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Interprofessional care including a pharmacist demonstrates a positive trend towards increasing access to care and improving adherence to Hepatitis C management in a primary care setting.

Impact of a Primary Care Clinical Pharmacist on the Management of **Hepatitis C Viral Infection**

Sierra Ferreira, PharmD; Adam Normandin, MD; Linh Gagnon, PharmD, BCPS, BCACP; Corinn Martineau, PharmD, BCACP, CDOE

Introduction

- Hepatitis C viral (HCV) infection is a public health concern
- Patients with HCV can be treated by Primary Care Physicians without the need for a referral to a Specialist
- The primary care clinical pharmacist role in HCV management is not well-recognized in the literature¹⁻⁶
- Pharmacists involved in HCV management amongst other specialties have demonstrated improved outcomes including:
 - Medication adherence⁶
 - Identification and management of drug-drug interactions^{6,3}
 - Cure rates demonstrated by sustained virologic response (SVR)⁴

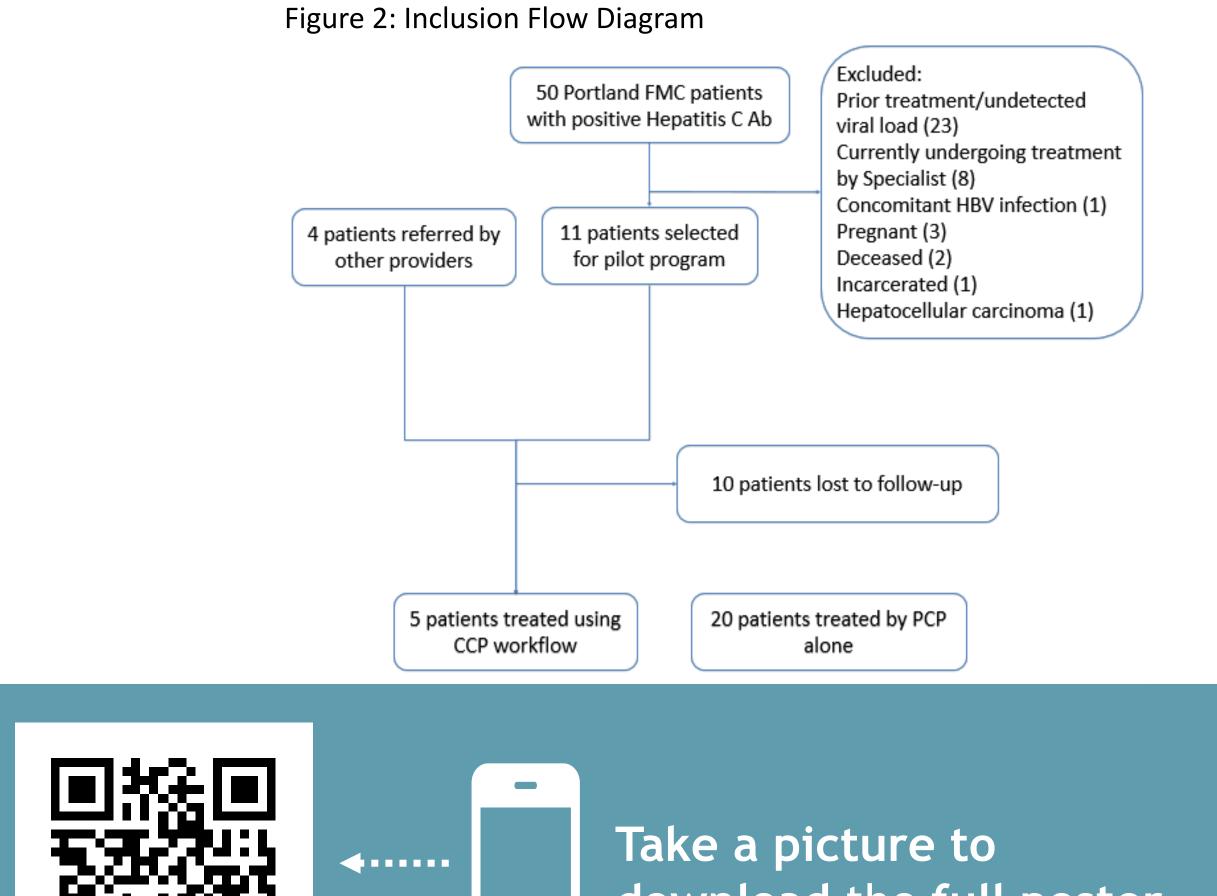
download the full poster

Methods

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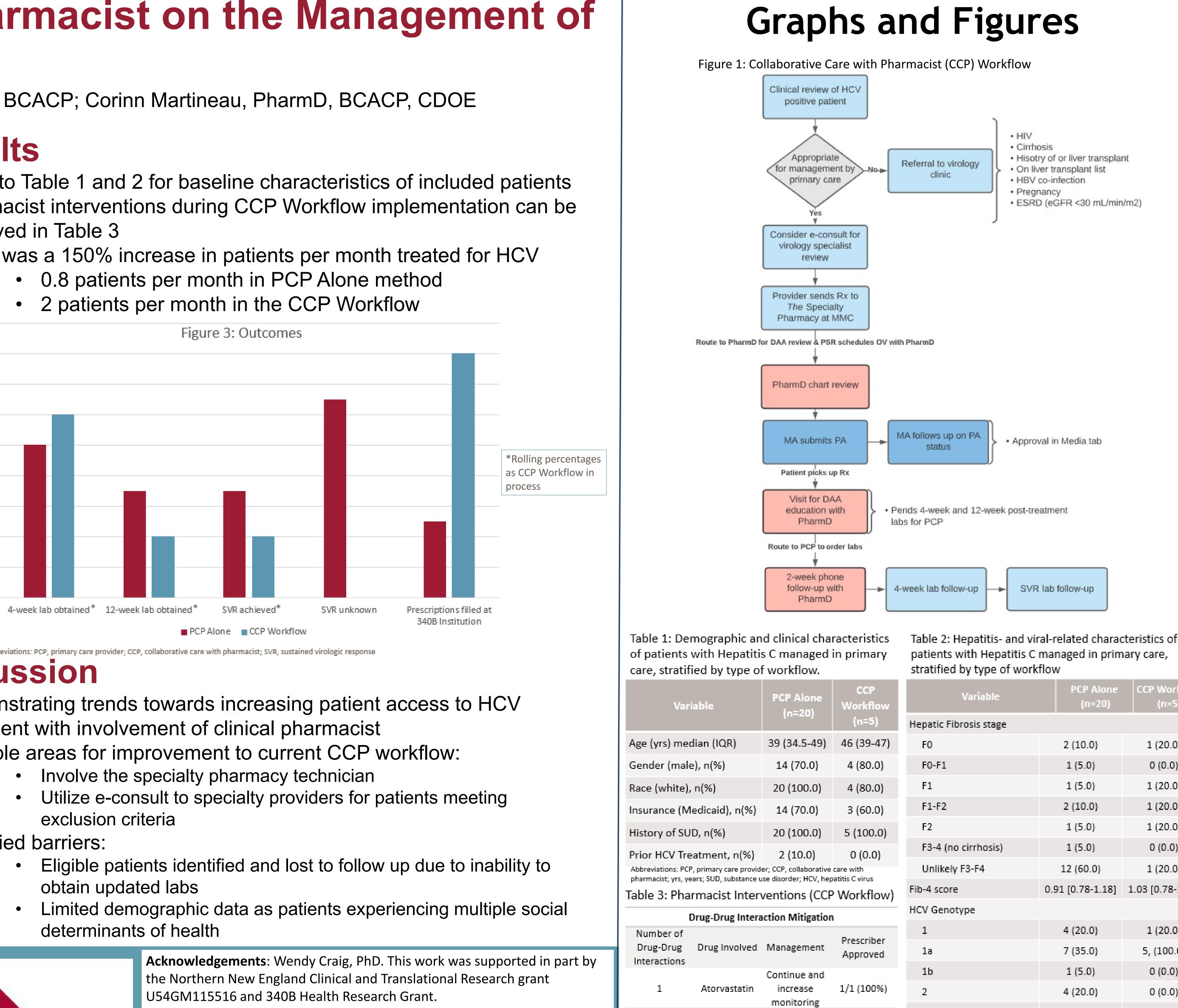
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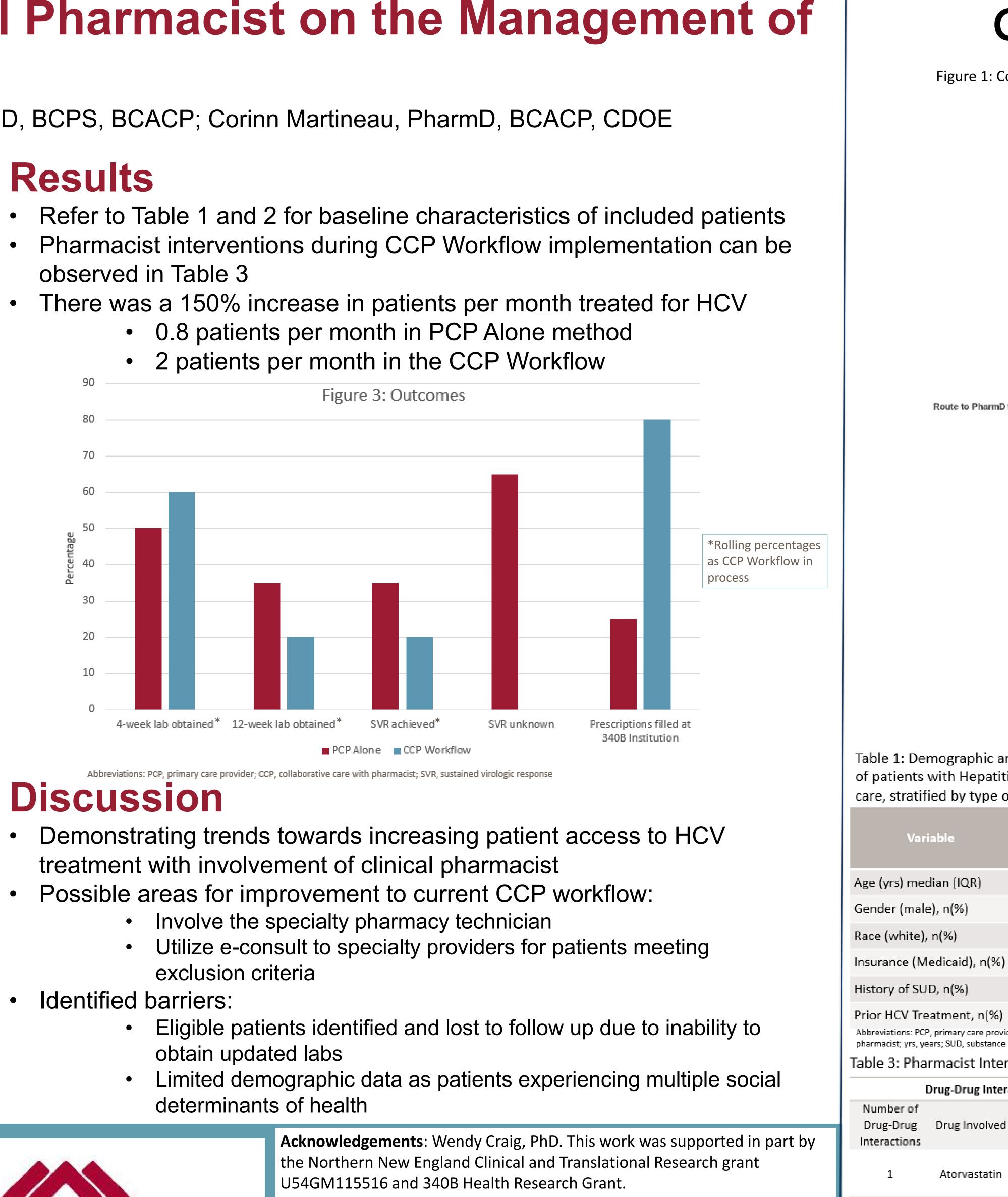
- Prospective quality improvement program at Maine Medical Partners – Portland Family Medicine
- Refer to Figure 1 for Interprofessional HCV Management Workflow
- Patients screened, enrolled and included in analysis as demonstrated in Figure 2



