## California Against Falls: Quarterly Webinar

July 22, 2016

https://global.gotomeeting.com/join/993091093

Dial: 1 (408) 650-3123

Access Code: 993-091-093

This project was supported, in part by grant number 90FP0018-01-01 from the U.S. Administration for Community Living, Department of Health and Human Services, Washington, D.C. 20201. Grantees undertaking projects under government sponsorship are encouraged to express freely their findings and conclusions. Points of view or opinions do not, therefore, necessarily represent official Administration for Community Living policy.



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### Agenda

- County Report Out
- Integrating STEADI into EMS systems
- STEADI sustainability
- Fall Prevention Awareness Day September 22<sup>nd</sup>



### **County Report Out**

- Workshop Progress
- Best Practices
- Lessons Learned through Year 1



Integrating STEADI into EMS Systems

**Anthony Ross** 





- What is STEAD!?
- Why is STEADI a good protocol for EMS?
- 3 case studies of integrating Falls Prevention into EMS protocols
- How to integrate STEADI into existing EMS protocols



## STEAD Stopping Elderly Accidents, Deaths & Injuries

#### & EMS

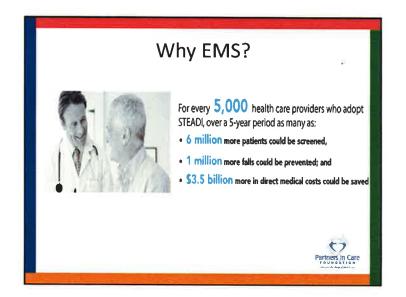
- 2 minute falls risk assessment developed with extensive input from medical professionals
  - Have you fallen in the past year?
  - Do you feel unsteady when you are standing or walking?
  - Are you worried about falling?
- CDC funded STEADI study in 3 statewide public healthcare systems (2016)
- CDC funded emergency department STEADI interventions (2015)



### Why STEADI?

- Uniform method for healthcare providers to share & access information
- Creates common language & measurements
- Easier to assess results & outcomes
- · Laying the groundwork for Electronic Record integration & billing





### **Case Studies**

- 2016 is the first year STEADI is being tested using EMS through nationwide grants
  - -Good News: We are on the cutting edge
  - Bad News: there aren't any studies of STEADI being implemented by EMS



#### **Case Studies**

- Picked three organizations that use EMS to provide Falls Prevention for a minimum of 1 year
  - A small township in Pennsylvania that created their own EMS intervention
  - A countywide program in North Carolina
  - A study of the State of Vermont



### North Huntingdon Township, PA

- 32 Square Miles Service area
- Part of Pittsburgh metropolitan area
- Serving over 30,000 people
- Population density 1,000 per square mile
- North Huntingdon EMS/Rescue is made up of a combination of volunteers & 21 staff members



### North Huntingdon Township, PA

- In 2009, an EMT with 31 years experience researched patient charting software to determine 20% of call volume was falls-related
- Formed a committee with people who had pre-existing relationships with NH EMS
- Committee created an algorithm to identify patients at high risk for falls



### North Huntingdon, PA

- Coalition Building: sought out new relationships with like-minded organizations
- Sought out 20-30 patients to create a preventative paramedicine system to address falls
- 6 months of testing to create a functioning system
- Took 2.5 years before first assessment was complete
- Today NH EMS does 5-6 assessments per month with an annual budget of \$7,000 – some grants, but mostly fundraisers



### Orange County, North Carolina

- 401 Square Miles
- Part of the Raleigh Durham Chapel Hill metropolitan area (Home of UNC Chapel Hill)
- Serving over 133,000
- Population density 296 per square mile
- All six paramedic squads of Orange County
   Emergency Services participate in Falls Prevention



### Orange County, NC

- Passion Player was a UNC Hospital Occupational Therapist who's interest was sparked while reviewing CDC guidelines for falls assessments
- Emergency Services did data analysis using patient reporting software
- Using CDC protocol and Department of Aging Master plan, a coalition was created with EMS, OC Department of Aging and UNC Hospital.



