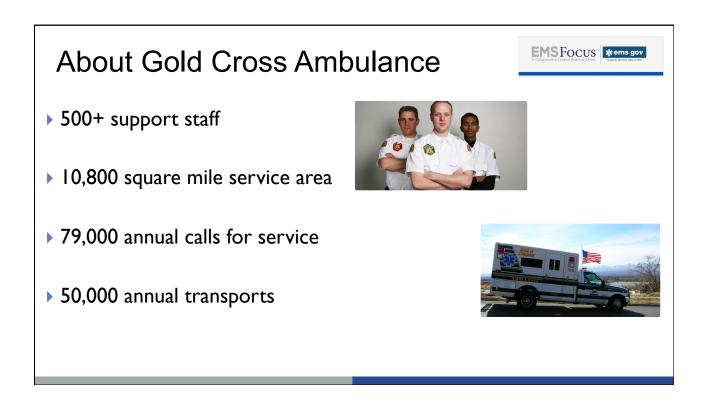
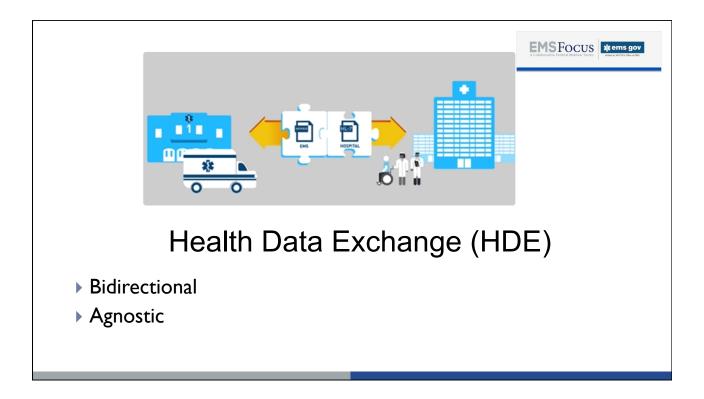


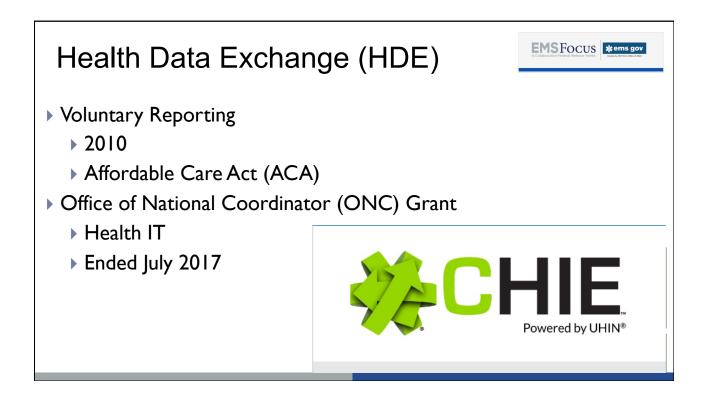
Brooke Burton, NRP, FACPE

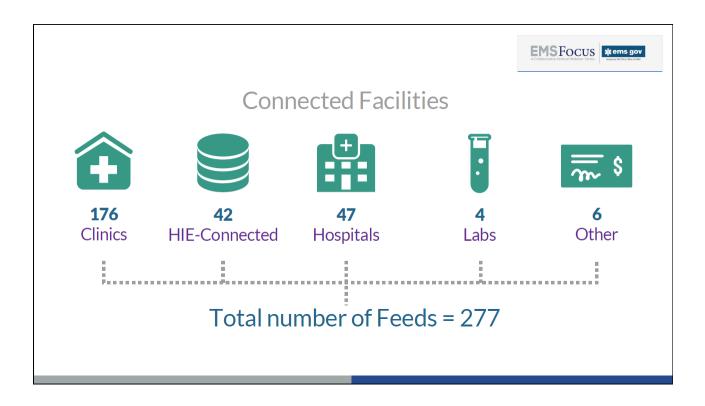
Quality Director Gold Cross Ambulance, Salt Lake City, Utah

