

DISCLOSURES

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This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Institute for Medical Quality/California Medical Association (IMQ/CMA) through the joint providership of Cardea and Northwest Portland Area Indian Health Board. Cardea is accredited by the IMQ/CMA to provide continuing medical education for physicians.

Cardea designates this live web-based training for a maximum of 1 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim credit commensurate with the extent of their participation in the activity.



DISCLOSURES

COMPLETING THIS ACTIVITY

Upon successful completion of this activity 1 contact hour will be awarded

Successful completion of this continuing education activity includes the following:

- Attending the entire CE activity;
- Completing the online evaluation;
- Submitting an online CE request.

Your certificate will be sent via email

If you have any questions about this CE activity, contact Michelle Daugherty at mdaugherty@cardeaservices.org or (206) 447-9538



CONFLICT OF INTEREST

Paulina Deming is on an advisory committee for Gilead.

None of the other planners or presenters of this CE activity have any relevant financial relationships with any commercial entities pertaining to this activity.

Acknowledgement

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The Indian Health Service HIV Program
and

The Secretary's Minority AIDS Initiative Fund



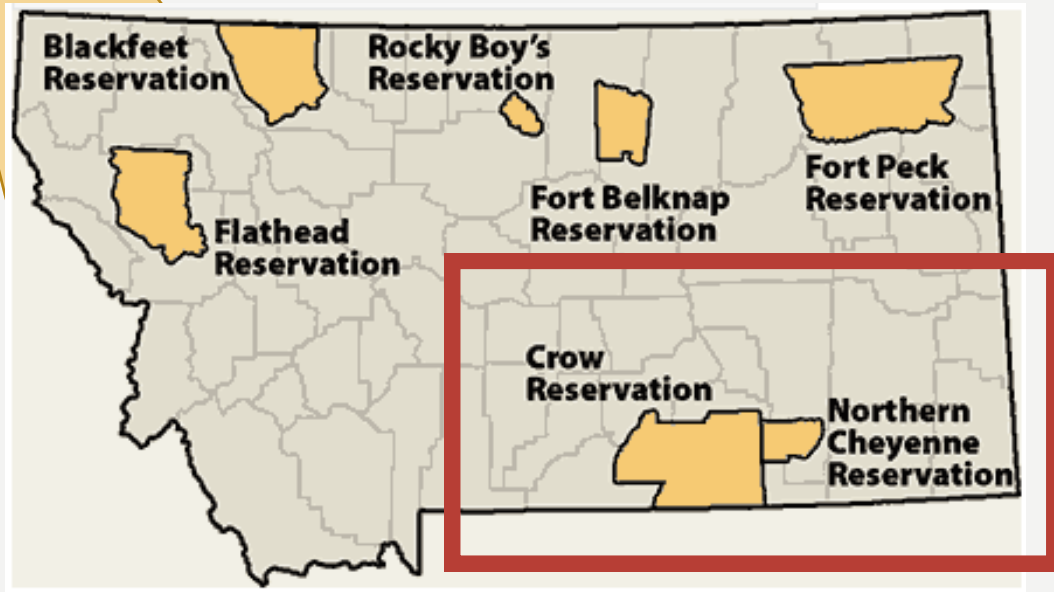
**ADDRESSING
STARTING AN HCV
CLINIC AT
CROW/NORTHERN
CHEYENNE**

**AUTHORED AND PRESENTED BY:
KELSEY KROON, PHARM D
CDR DAWN BENTH, PHN
CDR ANGELA TROUTT, PHARM D
AUGUST 22, 2018**

AGENDA

- Identify the need for an HCV clinic at Crow/Northern Cheyenne Service Unit
- Summarize the steps taken to establish the HCV clinic
- Explain HCV clinic workflow and team member roles
- Describe current clinic status and future goals





