Indian Health Service

Mitigating Barriers to Revenue Cycle Management in the EHR - Part I

ADRIAN LUJAN, IHS OIT DAVID MADDIRALA, MD ANDY REGIEC, ENTERPRISE ARCHITECT TUESDAY, AUGUST 22, 2023





Revenue Cycle Management Adrian Lujan Federal Lead, Revenue Cycle Applications

Division of Information Technology, IHS OIT

Revenue Cycle Management (RCM)

RCM is the financial management of the patient care services provided by healthcare professionals, from patient registration and appointment scheduling to the final collection of payments for the services provided.



Revenue Cycle Management and Charge Capture





Charge Entry

Submission

B

Current Charge Capture Processes in IHS

- Many current processes are manual and leave room for error (and missed charge opportunities)
 - For inpatients, procedures are often documented but not (billable) supplies, so the biller has to review the inpatient stay in the EHR to find them
 - Similarly for durable equipment, such as crutches
 - Vaccine administration does not pass the NDC to billing, requiring manual research
- This session will look in detail at these processes, to identify opportunities for improvement, standardization, and to inform planning for new EHR configuration & training

Things to Think About in this Session

- What are your current processes for charge capture. What works and what doesn't?
- Does RPMS currently capture all charges? What mechanisms do you have in place to research the accuracy of charges in RPMS?
- Think about the time it takes to edit inpatient claims. How are charges captured and what is missing?
- How are late charges tracked and communicated to the biller?



WRAP and Business Process Modeling

David Maddirala, MI Andy Regiec August 2023

Transforming the way we deliver care begins with <u>realigning our</u> <u>processes</u>

Targeted configuration of unique high-risk, problem-prone, and high variability workflows



IMPROVING CARE DELIVERY

Seamless, consistent, rigorous processes across the field will drive efficiencies to deliver better care



ENHANCING PATIENT EXPERIENCE

Enhanced processes in telehealth, patient portal, and digital health applications expands our digital footprint and will enrich patient experiences and provide more seamless access to care

LEVERAGING DATA TO DRIVE OUTCOMES

Redesigned processes will improve data capture and data quality fostering innovative analytics to better understand our patient populations and drive improved outcomes

WRAP: From Challenges to Opportunities

With every challenge comes an opportunity

CHALLENGES



Mastery of the EHR by the User

Inefficient and disparate processes can present a challenge to initial and ongoing training and compromise EHR mastery



Configuring the EHR for the User

Lack of consistent, rigorous models that do not meet the needs of the user can negatively impact the adoption of the EHR



Listening to the User in Decision Making

Various clinical and business partners, dispersed across the country with unique needs, require consistent and deliberate engagement

OPPORTUNITY



Using the Models for Configuring, Testing, and Training Use of models will be continuous and iterative, lasting through the EHR implementation and optimization



Leveraging the Models for Vendor Collaboration

Comprehensive models based on SME engagement will help inform the EHR vendor's configuration efforts



Empowering the User Via Engagement

Through consistent and deliberate engagement with user, models will ensure confidence and ownership in the new technology and form a more personalized EHR experience

IHS Health Information Technology Modernization Preparation for Vendor

"Too often clinics believe workflow should only be assessed after a vendor product has been selected and just before the health IT is implemented."

- Agency for Healthcare Research and Quality (AHRQ)

By understanding workflows and preparing for changes to them throughout the planning and implementation process, an organization is better prepared for the workflow changes post-implementation.



Workflow Research Alignment Plan (WRAP) Overview

WRAP utilizes Business Process Modeling (BPM) to document shared best practice future-state workflows, supporting the configuration and implementation of the new EHR



FIELD ENGAGEMENT

Engage IHS, Tribal Health Programs, Urban Indian Organizations (I/T/U) clinicians, business, and technical experts



COMPREHENSIVE APPROACH

Select specific and complex service lines (e.g., Emergency Department, inpatient care, primary care)



PARTNERSHIP

Use models to inform improvement of current processes, new system build, and user training



How WRAP Helps Health IT Modernization

WRAP is an ecosystem of tools and methods that allow for...