### Orange County, NC

#### **Three Coalition Goals:**

- 1. System needs to be easily replicated
- 2. Create ways to measure performance
- 3. Create mechanisms for follow-up and tracking long-term outcomes



### Orange County, NC

- Masters of Public Health student created a WebEOC intervention using the CDC guidelines
- 7-8 months before the first assessment was performed
- EMS Passion Players knocked on patient doors to find willing participants
- Took 2.5 years to complete the first 27 assessments



#### State of Vermont

- 9,616 Square miles
- 626,000 people (2<sup>nd</sup> least populated state)
- Population density is 68 people per sq. mile
- All 13 EMS districts are participating in a twoyear grant to reduce falls by 10% funded by National Administration on Community Living



### Orange County, NC

- Today, EMS does 10-12 assessments per month
- Within two years of implementation, 90% of patients who received an assessment did not call EMS again for a falls-related incident
- Implementation time per month
  - 100 hours to screen/conduct calls
  - 30 hours to do the falls assessments
  - 30 hours of administrative time



### State of Vermont

#### **Two-Year Grant Goals:**

- Complete FallScape assessments with 1000 (unduplicated) adults age 50 & over
- Decrease number of repeat falls by 10%
- Secure a sustainable funding mechanism



#### State of Vermont

- Referrals
  - EMS squads conducted an assessment of current relationships to find other referral sources for patients
- Outreach and Engagement
  - Conducted Falls Prevention Workshop/presentation at older adult sites
  - Press releases to media included highlights from Falls Prevention month
  - Potential participants needed to hear about falls prevention through multiple channels before engaging



"Lessons Learned from Implementing CDC's STEADI Falls Prevention Algorithm in Primary Care" (2016)

- Practical application of STEADI in a large Internal Medicine Clinic
  - Developed a workflow that did not disrupt the clinic
  - Integrated the STEADI algorithm into EHR system Epic
  - Champions pilot tested the workflow and EHR tools using 56 patients over several months
  - 1 hour lunch trainings for providers/medical assistants
  - Screened 360 patients in the first three months



#### **Best Practices**

- Start slowly
- · Passion Players are necessary to initiate change
- Building a coalition creates a think tank of multidisciplinary service providers focused on developing fall prevention strategies
- Support of the program is dependent on active participation and feedback from all involved



"Lessons Learned from Implementing CDC's STEADI Falls Prevention Algorithm in Primary Care" (2016)

#### KEYS TO SUCCESSFUL IMPLEMENTATION

- Development of electronic health record tools & workflow to guide clinical practice
- Proactive leadership of clinical champions within the practice to identify and respond to barriers



"Lessons Learned from Implementing CDC's STEADI Falls Prevention Algorithm in Primary Care" (2016)

#### **KOTTER FRAMEWORK**

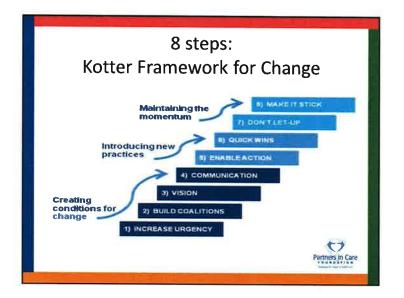
- Developed in 1995 as an 8-step process for organizational change used in various healthcare initiatives
- Focuses on the process of practice change and integration of a new protocol (like STEADI) into an existing structure



### **STEADI Sustainability**

- Identify opportunities with existing partners/coalitions/workgroups
- Identify your champion(s)!
- · Create a collaborative vision
- Develop a <u>SMART</u> GOAL (Specific, Measurable, Achievable, Realistic, Time-Oriented)
- Identify your measures how will you know that a change occurred?
- · Monitor progress and adjust as needed





#### **STEADI Series**

- Part 1: Integrating STEADI into EMS Systems
- Part 2: Q&A with EMS Systems (August)
- Part 3: Take Action! Fall Prevention Awareness Day (September)





