

Scaling community-clinic coordination and outreach: **Chronic disease management in Navajo Nation**

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COPE: An Introduction

E (Community Outreach & Patient Empowerment) Project began in 2009 & s a formal collaboration between the Brigham & Women's Hospital (BWH) & In Health (PIH), Navajo Nation Community Health Representative (CHR) Program, Indian Health Services (IHS).









PROGRAM AIMS

the ability of CHRs to promote the their community:

laskan Natives (Al/ANs) living with prevention and early diagnosis of

onditions affecting the Navajo ty and other AI/AN communities

PROGRAM ACTIVITIES

- · Standardized training for CHRs & CHR
- · Development of health promotion materials

- to enhance patient self-management
- · System-level changes for team-based care involving clinic- and community-based

caling a Successful Pilot Project

Outcomes among first 43 COPE patients in Gallup Service Unit

Outcome Measure	Pre-Period: 1 Year Prior to COPE		Post-Period: 1 year of COPE		Change*: Post - Pre
	Mean (sd)	Median Number of Measures	Mean (sd)	Median Number of Measures	Mean (sd)
HbA1c	10.5 (2.0)	3	9.5 (1.9)	3	- 0.9 (2.1)
Cholesterol	170 (46)	1.5	165 (37)	1	-10 (45)
LDL	95 (33)	1.5	90 (29)	1	-7 (40)

PE invited by local stakeholders to expand project throughout

s for scale-up identified:

adapted and updated materials based on new stakeholder input efforts to identify and collaborate with clinic-based providers

updates and amendments to formal agreements

ce of time and efforts to forge solid relationships with new CHR teams

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	2009	Initiate conversations with IHS, NNCHR; sign MOUs with stakeholders for project approval and launch				
I	2010	The state of the s				
I	2011					
2012		Expand to Fort Defiance, Chinle, Crownpoint; transition project in original service units to increased ownership by local team				
		Expand to Kayenta, Tuba City, Winslow/Dilkon; transition project in expansion service units to increased ownership by local team				
	2014	Transition entire project to local ownership; continue to partner with NNCHR and NNDOH for continued projects				

Approach: Stepped-Wedge Design & Expansion to 8 Service Units

Creating a Stepped-Wedge Design

A stepped-wedge project design allows COPE to

- 1) Provide focused accompaniment to each service unit during Phase 1 and Phase 2 (see below); efficient given limited staff; allows for stronger relationships between project staff &
- 2) Produce iterative adaptations of project deliverables (trainings, health education materials) through feedback from stakeholders and lessons learned:
- 3) Tailor implementation to match strengths and challenges of each service unit, especially regarding system-level changes to enhance clinic-community linkages;
- 4) Create project sustainability by transitioning ownership and coordination to each of the CHR teams; this critical phase requires significant active staffing and resources, and is not just a natural result of successful implementation

Phase 1: Preparatory Accompaniment

- Obtain buy-in from CHR and IHS stakeholders
- · Identify "champions," clarify roles/responsibilities of parties
- · Obtain formal agreements as needed
- · Pinpoint resources and challenges to implementation at each site

Phase 2: Intensive Accompaniment · Carry out CHR training

- Deliver COPF to clients
- · Strengthen inter-institutional coordination
- Solicit & incorporate ongoing feedback & evaluation

Phase 3: Supportive Accompaniment IHS & CHR programs take the lead on activities

- COPE helps to troubleshoot and strengthen partnerships
- Finalize "COPE deliverables" for expansion

Unique Challenges

Technical Challenges

- · IHS and Navajo Nation Division of Health track performance & health utilization data separately
- · CHRs do not yet have access to the IHS Electronic Health Record (EHR)
- · Certain teams that collaborate in one service unit may not work well together in another

Workforce Challenges

- · Workforce shortage, turnover and temporary hires (providers, CHRs, CHR supervisors,
- · Vacant positions and budget constraints
- · CHRs overburdened and unable to prioritize their own work

Outreach Challenges

- · Rural setting and geographic isolation of
- · Poverty and unemployment
- · Lack of basic services (running water. electricity) in many areas in Navajo Nation



Lessons Learned from Expansion

- 1) Identify a champion within the IHS system at each service unit; ensure that he/she and resources available to advocate for CHRs and facilitate institutional changes;
- 2) Allow ample time for "Preparatory Accompaniment": Schedule meetings to iden partners and understand the current system; introduce project to all teams that would working knowledge or regular updates on the project, even if not directly involved;
- 3) Scale-up process is different than initial pilot: The intervention is better defined. is greater, making it easier to establish upfront roles & expectations of stakeholders
- 4) Tailor the intervention to the unique assets of each site but maintain core elements 5) Plan ahead for internal expansion (including staffing, resources, strategic plan);
- 6) Establish expectations for reporting to internal and external stakeholders; report
- on project plans, strategic changes, and project timeline;
- 7) Identify resources in all areas of expertise: Government, clinical, informatics, com

Future Directions



The COPE Project will continue to partner with the Navajo Nation CHR (Program and Navajo Area IHS in order to:

- · Conduct COPE Program Evaluation to determine if COPE improves clinical outcomes & health utilization
- · Respond to community health worker needs (resources, training, technical s
- Pilot other initiatives to improve community-based care in Navajo Nation
- Adapt COPE education and training materials for national dissemination
- Provide leadership & training opportunities for Al/ANs & others pursuing car Al/AN health

Acknowledgements