ULTIMATELY ENHANCING PROVIDER-PATIENT INTERACTIONS

WRAP Summary



Prioritization and Categorization of Process Models

Models are prioritized based on 4 distinct criteria, and categorized into 22 service lines, of which 16 are in progress



Currently Identified Models

The individual status of the 80 models in scope are listed below (Service Line not listed)

Phase 1: Environmental Scan to collect internal and external information	Phase 2: Conceptual to form an overarching understanding of each process model	Phase 3: Design and Decide to map out the future state models with IHS SMEs	Phase 4: Quality Review to final check process models for clinical and technical accuracy	Phase 5: Approval to approve models for Governance review and shared with EHR vendor
 Admit to ICU from floor Admit to Surgery from floor Adult Follow up Visit Adult Sick Visit Allergies ICU Medication Management Imaging Immunizations Inpatient Medication Management Medications Pediatric Follow up Visit Pediatric Well Child Population Health Procedures Public Health Emergency Referral Management Surgery Medication Management Surgers Medication Management Swing Beds Transfer to another hospital from floor 	 Blood Bank Day Surgery, Post-op Inpatient Revenue Cycle Management Inpatient Surgery Pathology 	 Administration Medication and Dispensation Ambulatory Medication Management Behavioral Health Aide Chemistry / Hematology Day Surgery, Day of Surgery Day Surgery, Pre-op (Anesthesia) Drug Dependency Unit ED Boarding ED Observation ED Fast Track ED Transition of Care ED Transition Order Hospitalization Labor and Delivery Microbiology Outpatient Revenue Cycle Management Public Health Nurse Public Health Threat Postpartum Process Medication Order Recovery Post Labor and Delivery Refill Authorization Denial Resolve Adverse Drug Event Varuth Berigand Tractment Conters 	 Adult New Patient Community Health Representative Day Surgery, Pre-op Clinic Dental Health Aide Therapist Emergency Department Medication Management Emergency Department Point of Care Ultrasound (POCUS) Home Telemedicine Home with Assistance Telemedicine In Clinic Telehealth Inpatient RDN Screening and Consult Medication Review Remote Telehealth Remote Telehealth Substance Use Disorder, Primary Care 	 Advanced Practice Pharmacist Ambulatory Nutrition Buprenorphine Bridge Program, Emergency Department Community Health Aide Employee Health Exposure – Emergency Department Employee Health Exposure – Primary Care Employee Health Immunizations Employee Health Mass Wellness Group / School Nutrition Event Occupational Health Public Health / Community Nutrition Home Visit
		28. Youth Regional Treatment Centers		

WRAP by the Numbers

As of August 1, 2023



The Path Ahead with WRAP

WRAP lays the groundwork for configuration, training, implementation, and optimization of the new EHR



Today's exercise

- Design and Decide starting with a "Rose, thorn, and bud" exercise
- Exercise helps teams:
 - Define the central topic or problem
 - Brainstorm with your team to identify what is going well, what isn't working, and opportunities for improvement
 - Organize and identify themes across your feedback for further analysis
 - Get aligned in next steps
- Done over Mural, a virtual whiteboard for facilitating interactive meetings and workshops
- Part I Mural: MURAL





Indian Health Service Mitigating Barriers to Revenue Cycle Management in the EHR - Part II

DAVID MADDIRALA, MD ANDY REGIEC, ENTERPRISE ARCHITECT THURSDAY, AUGUST 24, 2023





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David Maddirala, MD Andy Regiec August 2023

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The Approach to WRAP

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WRAP Process Model Journey

WRAP has five distinct phases that is based on an iterative, agile methodology



Training & Onboarding



WRAP Pulse Check

WRAP by the Numbers

As of August 1, 2023

WRAP-related engagement with I/T/U SMEs across the country has been strong and steady



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Recap Session 1



Review and Verify – Charge Capture Model