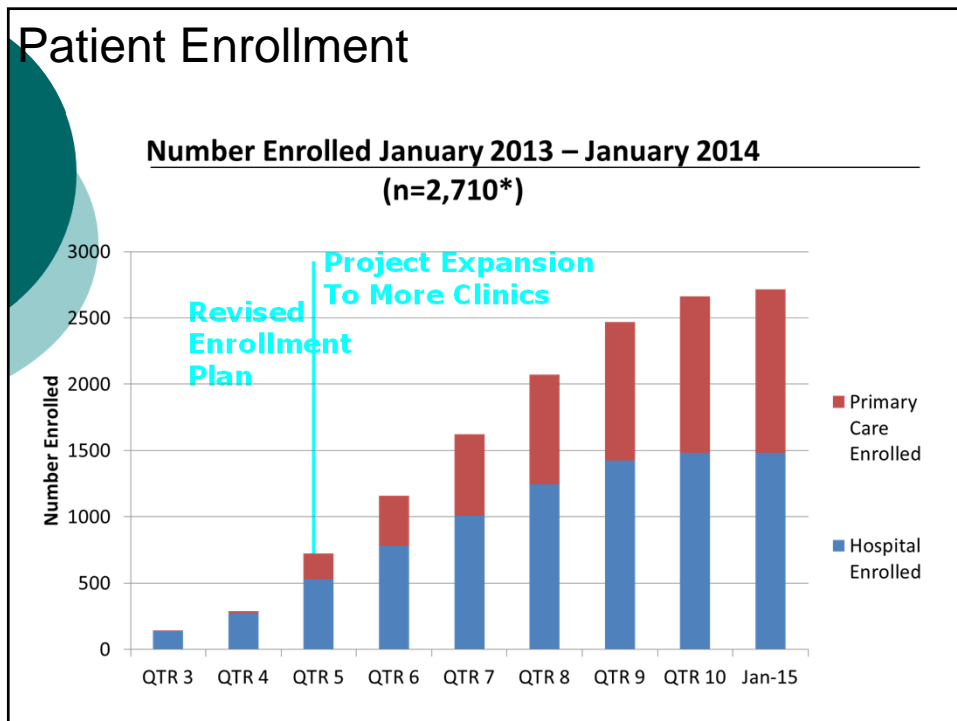
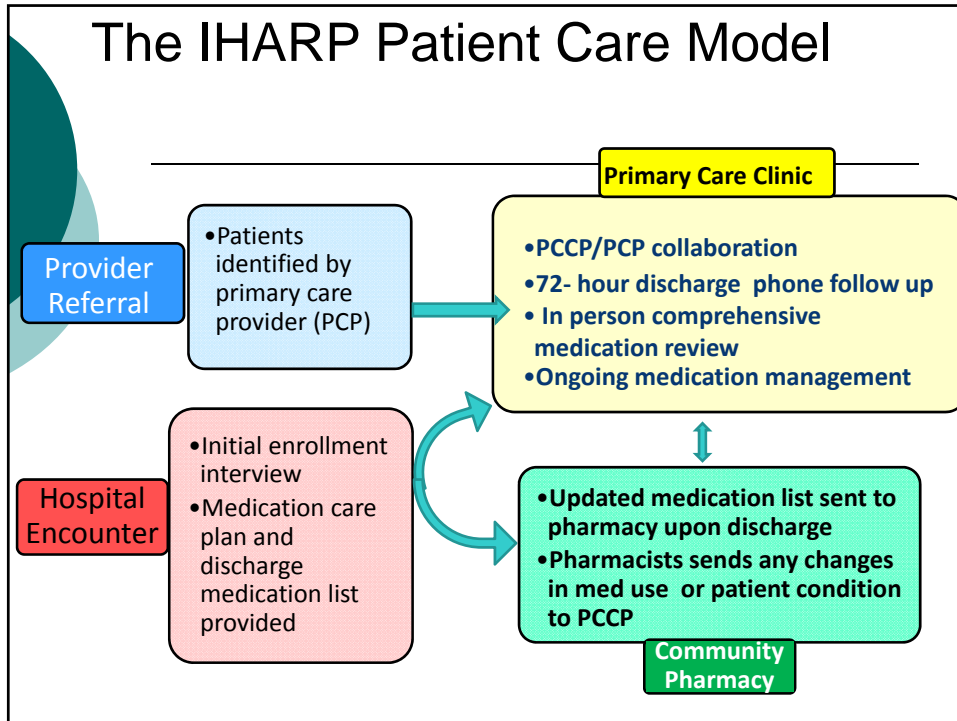