OUR FACILITY

Located on the Crow Reservation

Main hospital in Crow Agency, MT

Two field clinics in Lodge Grass
and Pryor, MT

Crow: ~11,200 enrolled
with ~8,000 living on reservation

Northern Cheyenne: ~11,266
enrolled and ~5,000 on
reservation





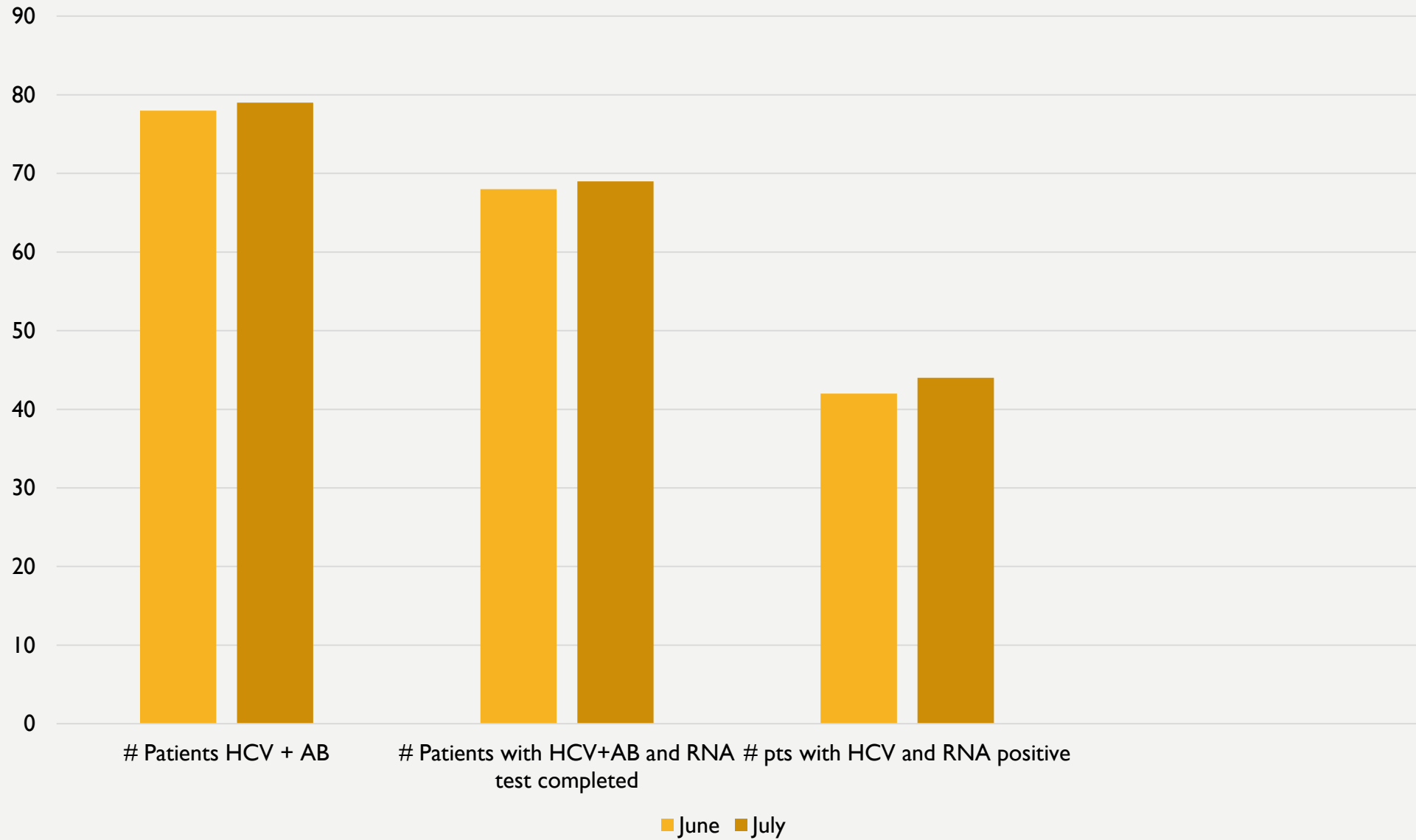
**WHY DID WE
NEED AN HCV
CLINIC?**

BEFORE CLINIC WAS ESTABLISHED

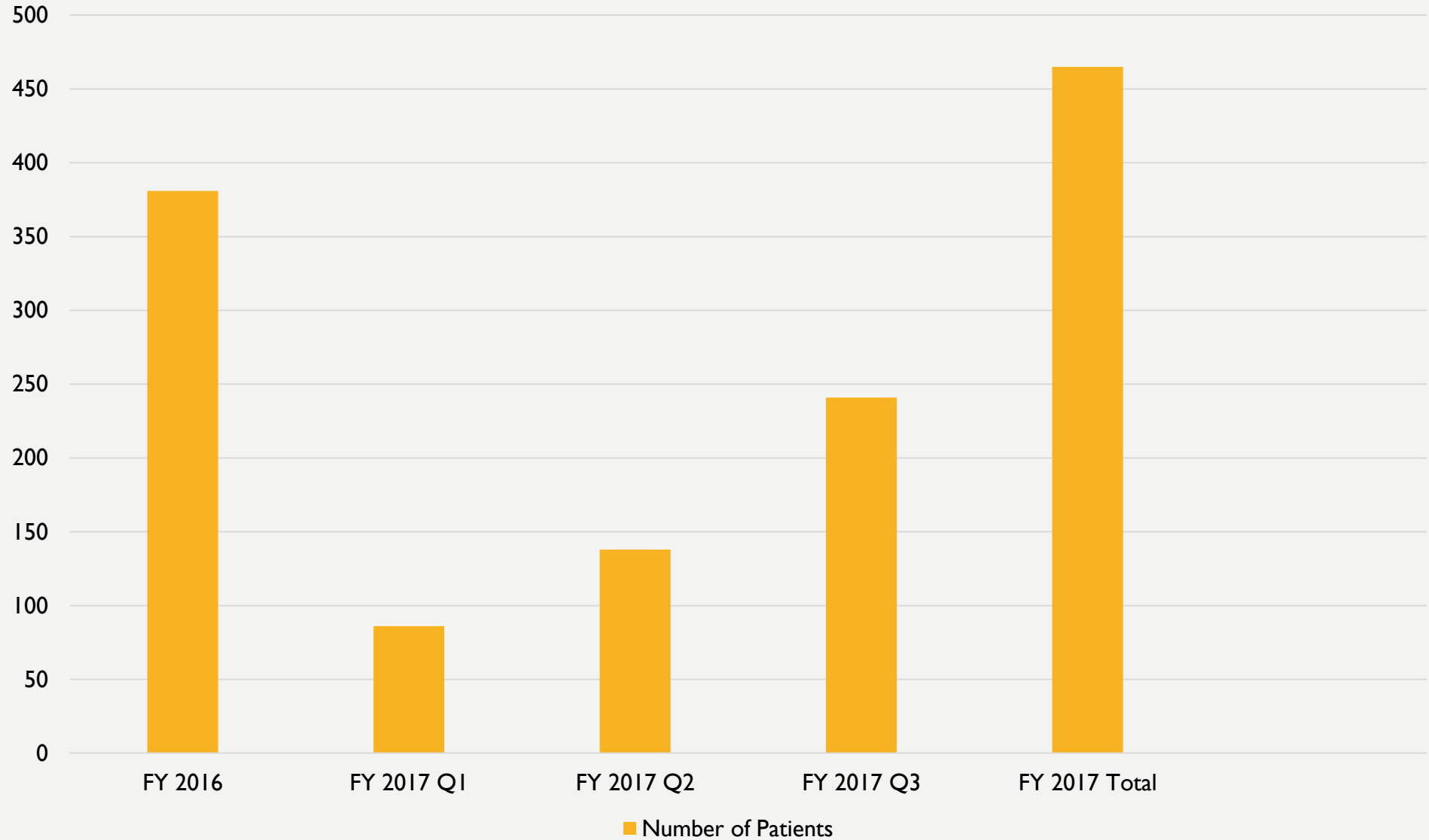
- Hepatitis C positive patients were being referred to Billings for care
 - High cost
 - No patient transportation
 - Many lost to follow-up
- Patients without insurance had limited options
- Low screening rate