EMSFocus











| | Outo | comes | |
|--|---|--|----|
| INCIDENT GENDER Male AGE 70 Years SCENE GENDER | VE. | CHIE Powered by UHIN® | С. |
| DISPATCH ON SCENE AT PATIENT | EMS IMPRESSIONS EMD CARD NUMBER/ DISPATCH NATURE | 17D04 / Falls | Ê |
| AT DEST CLOSE View ePCR | PRIMARY IMPRESSION SECONDARY IMPRESSION ED DISCHARGE DIAGNOSIS | Injury Back Pain Sepsis, unspecified organism @ 16:32 | |
| View Outcome | DISPOSITION | Discharged/transferred to skilled nursing facility (SNF) @ 16:32 | |

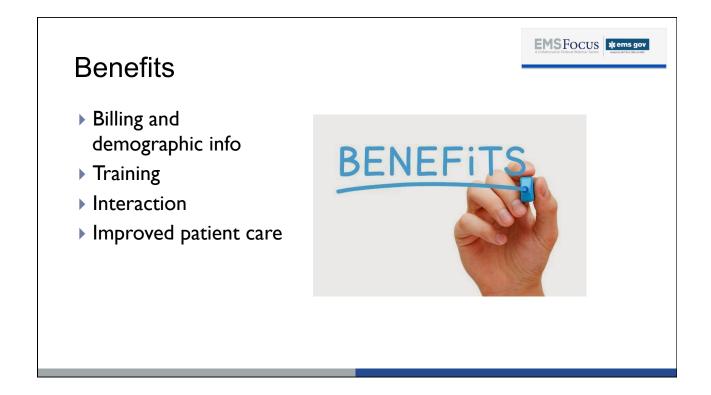
| ICIDENT | | CODE | DIAGNOSIS | |
|------------|----|--------|----------------------------------|--------|
| ENDER Male | ED | A41.9 | Sepsis, unspecified organism | |
| CENE | ED | K86.9 | Disease of pancreas, unspecified | Уг |
| LEAD | • | R09.02 | Hypoxemia | |
| DISPATCH | ED | 195.9 | Hypotension, unspecified | Ê |
| DN SCENE | | | | |
| | | | | |
| View ePCR | 2 | | | |

| A | eso Malyrics HDE - Di | agnosi | is com | pariso | n - se | psis | | | | | |
|----|--------------------------------------|--------|--------|--------|--------|---------|------|--------|------|--------|-----|
| | | | | | | | | | | | |
| łF | Abdominal Pain | | | | | 14.30% | 20% | 16.70% | | | 8 |
| | Acute Respiratory Distress (Dyspnea) | | | | | 57.10% | | | 50% | 36.40% | 24 |
| ; | Altered Mental Status | | | | 50% | | 20% | 16.70% | 50% | | 11 |
| | Burn | | | 50% | | | | | | | 3 |
| | Fever | | | | | | 20% | | | 18.20% | 8 |
| | Gastrointestinal hemorrhage | | | | | | | | | 9.10% | 3 |
| | Generalized Weakness | | | | | | 20% | 33.30% | | 9.10% | 11 |
| | Hemorrhage | | | | | | | 16.70% | | 0.01 | 3 |
| | Hypotension | | | 50% | | | | | | 9% | 3 |
| | Injury Mental disorder | | | 50% | | 14.30% | | | | | 3 |
| | Pain (Non-Traumatic) | | | | | 14.30% | | | | | 3 |
| | Poisoning / Drug Ingestion | | 100% | | | 14.0070 | | | | | 3 |
| | Respiratory Failure | 100% | | | | | | | | | 3 |
| | Sepsis/Septicemia | | | | 50% | | 20% | 16.70% | | 9.10% | 11 |
| | Substance abuse | | | | | | | | | 9.10% | 3 |
| | Total | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100 |