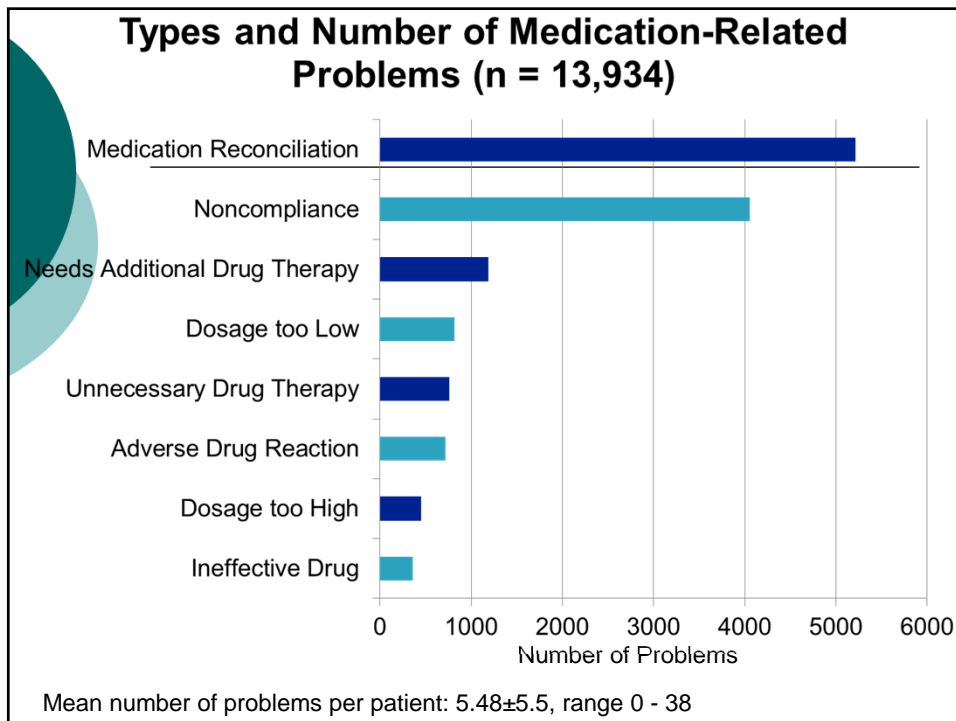