Patient Overview



HCV Antibody Testing






STEPS TO START CLINIC



STARTING OUT

- Attended Hepatitis C Clinical Training
 - Completed online modules: Hepatitis C Online by University of Washington
 - www.hepatitisc.uw.edu
 - Created a protocol and collaborative practice agreement
 - Presented at Med Staff and clinic was approved in November 2017
 - All Hepatitis C medications approved for use with restrictions to HCV Clinic December 2017
 - Approved as non-specialist site by MT Medicaid May 2018
- 

MONTANA MEDICAID APPROVAL

- Applied to be included on Montana Medicaid’s “panel of providers” for Hepatitis C treatment
- Documents submitted
 - Letter from the medical director discussing clinic workflow and support
 - Policy outlining practice principles
- Phone Interview
 - Answered questions regarding submitted materials
 - Discussed Montana Medicaid readiness criteria and preferred Hepatitis C treatment regimens



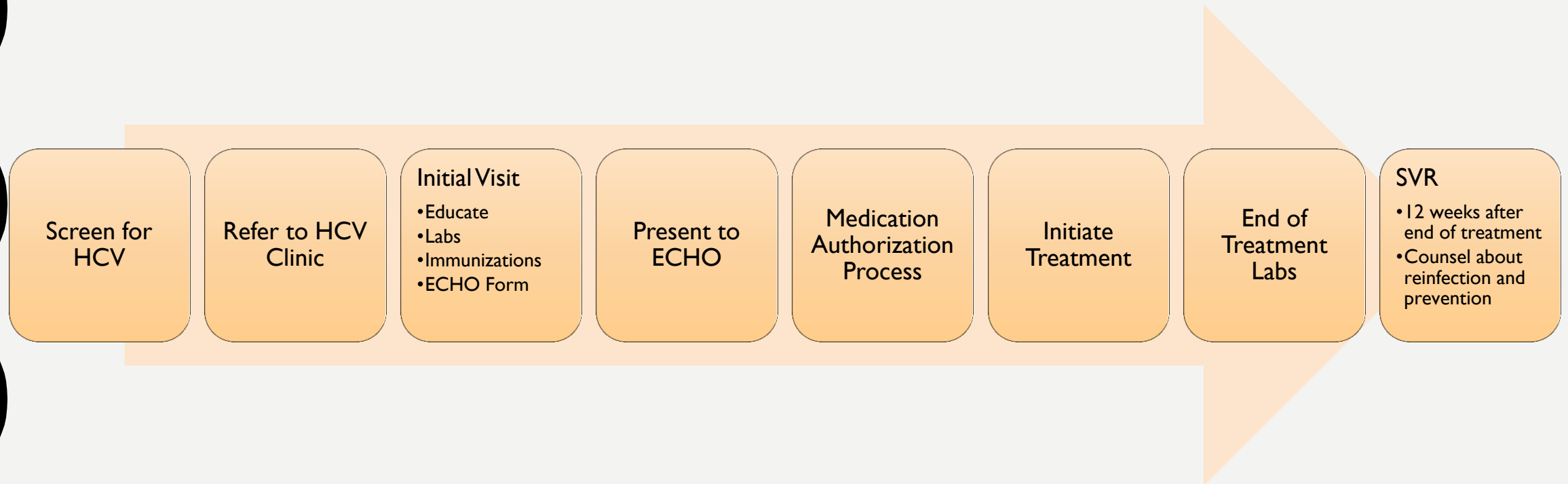


CLINIC AND TEAM WORKFLOW

TEAM APPROACH



CLINIC PROCESS SUMMARY



PUBLIC HEALTH NURSING ROLE

Locate existing patients

- iCare, RPMS/QMAN, Montana Infectious Disease Information System (MIDIS), Chart Reviews, Diagnosis Codes and Problem Lists

Find new patients

- Provider/nurse education (in-house, local facilities, regional)
- Screening reminder in EHR for baby boomers (working towards changing)
- Community screenings

Initial patient contact and investigation

- At clinic, home visits, phone calls, neutral locations
- Provide patient education, ECHO investigation, draw labs, collect documents and signatures

Patient follow-up throughout treatment process and after

- Present during ECHO presentation
- Reminder calls to patients
- Home visits for lab draws and medication delivery
- Administer Immunizations

SCREENING REMINDER

PRIVACY **PATIENT CHART** **RESOURCES** **RCIS** **DIRECT WebMail** **ED Dashboard**

Demo, Patient Pryor 998899 01-Jan-1955 (63) F **Visit not selected** KROON, KELSEY **Primary Care Team Unassigned**

