

Acknowledgment

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The contents of this presentation are solely the responsibility of the authors and have not been approved by the Department of Health and Human Services, Centers for Medicare & Medicaid Services.

REMSA

Regional Emergency Medical Services Authority

- · REMSA Paramedic Ambulance Service
- 42 ambulances & 400 employees serving 6,000 square miles
 - Nationally accredited medical dispatch center, regional medical disaster coordination center, special events coverage
- Care Flight Medical Helicopter Service
 - o Three aircraft serving 40,000 square miles
- Extensive Investment in Community Service Programs
 - Largest community & professional medical training center in NV
 - $\circ\ \$ Specialized TEMS team supporting 3 local SWAT agencies
- \$39 million in community benefit in 2012
 Private non-profit serving Northern Nevada for 27 years
 - Nationally acclaimed for high performance, quality, innovation

Responding to our community's healthcare need

Health Care Innovation Award (HCIA)

- · Funded by Affordable Care Act
- REMSA awarded largest EMS grant, only urban EMS grant, only Nevada-based grants (in round one)
- Community Health Programs improve access to appropriate levels of quality care and reduce overall health care costs
- New health care personnel:
 - o Community Health Paramedics
 - o Nurse Navigators

CMS Innovation Center

"New models of care and payment that continuously improve health and healthcare for all Americans"

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Ambulance Transport Alternatives

- Advanced assessment by field personnel of 9-1-1 patients facilitating Alternative Pathways of Care including transport to:
 - · Urgent Care Centers
 - · Clinics/Medical Groups
 - Community Triage Center





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Community Paramedicine

Specially-trained Community Health Paramedics provide in-home services to improve the transition from hospital to home, including:

- o Medical care plan adherence
- o Medication reconciliation
- o Point of care lab tests
- o Personal health literacy





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Community Paramedicine

Current protocols/programs:

- o CHF
- o COPD
- o S/P MI
- o Evaluate & Refer
- o Hot Spotter





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Nurse Health Line 858-1000

Registered Nurses provide 24/7 medical guidance & triage patients to appropriate health care or community service:

- o Protocol-driven Assessment & Care Guidance
 - o Emergency Care Nurse System
- o Recommended Level of Care
 - On-line Directory of Services
- o 24-hour Phone Follow-up





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Nurse Health Line 858-1000

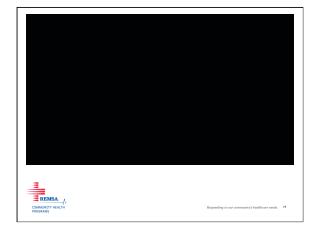
Two Ways to Access a Nurse Navigator:

- o Non-emergency number: 858-1000
- o Omega Protocol via 9-1-1 System

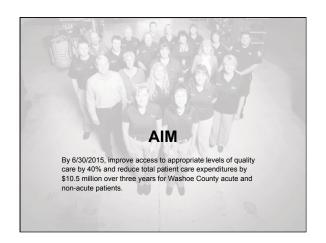
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Partners Critical to Success			
Health Care	Community	Data/Evaluation	Implementation
Northern Nevada Medical Center Renown Health Saint Mary's Reg Medical Center Urgent Care Centers, Clinics, Medical Groups WestCare Community Triage Center NNAMHS* & WestHills HAWC & Hopes FQHC	State EMS Office State Health Officer Washoe County Health District Senior & Community Groups Reno Fire Department Sparks Fire Department Truckee Meadows Fire Protection District	Federal CMS Innovation Center University of Nevada, Reno – School of Community Health Sciences Nevada Center for Health Statistics & Informatics RTI International – Independent Evaluator Health Insight – Readmission Data	First Watch — Automated Data Triggers / Reports KPS3 — Community Outreach / Marketing Priority Solutions Emergency Care Nurse System/Low Code ZOLL — Community Paramedic EMR True Simple — True Simple — Performance Improvement



Community Health Paramedics

- Jake Beck, NREMT-P
 Clinical Development Coordinator
- Katrina Travis, NREMT-P
- Patrick Reuther, BGS, NREMT-P Clinical Development & Data Coordinator
- · Justin Butcher, NREMT-P
- Dominic Polimeni, NREMT-P
- Jordan Carter, NREMT-P
- · Ryan Ramsdell, NREMT-P
- · Sabrina Peterman, NREMT-P



Nurse Navigators

- Lisa Lee, RN
 Nurse Navigator
 Clinical Development
 Coordinator
- Laurie Chenoweth, RN Nurse Navigator
- Hyun Chin, RN
 Nurse Navigator
- Gloria Connolly, RN Nurse Navigator
- REMSA. _______.