| rimary Diag | nosis from | Emergen | cy Department | | | | | | |
|------------------------|----------------------|------------------------|---------------------|----------------|--------------------------------------|--------------------------|--------------------|---|-------------|
| aency Login 1 | acident Num | - bincident Da | tal Chart Nieported | l Card Nu | n EMS Primary Impression | EMS Secondary Impression | hief Comp ICD10 Co | ED Diagnosis | engthOfStav |
| GOLDCROSS | 17021724 | 4/8/2017 | 000166355 | 17A | Generalized Weakness | | I48.91 | Unspecified atrial fibrillation | 24018 |
| GOLDCROSS | 17022047 | 4/10/2017 | 21237044 | 21D04M | Generalized Weakness | Hypotension | R55 | Syncope and collapse | 1979 |
| GOLDCROSS | 17022207 | 4/11/2017 | 12605358 | 37C07 | Injury | | S52.021B | Displaced fracture of olecranon proce | 14821 |
| GOLDCROSS | 17022286 | 4/11/2017 | 11025095 | 31D03 | Syncope / Fainting | | R19.7 | Diarrhea, unspecified | |
| GOLDCROSS | 17022449 | 4/12/2017 | | 37C07S | Pneumonia | | Z45.02 | Encounter for adjustment and manage | 44 |
| GOLDCROSS | 17022500 | 4/12/2017 | 10471522 | 12A01E | Seizures | | G40.309 | Generalized idiopathic epilepsy and ej | |
| GOLDCROSS | 17022650 | 4/13/2017 | 10682847 | 26001 | Generalized Weakness | | | FAILURE TO THRIVE | |
| GOLDCROSS | 17023016 | | 13348750 | 37A02 | Abdominal Pain | Nausea | R11.0 | Nausea | |
| GOLDCROSS | 17023035 | | | 31A01 | Generalized Weakness | | R55 | Syncope and collapse | 153 |
| GOLDCROSS | 17023078 | 4/15/2017 | | 26 | Abdominal Pain | | K85.91 | Acute pancreatitis with uninfected nec | |
| GOLDCROSS | 17023332 | 4/16/2017 | | 37A | Back Pain | | Z51.89 | Encounter for other specified aftercar | |
| GOLDCROSS | 17023350 | 4/16/2017 | 20947909 | 31C02 | Syncope / Fainting | | 345.41 | Moderate persistent asthma with (acu | |
| GOLDCROSS | 17023423 | 4/16/2017 | | 29D02P | Injury | | E10.65 | Type 1 diabetes mellitus with hypergly | |
| GOLDCROSS | 17023455 | 4/16/2017 | | 06C01 | Acute Respiratory Distress (Dyspnea) | | 345.40 | Moderate persistent asthma, uncompl | |
| GOLDCROSS | 17023529 | 4/17/2017 | | 26A01 | Abdominal Pain | | R10.13 | Epigastric pain | 319 |
| GOLDCROSS | 17023636 | | 21238720 | 7 | Burn | | | Chemical Burns | 5152 |
| GOLDCROSS | 17023683 | | 000859716 | 13C02 | Diabetic Hypoglycemia | | E16.2 | HYPOGLYCEMIA, UNSPECIFIED | 130 |
| GOLDCROSS | 17023683 | 4/18/2017 | | 13C02 | Diabetic Hypoglycemia | | | LOW BLOOD SUGAR | 130 |
| GOLDCROSS | 17023718 | 4/18/2017 | | 26A07 | Generalized Weakness | | R53.83 | Other fatigue | 132 |
| GOLDCROSS | 17023874 | 4/18/2017 | | 05A01 | Back Pain | | M54.5 | Low back pain | 915 |
| GOLDCROSS | 17024148 | 4/19/2017 | | 17A02 | Pain (Non-Traumatic) | | J96.01 | Acute respiratory failure with hypoxia | |
| SOLDCROSS | 17024186 | 4/20/2017 | | 37C07S | Abdominal Pain | Dehydration | K85.00 | Idiopathic acute pancreatitis without r | 4857 |
| GOLDCROSS | 17024542 | 4/21/2017 4/22/2017 | | 26D01 | Mental disorder | Alcohol use | M25.512 | Pain in left shoulder | |
| GOLDCROSS | 17024621 | 4/22/2017 4/22/2017 | | 37A02 | Mental disorder | | F33.2 | MAJOR DEPRESSV DISORDER, RECUI | 7542 |
| GOLDCROSS GOLDCROSS | 17024621 17024944 | 4/22/2017 4/23/2017 | | 37A02 12B01 | Mental disorder Seizures | Altered Mental Status | F32.9 G40.909 | MAJOR DEPRESSIVE DISORDER, SIN | 7542 372 |
| GOLDEROSS | 17024944 | | 500865222 | 12801 | Seizures | Altered Mental Status | 640.909 | EPILEPSY, UNSP, NOT INTRACTABLE, SEIZURE | 372 |
| GOLDCROSS | 17024944 | 4/23/2017 | | 33A01T | Stroke | Altered Mental Status | C79.31 | Secondary malignant neoplasm of bra | 1672 |
| GOLDCROSS | 17025102 | 4/24/2017 | | 12801 | Seizures | | R56.9 | Unspecified convulsions | 264 |
| GOLDCROSS | 17025132 | | 21034336 | 37A01 | Labor and delivery complications | | 042.919 | Preterm premature rupture of membr | 204 |
| GOLDEROSS | 17025289 | 4/25/2017 | | 23C021 | Pain (Non-Traumatic) | | 103.113 | Cellulitis of right upper limb | 5804 |
| GOLDCROSS | 17025506 | 4/26/2017 | | 17B01G | Injury | | 139 | Fall | 5004 |
| GOLDCROSS | 17025570 | | 501237198 | 37A01 | Abdominal Pain | | C54.1 | Malignant neoplasm of endometrium | 3346 |
| GOLDCROSS | 17025571 | 4/26/2017 | 20204075 | 13C01 | Diabetic Hyperolycemia | Generalized Weakness | 160285 | Hyperglycemia | 5540 |
| GOLDCROSS | 17025647 | 4/26/2017 | 20385107 | 24 | Pregnancy related conditions | Generalized Weakness | 042.919 | Preterm premature rupture of membr | |
| GOLDCROSS | 17025705 | 4/26/2017 | 21235561 | 6 | Cardiac arrhythmia/dysrhythmia | | 150.9 | Heart failure, unspecified | |