Postings C Visit Summary Problem List Problem List Advs React Medications **CIC DIA** Refill "Q" Orders: 0 Pharm Ed POC Lab Entry

Notifications Cover Sheet Triage Wellness Imm/Skin Tests IPL/POV Prenatal Well Child Medications Labs Orders Notes Consults/Referrals Superbill D/C Summary Suicid

Active Problem List

Problem	Date
*today	16-Aug-2013
Abnormal glucose level	15-Jan-2015 13:40
Chart evaluation by healthcare professional	01-Sep-2016 09:09
Contraception unplanned	25-Oct-2017
Did not wait for treatment Third time	01-Sep-2017
Immunization advised dtap, flu, ipv, per so	25-Oct-2017
Immunization due PNUEMOCACLLAL	09-May-2018
On examination - dental caries exam	08-Mar-2018
Screening mammography	10-Mar-2018

Medication List

Medication	Status	Issue Date
MS CONTIN EQUIVALENT TAB...	ACTIVE	
ACETAMINOPHEN 325MG TAB	ACTIVE	
AMLODIPINE BESYLATE 5MG	ACTIVE	

Vitals

Vital	Value	Date
BP	120/74 mmHg	25-Oct-2017 14:44
VU	20/30	25-Oct-2017 14:44
TMP	98 F (36.67 C)	10-Oct-2017 20:17
PU	104 /min	10-Oct-2017 20:17
RS	12 /min	10-Oct-2017 20:17
PA	2	10-Oct-2017 20:17
O2	98 %	10-Oct-2017 20:17
ED	2+	10-Oct-2017 20:17

Available Reminders

Available Reminders	Due Date	Last Occurrence	Priority
Due			
Lipid Profile Female	DUE NOW		
DM Screening	DUE NOW		
Dental Visit	10/13/2017	10/13/2016	
Pap test 30-64Y	DUE NOW		
Hepatitis C Screening	DUE NOW		
Mammogram 50-74	03/01/2018	03/01/2017	
Tdap	DUE NOW		
Weight	02/16/2018	08/16/2017	
Zoster Immunization	DUE NOW		
Applicable			

Appointments/Visits

Appointment/Visit	Date	Status
01 GEN	07-Feb-2018 09:51	AMBULATORY

Designated Providers

Category	Provider	Date Updated
----------	----------	--------------

Reminder Retrieving Remin

Triage Summary

LAB ORDER MENU

Demo Patient Pryor
998899 01-Jan-1955 (63) F

PRY-PHARMACY
KROON,KELSEY

16-Mar-2018 13:42
Ambulatory

Primary Care Team Unassigned

Postings C Visit Summary Problem List Problem List Advs React Medications Needs Rvw Needs Rvw Needs Rvw

Refill "Q" Orders: 0 Pharm Ed POC Lab Entry Asthma Action Plan

Notifications Cover Sheet Triage Wellness Imm/Skin Tests IPL/POV Prenatal Well Child Medications Labs **Orders** Notes Consults/Referrals Superbill D/C Summary Suicide Form

File View Action Options

View Orders Active Orders (includes Pending) **Outpatient Labs** Done

View Orders	Active Orders (includes Pending)	Outpatient Labs
Active Orders (includes Pending)	Service	
Write Orders	APAP/COI TAKE 5ML Quantity: 6	Bloodborne Pathogen Microbiology In House
Delayed Orders	Outpt. Meds	Crow Labs Womens Health Labs
OUTPATIENT	Outside Meds	Pediatric Labs Reference Labs
Outpatient Nursing Order	Outside Meds	Diabetic Labs Pryor Labs
Outpatient Clerk Orders	Outside Meds	
Outpatient Nursing Order	Outside Meds	
Outpatient Meds	Outside Meds	
Outpatient Labs	Lab	HCV Clinic Labs
Imaging	Imaging	
Consult Menu	Imaging	
EMERGENCY	Imaging	
ER Quick Orders Menu	Imaging	
ER Pyxis Medications	Imaging	
Infusion	Imaging	
INPATIENT	Imaging	
Inpatient Main Menu	Consults	
Inpatient Medications		
Infusion		
Inpatient Labs		
Diet Menu		

KROON,KELSEY BILCR.D1.NA.IHS.GOV PRYOR HEALTH STATION

HCV CLINIC LAB MENU

HCV Clinic Labs Done

Hep C Screen (antibody)

If HCV Antibody Positive order:

HCV RNA QNT Reflex GENOTYPE

Labs required within 3 months of ECHO Presentation

CMP	HCV RNA QUANT ONLY
CBC with Auto Diff	HIV Screen
PT/INR	Hep A Total Antibody
Anemia Panel	Hep B Surface Antibody
Vitamin D	Hep B Core Antibody
Alpha Fetoprotein Tumor Marker	Hep B Surface Antigen
ANC	

Prefer 2 UDS 3 months apart in past 12 months

Urine Drug Screen

Pregnancy Test

Hepatitis C Initial Labs Order Set

Hepatitis C lab set 4 weeks into treatment

Hepatitis C lab set 8 weeks into treatment

Hepatitis C End of Treatment Response Labs

LAB ORDER SET

Hepatitis C Order Set Initial Tests

Hepatitis C 4 week ETR and SVR labs

Initial Tests

- Chem 14
- CBC with autodiff
- Display Name Missing
- PT/INR
- Anemia Panel
- Vitamin D
- Alpha Fetoprotein Tumor Marker
- Display Name Missing
- HIV AB SCREEN
- HEPATITIS A TOTAL
- HEPATITIS B SURFACE ANTIBODY
- HEPATITIS B CORE ANTIBODY
- Hepatitis B Surface Antigen

Stop Order Set

Order a Lab Test

Available Lab Tests

CHEM 14

CHEM 14

CHEM 8

CHEM CONTROL <VITROS (

CHEM MASTER LIST

CHL/CG APTIMA SHL <

CHL/GC APTIMA <CHLAMY

CHLAMYDIA ABS,JGG&IGM <

CHLAMYDIA APTIMA

Collect Sample ORANGE/SERUM

Specimen SERUM

Urgency ROUTINE

Enter order comment:

Collection Type Send Patient to Lab

Collection Date/Time T

How Often? ONCE

How Long?