 COMMUNITY HEALTH
 PROGRAMS

- Shari Glas, RN Nurse Navigator
- June Hardy, RN Nurse Navigator
- Denise Krakowski, RN Nurse Navigator
- Suzanne Thun, RN
 Nurse Navigator
- Diane Wicklund, RN
 Nurse Navigator

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Community Health Programs

- Brenda Staffan, BA Project Director
- Brad Lee, MD, JD, MBA Medical Director
- Don Vonarx, BS IT Support
- Melissa Krall, LSW
 Community Outreach Coordinator
- Debi Kubiak
 Administrative Assistant
- Elaine Messerli, RN, BA
 Clinical Operations Manager
- Lisa Lee, RN
 Nurse Navigator
 Clinical Development Coordinator
- Jake Beck, NREMT-P
 Community Health Paramedic
 Clinical Development Coordinator
- Patrick Reuther, BGS, NREMT-P Community Health Paramedic Clinical Development & Data Coordinator

Executive Committee: Jim Gubbels, CEO; Pam Boe, CFO, Chris Watanabe, Vice President, Business Services; Bonnie Drinkwater, Esq., Compliance, Klark Staffan CAO

REMSA. A. COMMUNITY HEALTH

Responding to our community's healthcare needs. 16

Measures Committee

- Trudy Larson, MD Professor and Director, School of Community Health Sciences
 Professor, Department of Pediatrics, University of Nevada School of Medicine University of Nevada School of Medicine
- Wei Yang, MD, PhD
 Professor of Epidemiology & Biostatistics,
 School of Community Health Sciences
 Director, Nevada Center for Health Statistics
 & Informatics
 University of Nevada, Reno
- Chris Dugan, BS Graduate Research Assistant, School of Community Health Sciences University of Nevada, Reno

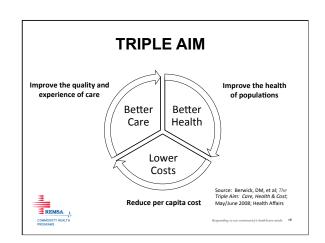
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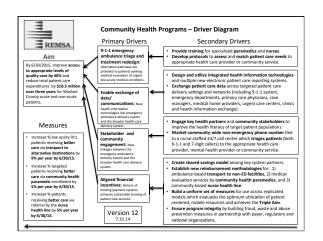
COMMUNITY HEALTH

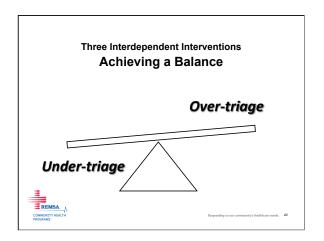
PROGRAMS

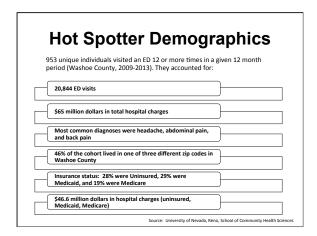
- Brad Lee, MD, JD, MBA Medical Director REMSA
- Brenda Staffan, BA
 Project Director
 DEMSA
- Elaine Messerli, RN, BA
 Clinical Operations Manager
 REMSA
- Patrick Reuther, BGS, NREMT-P Clinical Development & Data Coordinator REMSA
- Chris Watanabe, BA
 Vice President, Business Services
 REMSA

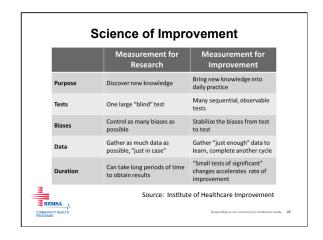
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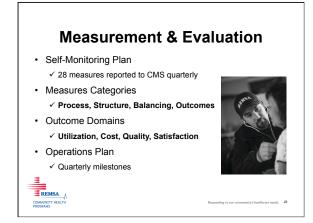