## OVERVIEW OF THE PROJECT

- Engage pharmacists in the care of high risk patients at five Carilion regional hospitals
- Integrate clinical pharmacists within Carilion PCMH primary care practices.
- Provide electronic health care record access to IHARP network community pharmacies.
- Deliver this coordinated continuity of care intervention to thousands of patients with multiple chronic diseases.



Patient Demographics	
Variable	N (%)
<u>Age (years) (N=2573)</u>	
Young adult (18 – 25)	8 (0.31)
Adult (26 – 64)	1184 (46.02)
Elderly (65-74)	734 (28.53)
Elderly (75+)	647 (25.15)
<u>Race (N=2573)</u>	
White	2251 (87.49)
Black	297 (11.54)
Hispanic	8 (0.31)
Asian	6 (0.23)
American Indian	1 (0.04)
Other	5 (0.19)
Unknown	2 (0.08)
<u>Primary Payer (N=2358)</u>	
Medicare	1617 (68.58)
Anthem BCBS	277 (11.75)
Medicaid	184 (7.80)
Commercial	172 (7.29)
Self-pay	91 (3.86)
Other	20 (0.85)



## Physician Comments

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*"This is hands down **the most helpful program that has ever been offered in our primary care clinic.** It has been enormously **useful to me as a provider---** **it saves tremendous time** and the pharmacists are a great resource for medication related questions.*

*It has likewise been tremendously helpful to patients-- it has **improved their understanding of their medications and disease process, has saved them money and has likely improved outcomes** and decreased risk by ensuring compliance with prescribed therapies. The best thing since sliced bread, in my humble opinion."*

## Care Coordinator Comments

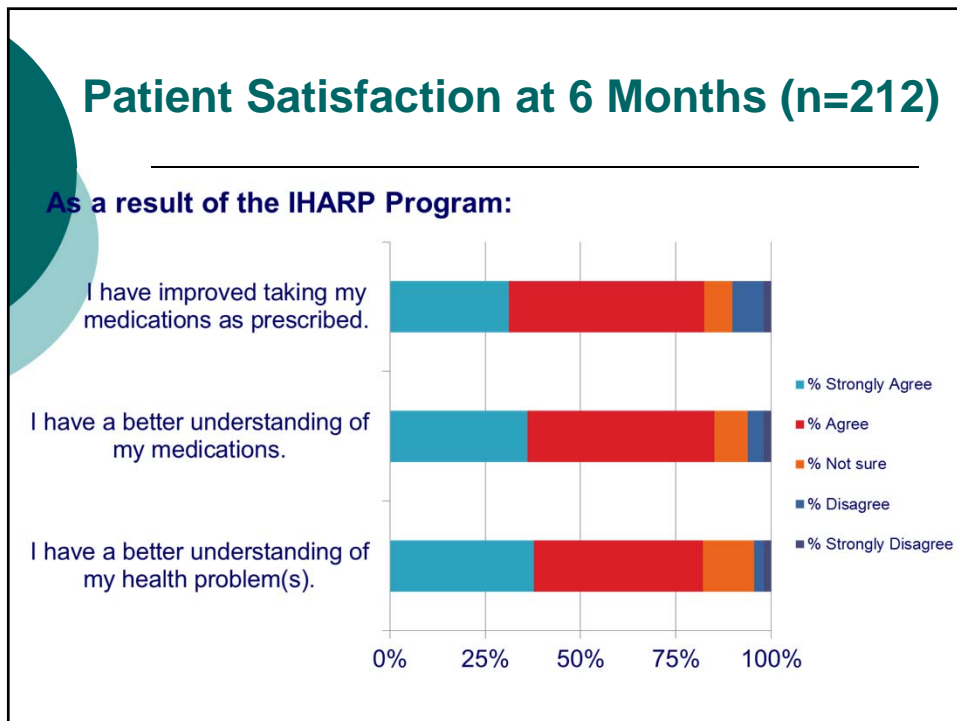
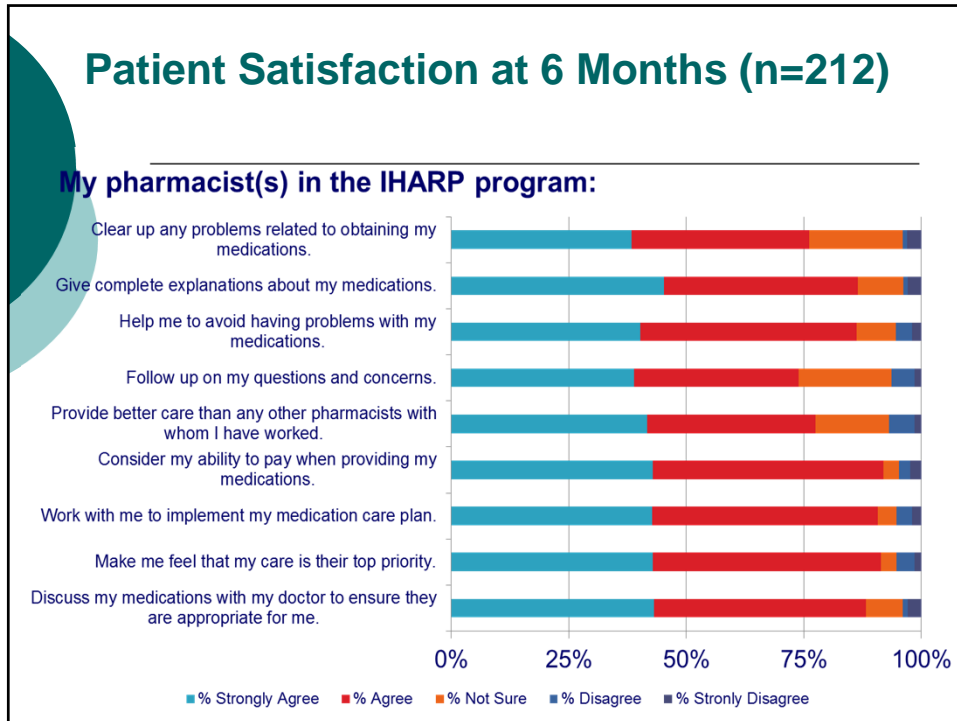
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*"...increased understanding of the medications by patients helps increase compliance with medication regimens."*