Clinical Indication:

CHEM 14 ORANGE/SERUM SP ONCE

Accept Order

Quit

MONTANA MEDICAID PRIOR AUTHORIZATION

Readiness Criteria

- Sobriety from alcohol and injectable drugs for at least 6 months
- Compliance with all current medications prescribed for all disease states/conditions at least 3 consecutive months
- Compliance with scheduled appointments/labs
- Mental health consult to assess for patient readiness in patients with mental health conditions

Clinical Requirements


- HCV genotype and RNA
- Fibrosis Stage by Fibrosure
- Liver assessment (cirrhosis, extrahepatic manifestations, etc)
- List of medications and previous HCV treatments
- Labs
- Any visit notes pertaining to HCV

PATIENT ASSISTANCE PROGRAMS

- “American Indians and Alaska Natives (AI/ANs) and other people eligible for services through the Indian Health Service, tribal programs, or urban Indian programs (like the spouse or child of an eligible Indian) **don't** have to pay the fee for not having health coverage. This is called having an Indian health coverage exemption.”
 - We have found that this statement **no longer holds true**
- When applying, be sure to provide a copy of:
 - Tribal ID card
 - Income documents (pay stub, tax forms, social security, statement letter of no income notarized, etc)
 - Number in household
- Gilead’s Support Path patient Assistance Program can provide Sovaldi[®], Harvoni[®], or Epclusa[®] at no charge for **eligible** and **qualified uninsured patients**
- Abbvie’s Patient Assistance Program can provide Mavyret[®]



MANAGEMENT TOOLS

- NICE Hepatitis C Tool (created by Jessica Leston, Brigg Reilly, David Stephens, and Belcourt HCV Team)
 - Reminders in EHR
 - Note Templates
- 

Hepatitis C Patient Panel List
 Developed by: Neelam Gazarian, QNBMHCF, Belcourt ND
 email: neelam.gazarian@ihs.gov

White: Unable to contact
Green Ready to present to ECHO
Blue Started treatment
Yellow Pending Appt need labs
Red UDS Positive
Purple Medication Approval Pending
Orange Completed treatment, pending SVR labs
Grey CURED