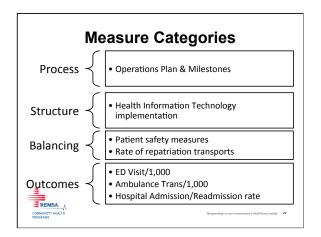


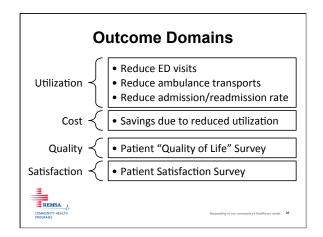


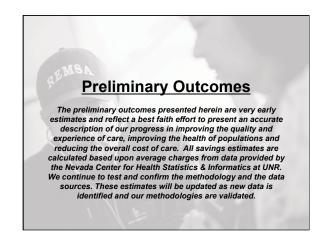


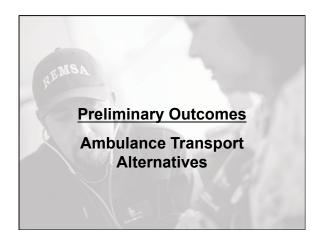


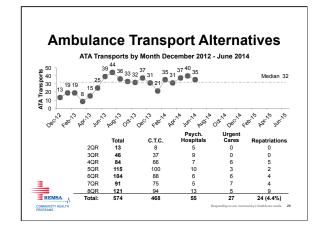


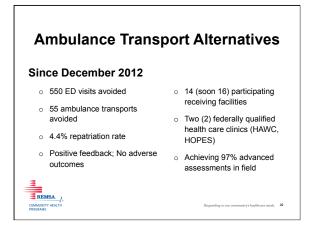


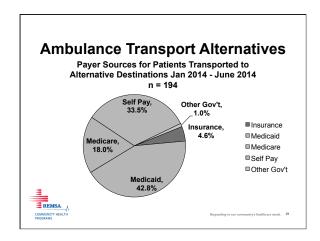


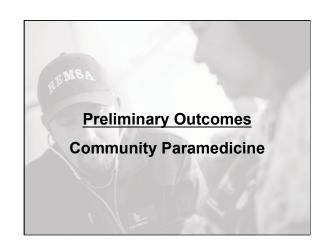


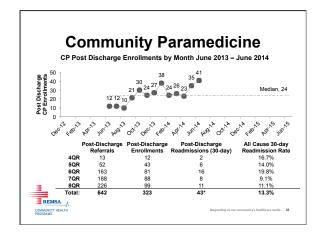


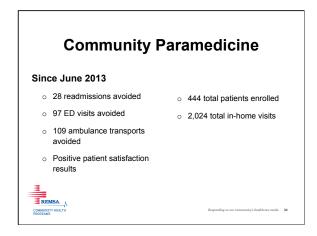


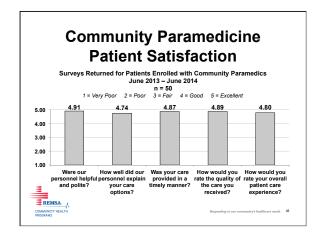




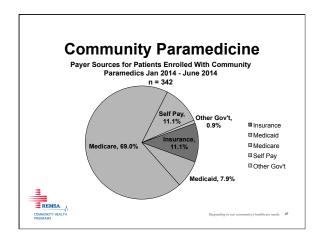


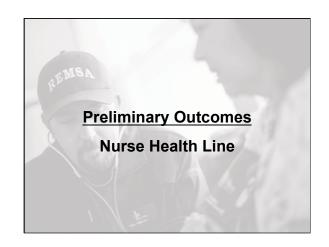


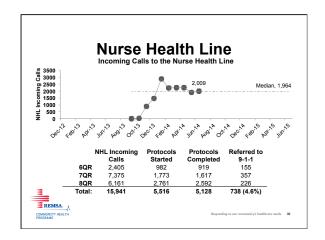


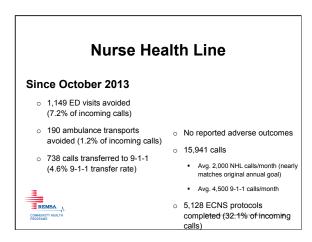


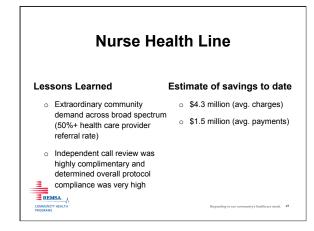
Community Paramedicine Lessons Learned CHPs can safely avoid hospital readmissions with high quality and satisfaction metrics Preliminary results show CHPs are having a positive effect on patient "quality of life" No reported adverse outcomes

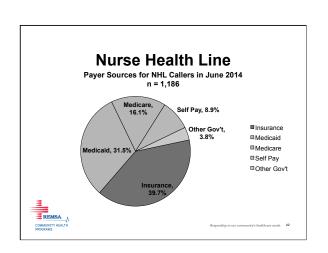












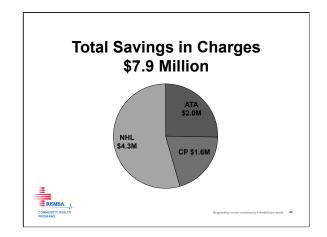
REMSA Community Health Programs Summary

Program to date (12/12 - 6/14):

- 1,795 ED Visits Avoided
- 354 Ambulance Transports
 Avoided
- 28 Readmissions Avoided

REMSA.