*"I feel that the pharmacists that work in our clinic make a difference with EVERY patient they come in contact with. I am always grateful for their knowledge and assistance."*

*"Our pharmacist has a large role in helping our team achieve top notch patient care."*

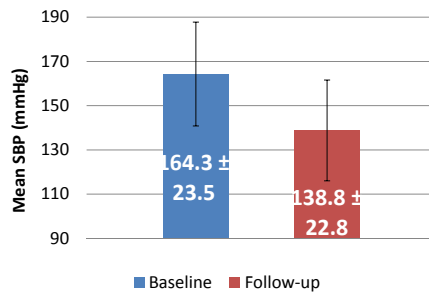
*"Their knowledge is so essential in family practice. "*



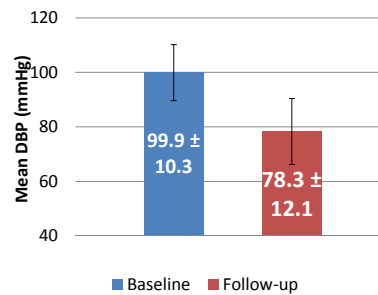
## Clinical Outcomes - Hypertension

At baseline 897 of the 1953 patients with a diagnosis of hypertension had a SBP of >140 mmHg and 320 had a DBP of > 90 mmHg.

**Blood Pressure Reduction for Patients with Uncontrolled SBP (N=739)**



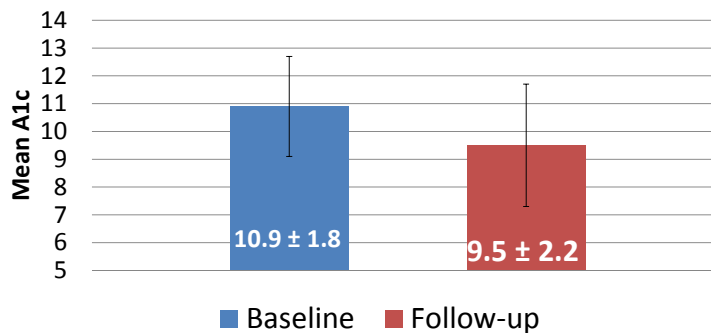
**Blood Pressure Reduction for Patients with Uncontrolled DBP (N=256)**



## Clinical Outcomes - Diabetes

- At baseline, 591 out of 1137 diabetic patients had an A1c < 8%.
- 368 patient were poorly controlled with A1c >9.
- 25.5% have achieved A1c <8 after enrollment in IHARP

**A1c Reduction for Poorly Controlled Diabetics (N=235)**



## Clinical Outcomes - Hyperlipidemia

- At baseline, 529 out of 921 patients with hyperlipidemia had LDL values < 100 mg/dL at baseline.
- 182 patients had LDL > 130 at baseline. 27.3% have now achieved goal < 100 at the most recent follow up

**LDL Reduction for Patients with Poor LDL  
Control LDL > 130 mg/dL (N=99)**