Patient Name	ID	DOB	Age in 2017	AST/SGOT	ALT SGPT	Platelets	APRI	APRI Stage	FIB 4	FIB 4 Stage Calc	Viral Load	Genotype	Labs ordered	Notes	Contact Info	
Smith,Jane	12345	1/1/1980	Completed treatme	37	140	180	250	1.4	3	1.544377616	3	3800000	1a	Sheet11A1	HARVONI X 8 WEEKS, MEDICAID APPROVED. Labs 10/31	
smith,s	12346	1/1/1961	Ready to present to	56	48	48	299	0.401337793	1	1.297589903	1	4100000	1a or 1b	Sheet21E2	F0, Expansion. ECHO 10/4/17	
doe,j	12347	1/2/1981	Pending Appt need	36	42	60	348	0.301724138	1	0.560914829	1	200	unknown	Sheet31A1	Medicaid, F0 try PAP, self clearer? Labs on 9/14/17.	
doe,john	12348	1/3/1991	Pending Appt need	26	28	36	297	0.235690236	1	0.408529742	1	18000000	2b	Sheet41A1	Expansion, pt will come in for labs today	
smith,m	123	1/4/1987	Pending Appt need	30	30	41	239	0.313807531	1	0.588102032	1	200		Sheet51A1	Expansion, Manual genotype to NS5A when comes in. Called 9/7	
smith,a	1234	1/5/1915	Pending Appt need	102	484	624	223	5.426008969	3	8.862339346	3	370000	1a or 1b	Sheet61A1	Medicaid, depression, no appt in past 2 years	
smith,b	111	1/6/1933	Purple Medication	84	96	104	169	1.420118343	3	4.678936431	3		1a or 1b	Sheet71A1		
smith,c	1112	1/7/1945	Ready to present to	72	50	70	333.5	0.374812594	1	1.290201797	1	430000	1a	Sheet81A1	echo 9/20	
smith,d	1549	1/8/1965	Already started tre	52	34	31	195.6	0.434560327	1	1.623426247	3	2600	1	Sheet91A1	Medicaid, will try PAP bring in income docs, need hcv viral load in Nov	
duck,donald	1456	2/8/2017	Already started tre	0	55	41	277	0.496389892	1	0	1	920000	1a or 1 b	Sheet101A1	Harvoni X 8 WEEKS, PAP, theracom pharmacy called 877-398-0966 awaiting	
Mouse,Mickey	78946	8/15/1955	Already started tre	62	38	42	177	0.536723164	1	2.053890918	3	9200000	2b	Sheet111A1	2b EPCLUSA order from Mckesson, 12 weeks	c 278-5311 h 5
mouse,Minnie	4568	8/8/1999	Pending Appt need	18	105	133	212	1.238207547	3	0.773036718	1			Sheet121A1	Expansion, waiting pt to call back need to enter all labs	
Pan,peter	45566	1/12/1966	Already started tre	51	43	56	345	0.311594203	1	0.849425947	1	4400000	1	Sheet131A1	1a or 1b	
Poppins,Mary	4848	5/9/1988	Completed treatme	29	47	67	211	0.556872038	1	0.78917987	1		#REF!	Sheet141A1	Harvoni X 8 WEEKS, PAP, called on 9/11 no vmail to get ETP	HARVONI X 8 W
Wonka,Willy	89621	5/9/1944	Cannot contact	73		37		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		#REF!	Sheet151A1	no insurance, no pcp appt in past year. Unable to Contact	
Free,Willy	4576	3/8/1992	May need Beh Health	25	50	110	244	0.512295082	1	0.488454195	1	4000000	3	Sheet161A1	medicaid. Call in November. Need clean UDS	
doe,a	4562	5/9/1985	Pending Appt need	32	88	216	314.5	0.699523052	1	0.609235393	1	3600	3	Sheet171A1	expansion,needs more labs, called on 9/7/17, left VM	
doe,b	78956	12/12/1986	Cannot contact	30				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	15000	3	Sheet181A1	no insurance, called in aug and sept cannot leave vmail	
doe,c	7778	1/18/1955	Cannot contact	62	48	54	230	0.52173913	1	1.760792627	3			Sheet191A1	expansion,called dpt and left a msg on 9/7, no labs done, needs screen?	
doe,d	98686	9/8/1998	Ready to present to	19	129	116	78	4.134615385	3	2.917559448	3	120000		Sheet201A1	no insurance, labs entered pt coming in 9/7	
doe,e	8587	8/7/1965	Medication Approva	52	95	150	204	1.164215686	3	1.977202505	3		1	Sheet211A1	medicaid, will try PAP	
doe,f	78456	12/21/1949	Ready to present to	67	96	90	268	0.895522388	3	2.529822128	3			Sheet221A1	Expansion. Spoke 9/7. Appt in 2 weeks. Watch for HCV load	
doe,g	32625	1/22/1961	Pending Appt need	56				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			Sheet231A1	Expansion. Left VM	
smith,l	79856	1/26/1988	Pending Appt need	29	384	269	250	3.84	3	2.715895613	3	9700000	1	Sheet241A1	PART D. Called 9/7. Appt 10/18 Ness	
smith,z	42641	1/25/1966	Red May need Beh H	51				#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!			Sheet251A1	Expansion. Meth intoxication	
smith,k	93325	5/5/1988	Blue Already started	29	91	81	166	1.370481928	3	1.766398929	3			Sheet261A1	Expansion	
Smith,Jane	7816	9/8/1999	Cannot contact	18	34	39	337	0.252225519	1	0.290796529	1		1	Sheet271A1	Expansion. Meth	

	Labs to Order	Date Order	Hep A serology/shot	Hep B Ab/Shot , If no	Hep A Shot	6 months	Hep B 0 week	1 month	6 months
<input type="checkbox"/>	HCV Screen	FALSE			9/22/2017	3/21/2018	8/17/2017	9/14/2017	2/13/2018
<input checked="" type="checkbox"/>	HCV Viral Load	9/22/2017							
<input checked="" type="checkbox"/>	HCV GT	9/22/2017							
<input checked="" type="checkbox"/>	NS5A Resistance	9/22/2017							
<input type="checkbox"/>	Pregnancy Test	FALSE							
<input type="checkbox"/>	HIV Scream	FALSE							
<input type="checkbox"/>	Chem 14	FALSE							
<input checked="" type="checkbox"/>	CBC	9/22/2017							
<input type="checkbox"/>	PT/INR	FALSE							
<input type="checkbox"/>	Anemia Panel	FALSE							
<input type="checkbox"/>	Vit D	FALSE							
<input checked="" type="checkbox"/>	AFP Marker	9/22/2017							
<input type="checkbox"/>	Fibrotest	FALSE							
<input type="checkbox"/>	Hep A Ab	FALSE	Negative						
<input type="checkbox"/>	Hep B s Ab	FALSE		Positive					
<input type="checkbox"/>	Hep B s Ag	FALSE		Positive					
<input type="checkbox"/>	Hep B core Ab	FALSE		Positive					
<input type="checkbox"/>	UDS	FALSE							
<input type="checkbox"/>									
<input type="checkbox"/>	At 4 week				9/17/2017	Treatment Start Date			
<input type="checkbox"/>	HCV Viral Load	FALSE			10/15/2017	At 4 week			
<input type="checkbox"/>	Chem 14	FALSE							
<input type="checkbox"/>	CBC	FALSE							
<input type="checkbox"/>									
<input type="checkbox"/>	At 8 weeks				11/12/2017	At 8 weeks			
<input type="checkbox"/>	HCV Viral Load	FALSE							
<input type="checkbox"/>	Chem 14	FALSE							
<input type="checkbox"/>	CBC	FALSE							
<input type="checkbox"/>									
<input type="checkbox"/>	At ETR				12/10/2017	At ETR			
<input type="checkbox"/>	HCV Viral Load	FALSE							
<input type="checkbox"/>	Chem 14	FALSE							
<input type="checkbox"/>	CBC	FALSE							
<input type="checkbox"/>									
<input type="checkbox"/>	At SVR				3/4/2018	At SVR			
<input type="checkbox"/>	HCV Viral Load	FALSE							