| PivotTable Names PivotTable1 | : Active Field: Count of ED Diagr Field Settings | | Insert Insert Filter Slicer Timeline Connections | Refresh Change Data | Clear ▼ ER Select ▼ ER Move PivotTable | Ike Fields, Items, & Sets ▼ Ike Fields, Items, & Sets ▼ | Pi |
|------------------------------|--|-------------------------------------|---|---------------------------|--|---|----|
| PivotTable | Active Field | Group | Filter | Data | Actions | Calculations | |
| | | | | | | | |
| B6 | $$: $\times \checkmark f_x$ | 2 | | | | | |
| | | А | | | В | С | |
| 1 EMS Prima | ry Impression | | | Gener | alized Weakness 🔳 | | |
| 2 | | | | | | | |
| 3 Count of ED | | | | | | | |
| 4 ED Diagnos | | | | Total | | | |
| 5 Abdominal F | | | | | 1 | | |
| | y failure, unspecified | | | | 2 | | |
| 7 Back Pain | | | | | 1 | | |
| 8 Calculus of | kidney | | | | 1 | | |
| | ney disease, stage 1 | | | | 1 | | |
| 10 Chronic pair | | | | | 1 | | |
| 11 Dizziness a | | | | | 3 | | |
| | athy, unspecified | | | | 1 | | |
| | | other gastrointestinal appliance | and device | | 1 | | |
| 14 Encounter fe | or screening for respiratory | tuberculosis | | | 1 | | |
| 15 FAILURE TO | | | | | 1 | | |
| | e level, unspecified, initial | encounter | | | 1 | | |
| | eoplasm of parietal lobe | | | | 1 | | |
| | n vomiting, unspecified | | | | 2 | | |
| 19 Other fatigu | | | | | 2 | | |
| | | er gastrointestinal prosthetic devi | ces, implants and grafts, initial | encounter | 2 | | |
| 21 Other speci | | | | | 1 | | |
| | fied disorders of teeth and | supporting structures | | | 1 | | |
| 23 Shortness of | | | | | 1 | | |
| | OLVING OTH CORONARY | ARTERY OF I | | | 1 | | |
| 25 Syncope an | | | | | 4 | | |
| | a, unspecified | | | | 1 | | |

