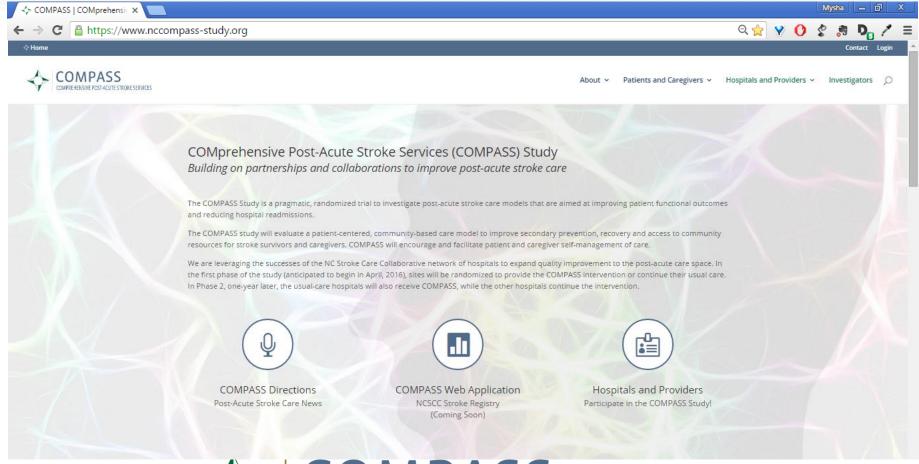
Stroke Advisory Council Work Groups reflect components of a comprehensive Stroke System of Care which is depicted below. The long-term objective of the comprehensive Stroke Systems of Care is to reduce disparities in stroke by increasing communication and coordination with everyone involved- individuals who have suffered a stroke, family members, health care professionals, community partners and legislative entities.



Adapted from Schwamm, L.H., Pancioli, A., Acker, J.E., Goldstein, L.B., Zorowitz, R.D., Shepherd, T.J....Adams, R.J. (2005). Recommendations for the establishment of stroke systems of care: Recommendations from the American stroke association task force on the development of stroke systems. Circulation, 111(8), 1078-1091.



COMPASS Website https://www.nccompass-study.org/





Post-Stroke Health Work Group Members

Chair: Pam Duncan

Vice Chair: Sylvia Coleman

Staff: Anna Bess Brown



Cheryl Bushnell, Betsy Vetter, Wayne Rosamond, Sue Ashcraft, Wanda Moore, Robin Jones, Amy Jones, Kimberly Elks, David Huang, Maura Sliverman, and Melissa Hanrahan



SAC Post-Stroke Health Work Group Recommendations:

- Work with Medicaid to write a letter to providers describing stroke patients' available benefits.
- Develop a list of key messages for providers to be used in provider training and posted on the Start With Your Heart website.
- Develop a strategic plan to educate providers (primary care providers and other post-acute providers) on the challenges of managing on secondary prevention.



Thank you for your interest, attention, and all of the support and resources!

Jacquie Halladay, MD, MPH Sylvia W. Coleman, RN, BSN, MPH, CLNC



Health Care Provider Blood Pressure Refresher
Learn proper protocol for taking blood pressure correctly and
accurately. This short video shows proper techniques for
blood pressure measurement and is especially useful as a
refresher for midlevel health care providers and nonclinical
community health workers.



Self-Monitoring Blood Pressure

Learn proper protocol for taking blood pressure correctly and accurately using an automatic blood pressure device. The video, produced by the Mayo Clinic, provides instruction for those who check their own blood pressure at home.





Pressing on...

"Know that your life matters to many, so do good work, laugh every day, and press on".