Results

- observed in Table 3





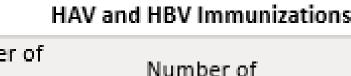
Discussion

- Identified barriers:

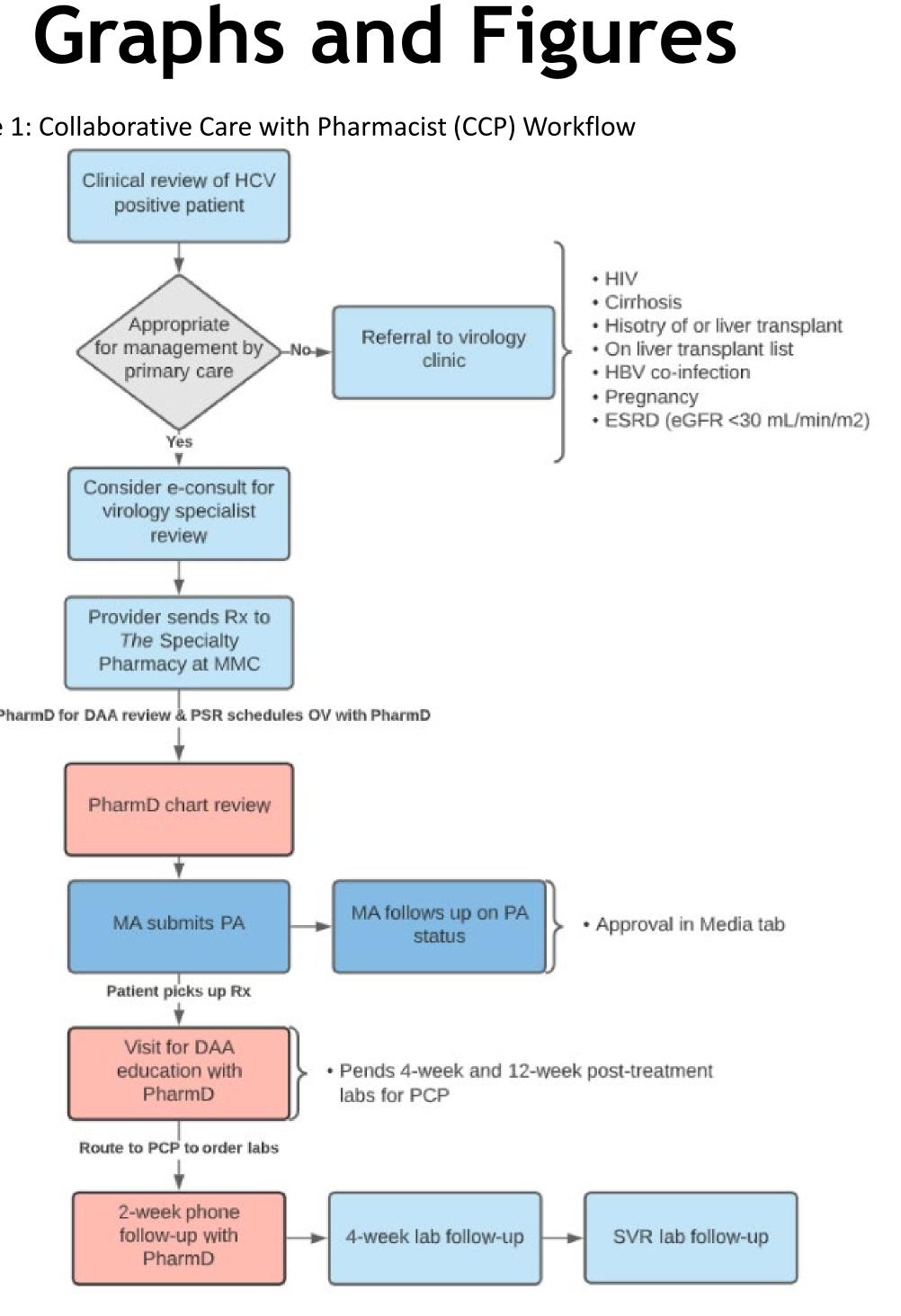


- Citations

Maasoumy B, et al. Aliment Pharmacol Ther. 2013;38(11-12):1365-1372. Lasser KE, et al. Ann Fam Med. 2017;15(3):258-261 Langness JA, et al. World J Gastroenterol. 2017;23(9):1618-1626. Coghlan M, et al. Int J Clin Pharm. 2019;41(5):1227-1238. Yamamoto H, et al. J Pharm Health Care Sci. 2018;4:17. Mikolas LA, et al. J Pharm Pract. 2019;32(6):655-663.



Number of Number of Patients Patients Recommended for Vaccinated Vaccine 2/3 (66.7%)



PCP Alon

(n=20)

CCP

of patients with Hepatitis C managed in primary patients with Hepatitis C managed in primary care, stratified by type of workflow DCD Alone CCD Workfloy

	Variable	PCP Alc (n=20		CCP Workflow (n=5)
	Hepatic Fibrosis stage			
	FO	2 (10.0)		1 (20.0)
	F0-F1	1 (5.0)		0 (0.0)
	F1	1 (5.0)		1 (20.0)
	F1-F2	2 (10.0)		1 (20.0)
	F2	1 (5.0)		1 (20.0)
	F3-4 (no cirrhosis)	1 (5.0)		0 (0.0)
	Unlikely F3-F4	12 (60.0)		1 (20.0)
r)	Fib-4 score	0.91 [0.78-1.3	18] 1	L.03 [0.78-1.22]
	HCV Genotype			
	1	4 (20.0)		1 (20.0)
	1a	7 (35.0)		5, (100.0)
	1b	1 (5.0)		0 (0.0)
	2	4 (20.0)		0 (0.0)
_	3	2 (10.0)		2 (40.0)
	Unknown	2 (10.0)		0 (0.0)
	HAV non-immune	8/18 (44.4))	3 (60.0)
	HBV non-immune	10 (50.0)		2 (40.0)
	Abbreviations: PCP, primary care provider; CCP, collaborative care with pharmacist; HCV, benatitis Civirus: HAV, benatitis A virus: HBV, benatitis B virus			

39 (34.5-49) 46 (39-47 14 (70.0) 4 (80.0) 20 (100.0) 4 (80.0) 14 (70.0) 3 (60.0) 20 (100.0) 5 (100.0) 0 (0.0) 2 (10.0) Prescriber Approved Continue and 1/1 (100%) increase monitoring Prescriber

Approved

3/3 (100%)