| | | | Coldbourber Federal Workhaus Series Acceleration Series |
|--|--|--|---|
| INCIDENT GENDER Female AGE 50 Years SCENE LEAD | | CHIE Powered by UHIN* | - |
| DISPATCH ON SCENE AT PATIENT AT DEST | EMS IMPRESSIONS EMD CARD NUMBER/ DISPATCH NATURE PRIMARY IMPRESSION ED DISCHARGE | 37C06S / Stroke/CVA Stroke | |
| | DIAGNOSIS DISPOSITION HOSPITAL DISCHARGE | Tingling/Numbness not available | |
| View ePCR View Outcome | DIAGNOSIS | Conversion disorder with motor symptom or deficit @ 11:30 Discharged to home or self care (routine discharge) @ 11:30 | |
| | | | |

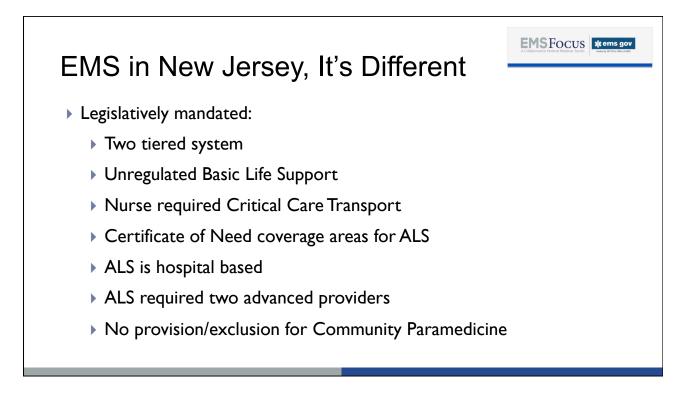


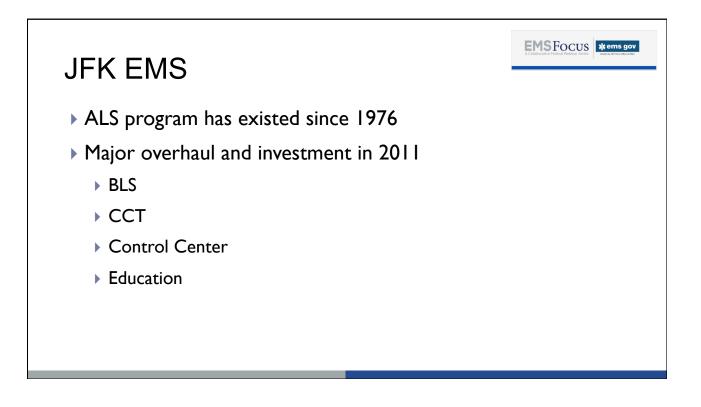
The Rapid Emergency Medical Score (REMS) and EMS Showing Value in High-Quality Clinical Care

Jamie Chebra, MS, NRP

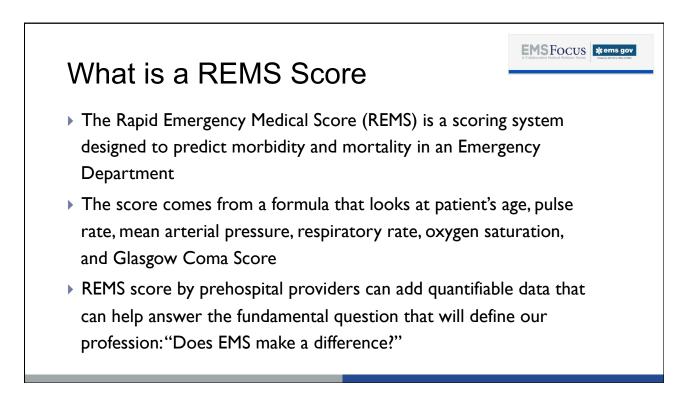
Director of EMS JFK Medical Center, Edison, New Jersey