- 43,466 Contacts
 - o 70% of All Service Requests
- 15,941 NHL Calls
 - o Nearing 50% of All 9-1-1 Requests
- 2,024 CP Visits
 - o 3.5% of 9-1-1 Requests
- 574 Alt Transports
 - o 1% of All 9-1-1 Transports





Community Outreach Engage key health partners & community stakeholders

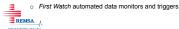
- Marketing includes television, Radio, Internet Banner Ads, Website
 - o 14 million+ total gross impressions program to date
 - o English and Spanish distribution
- · Convert stakeholders to partners
 - $_{\odot}\hspace{0.2cm}$ 100+ community presentations program to date
- Identified and targeted underserved populations
 - Direct mail NHL magnets to targeted zip codes
 - o Under-served/uninsured populations are highlighted in preliminary outcomes



Responding to our community's healthcare needs.

Health Information Technology New care pathways leveraged by information technology

- Enable exchange of data/communications to link EMS with health care delivery system
 - o Push to HealthIE Nevada; future push to EPIC via HL7 CDA
- Integrate health information technologies
 - $\circ \quad \textit{LowCode/ECNS} \text{ integrated with } \textit{Endpoints} \text{ Directory of Services, CAD \& EMD} \\$
 - o ZOLL Electronic Medical Record to be integrated with ZOLL billing system
- Build data collection, compilation and analysis capabilities
 - Self-monitoring Plan (daily, weekly, monthly, quarterly reporting)



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Aligned Financial Incentives Achieve sustainable funding, scale, replicate, spread

- · Achieve Sustainability
 - Build evidence-base
 - Secure contracts with new sources of revenue
 - o Reform government payment systems
- · Explore Shared Savings Model
- Ensure Program Integrity
- Scale, Replicate & Spread
 - Uniform measurement set
 - $\circ~$ Expand scale of REMSA interventions, replicate to other communities



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HCIA Next Steps

- 1. Independent Evaluation RTI International
- 2. Funding Ends June 30, 2015
- 3. HCIA National Summit October 2014
 - Sustaining Innovation; Expanding Innovation; Collaboration Across Health System Reform Initiatives
- 4. Report Final Program Outcomes
 - o Convert estimates from mean charges to payments avoided



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What has REMSA learned?

- EMS system in unique position to achieve Triple Aim
- REMSA program launch has achieved:
 - o New service volume growth
- o Positive patient satisfaction
- Reduced utilizatio
- o Quality and safety metrics
- $_{\odot}$ $\,$ Waiver for trans to alt destinations $_{\odot}$ $\,$ Progress on targeted savings
- REMSA is changing the expectations and behaviors:
 - o Public
- o Receiving facilities
- o Public safety partners

- o Patients
- Clinical partners
- o EMS personnel



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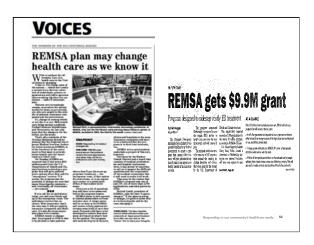
A word about Outcomes . . .

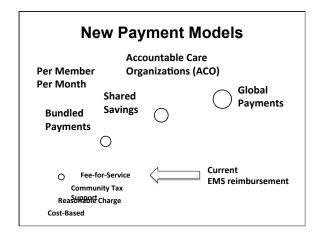


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Principles New Model of EMS Care and Payment

Balanced triage	Prudent layperson definition of emergency	
Patient-centered	Patient choice and informed consent	
Neutral Integration	Emergency care, primary care, mental health, social needs	
Stakeholder-engaged	Tailored strategies for clinical partners	
Payor-aligned	Referral to in-network care	
New health information technologies	Exchange of patient records and data	
Evidence-based	Use of new data analytics across all domains	





New Payment Models

REMSA's Community Health Programs will:

- 1. Improve 24/7 access to assessment, triage, referral
 - o Navigate patients to appropriate levels of care
- 2. Improve patient satisfaction scores & quality of care
- 3. Lower the total cost of care
 - o Reduce ED visits, amb transports, all-cause admissions, readmissions

Goal – Develop new payment models to preserve and sustain savings gained



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