INDIVIDUAL PATIENT SHEET

RPMS-EHR KROON,KELSEY ** CROW **

User Patient Refresh Data Tools Help eSig Clear Clear and Lock Community Alerts Dosing Calculator Rx Print Settings Imaging

PRIVACY PATIENT CHART RESOURCES RCIS DIRECT WebMail ED Dashboard

Visit not selected

Postings C Visit Summary Problem List Problem List Adv React Medications

Refill "Q" Orders: 0 Pham Ed POC Lab Entry Asthma Action Plan eRx Receipt Reviewed/Updated

Notifications Cover Sheet Triage Wellness Imm/Skin Tests IPL/POV Prenatal Well Child Medications Labs Orders Notes Consults/Referrals Superbill D/C Summary Suicide Form Reports

Notifications for All Patients

Patient	Location	Notification	Delivered	Sent/Forwarded By
[Redacted]		Coming to sign PAP forms	26-Jul-2018 07:00	KROON,KELSEY
[Redacted]		Coming for Labs		
[Redacted]		Lab Results		

Notification Scheduling

Schedule	Patient	Message
02-Aug-2018 07:00	[Redacted]	Call Gilead to S...
15-Aug-2018 07:00	[Redacted]	Order Mavyret f...
02-Aug-2018 07:00	[Redacted]	Look for viral lo...
06-Aug-2018 07:00	[Redacted]	Patient needs 8...
08-Aug-2018 07:00	[Redacted]	Update Lab Re...
03-Aug-2018 07:00	[Redacted]	HCV RNA Res...

+ Add
- Delete
▲ Modify
Refresh
Close

Schedule a Notification on [Redacted]

Associate with [Redacted]

Deliver on: [Redacted] Priority: Low

Subject: [Redacted]

Recipients: KROON,KELSEY

Message: [Redacted]