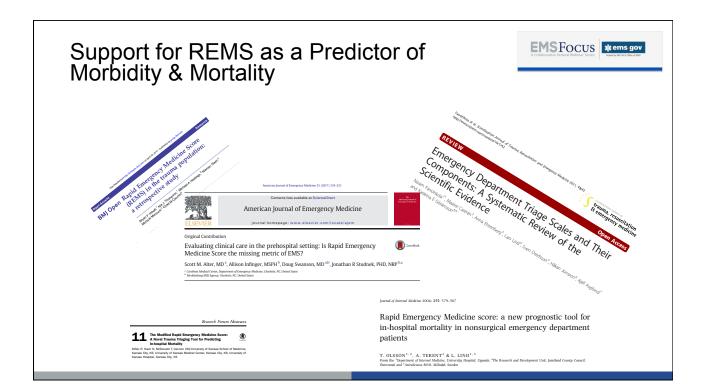
EMSFocus

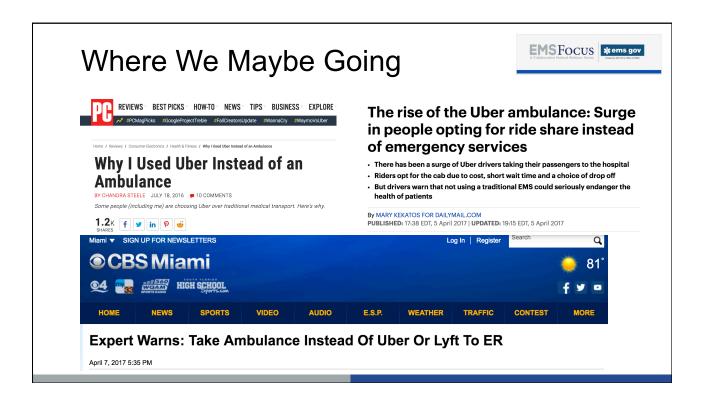




Concept Show empirical, quantifiable data that the care that EMS provides in the prehospital environment impacts patient coordination and Length of Stay (LOS) Enhance the concept of Access, Quality and Cost (IHI Triple Aim) Establish a platform to show value in EMS, in \$ Create a defensible position for EMS funding in the competitive reimbursement arena

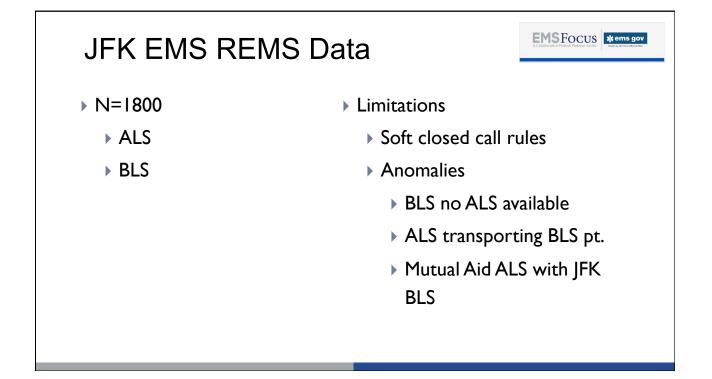






JFK EMS and the REMS Score- Methodology

- JFK EMS, in pursuit of quantifying the the benefit of prehospital care, began tracking REMS scores in September of 2015
- REMS score are calculated by a retrospective EPCR report custom built by Zoll
- > All staff (ALS and BLS) trained on use of the score in ePCR
 - > All transported patients on first and last set of vital signs
 - Soft closed call rule as reminder to complete REMS score
- REMS calculated for all service lines (ALS, BLS, SCTU)
 - Yes, JFK BLS carry Pulse Ox



| Nature | Dispatched Cases | Treated ALS | Pt with positive REMS changes | LOS comparison | Nov 2017 to May 201 Non- risk adjusted Calls meeting criteria |
|----------------|---------------------|-------------|----------------------------------|----------------|---|
| Sepsis related | 476 | 329 | 299 | (2.58) days | |
| Diff Breathing | 883 | 641 | 598 | (1.27) days | |
| Chest Pain | 791 | 443 | 388 | (0.78) days | |