OK Cancel

Legend

- Priority
- Low
- Medium
- High
- Info Only

Process

- All
- Selected
- Info Only
- Forward
- Delete
- Show All


EHR NOTIFICATIONS

Schedule for specific patient to be delivered on a certain time/date

Attach multiple recipients

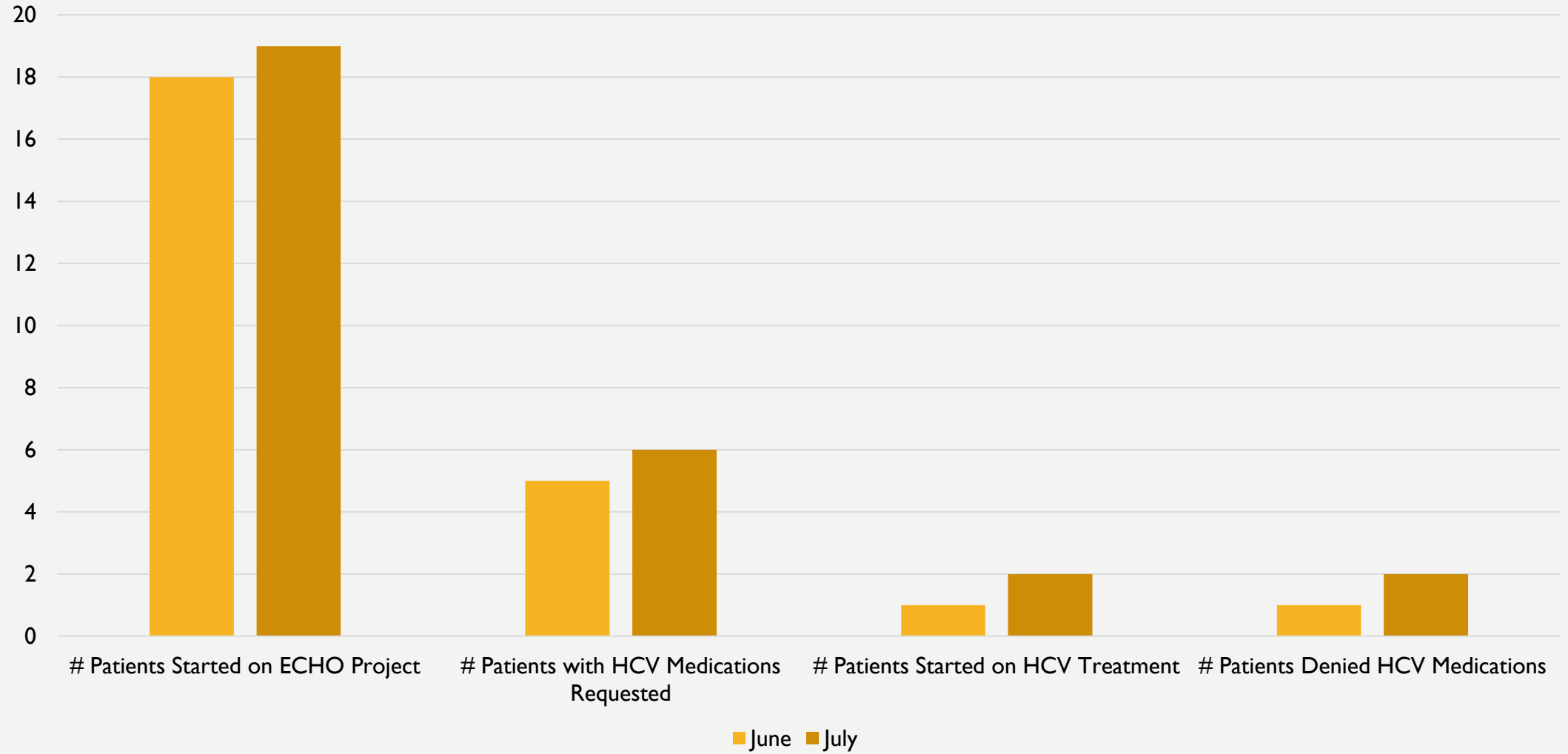
Mark priority

Comment section for notes

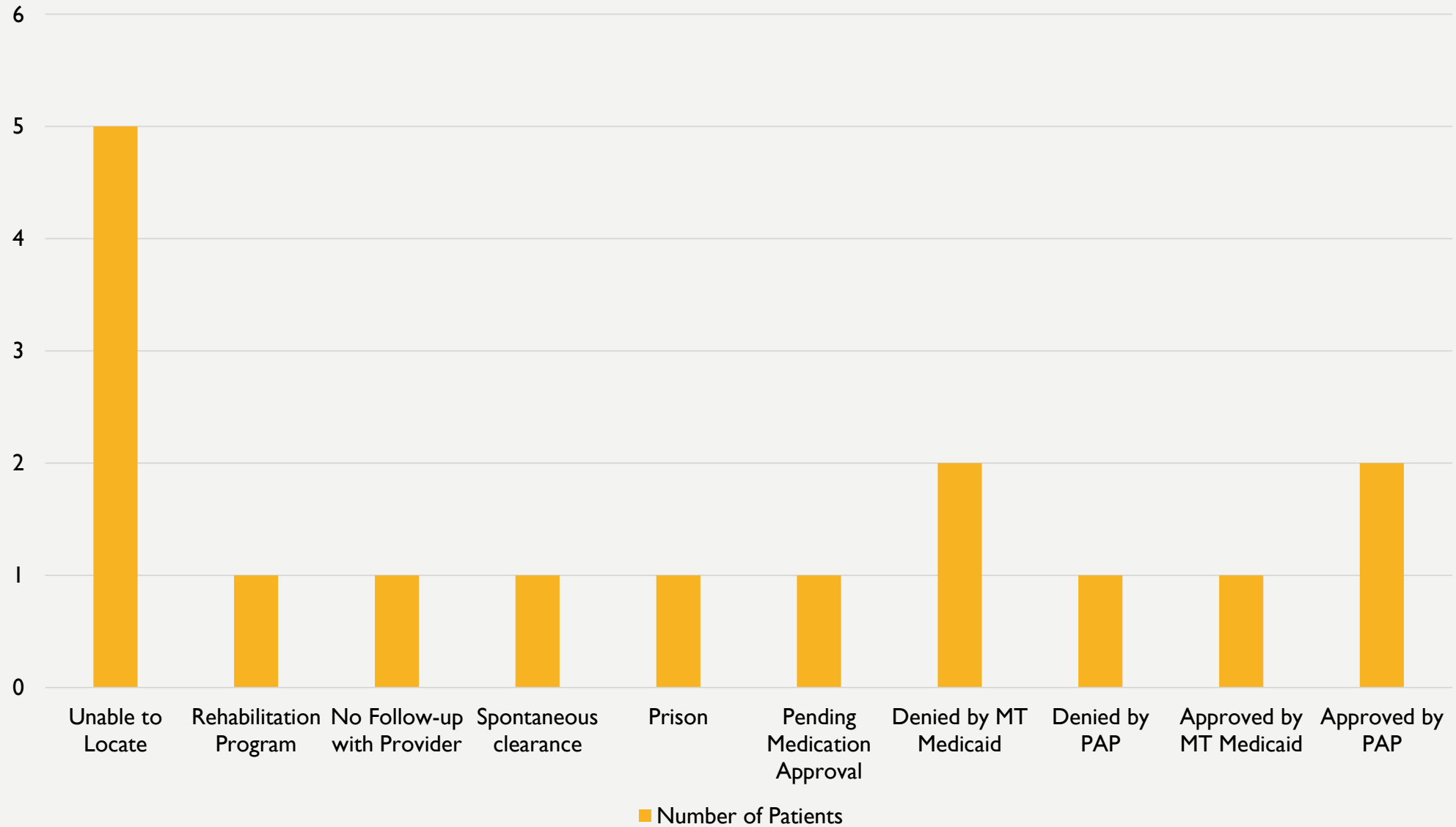


CURRENT STATUS


Patient Overview



Number of Patients



NEXT STEPS

- Hosting the Hepatitis C Clinical Training in Billings, MT
 - October 4-5th 2018
 - Work with facility to change screening reminder to patients 18 and older
 - Continue advocating for HCV patient care by working with MT Medicaid to revise readiness criteria
- 

SPECIAL THANKS

Jessica Leston , HCV/HIV/STI Clinical Programs Director
for the Northwest Portland Area Indian Health Board

Brigg Reilley, National HIV/AIDS Program

David Stephens, BSN, RN, Case Manager for the
Northwest Portland Area Indian Health Board

LT Neelam Gazarian, PharmD. USPHS MS
Pharmacology/Toxicology

LCDR Jonathan Owen, PharmD. USPHS.AE-C, CTTS

Bradley Moran, RPh, PharmD, Chief of Pharmacy, Fort
Peck Service Unit, Indian Health Service

CAPT Dean T. Goroski, PharmD. USPHS, BCPS,
Crow/Northern Cheyenne Service Unit

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 - 406-638-3478
- Angela Troutt
 - angela.troutt@ihs.gov
 - 406-638-3578

Evaluation and Certificates

- Please use the link or QR code below to complete the learner evaluation. This link will also be emailed to you within a few days. Please check your junk and spam email folders if you don't receive it.

<http://sgiz.mobi/s3/Aug-GP-ECHO>

