



Howard County CARES Pilot Program

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Howard County, Maryland

Fire/EMS

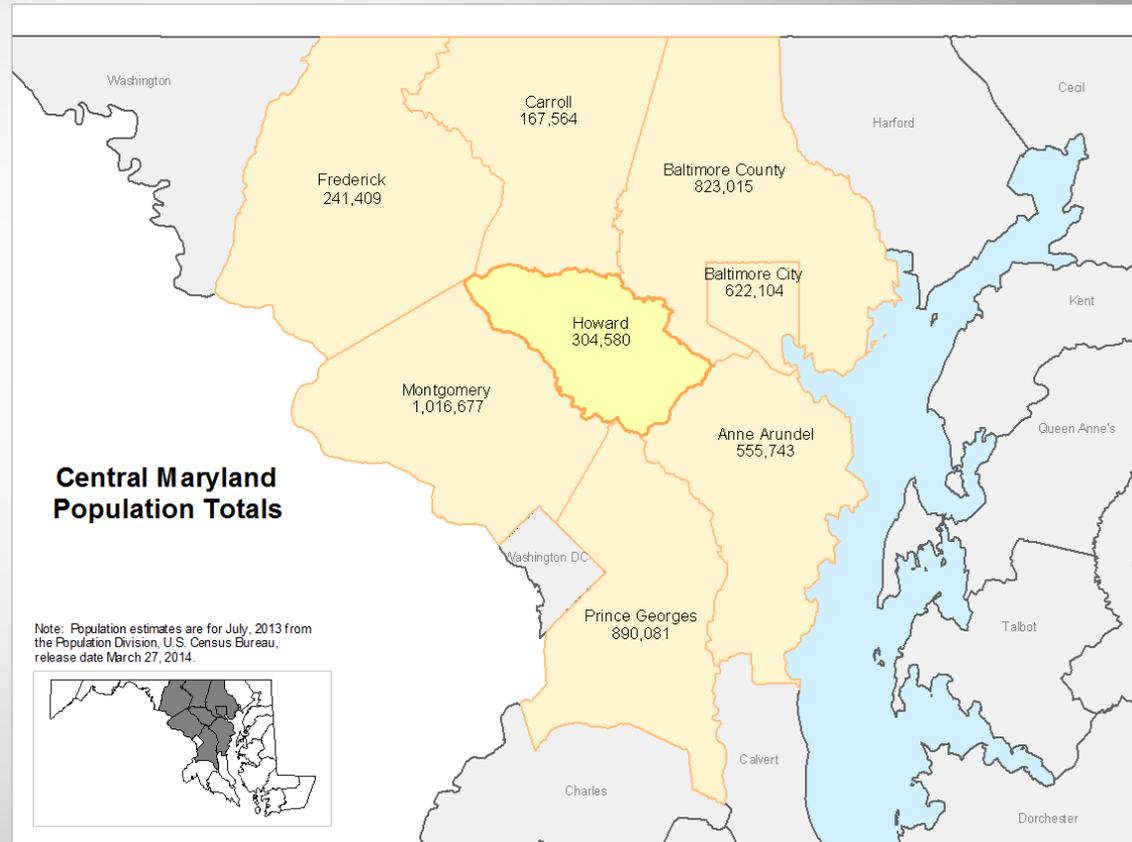
- **900** career & volunteer providers
- **12** stations

Population

- **304,580**

Cardiac Arrest

- **292** arrests annually
- **165** resuscitations



Data Tracking in Howard County



eMeds Direct Transfer to CARES

Cardiac Arrest-CARES STEMI Transport Narrative Billing AMA TOR/POD Signatures

Dispatch Info Call Conditions Patient Info History Assessment Vitals/Treatment Injury/Trauma

Part C : Arrest Information

Arrest Witnessed? (CARES-19) Cardiac Arrest? (CARES-20) Presumed Cardiac Arrest Etiology (CARES-21)

*Arrest Prior to EMS Arrival

Other, (please explain) [Cardiac Arrest Etiology - CARES]

Resuscitation Information

Resuscitation Attempted By 911 Responder (or AED Shock given prior to EMS Arrival) (CARES-22) *What type of resuscitation was attempted by EMS? Who Initiated CPR? (CARES-23)

Was an AED applied PRIOR to arrival of Transporting EMS Unit? (CARES-26) Who First Applied AED? (CARES-27) Who First Defibrillated Patient? (CARES-28)

*Pre-EMS AED *Pre-EMS AED ROSC with Defib? *Minutes CPR Prior to ALS

First Cardiac Arrest Rhythm of Patient and ROSC Information

First Arrest Rhythm of Patient (CARES-30) *Any Return of Circulation Was hypothermia care provided in the field? (CARES-32) End of Event (CARES-33)

Home Setup eCares Reports Log Out

CARES
Cardiac Arrest Registry
to Enhance Survival

Part A : Demographic Information

1 - Street Address (Where Arrest Occurred) 3 - State 4a - Zip Code 4b - County

2 - City 5 - First Name 6 - Last Name

7 - Age 9 - Date of Birth 10 - Gender 11 - Race/Ethnicity

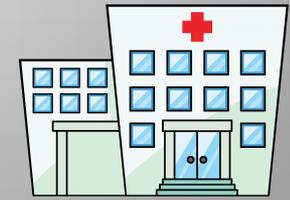
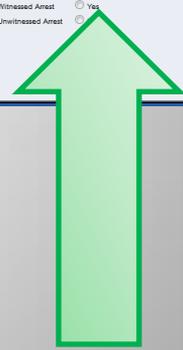
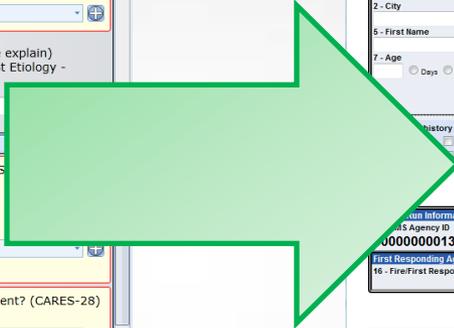
12 - Medical History

13 - Agency Information 14 - Date of Arrest 15 - Incident #

16 - Fire/First Responder 17 - Destination Hospital

Part C : Arrest Information

18 - Location Type 19 - Arrest Witnessed/20 - Arrest After Arrival of 911 Responder/21 - Presumed Cardiac Arrest Etiology



Pilot Goals:

Ensuring Quality Data and Ease of Use

- eMeds Wording
- eMeds Validation
- Internal QA
- External Audit



Pilot Goals:

Ensuring Quality Data and Ease of Use

✓ eMeds Wording

23 - Who Initiated CPR

- Not Applicable
- Lay Person
- Lay Person Family Member
- Lay Person Medical Provider
- First Responder (non-transport provider)
- Responding EMS Personnel



Who Initiated CPR? (CARES-23)

- Lay Person
- Lay Person Family Member
- Lay Person Medical Provider
- Non-Transporting Fire/EMS Unit
- Law Enforcement
- EMS (Transporting Unit Personnel)
- Not Applicable

Pilot Goals:

Ensuring Quality Data and Ease of Use

- ✓ eMeds Wording
- ✓ eMeds Validation

Was an AED applied PRIOR to arrival of
Transporting EMS Unit? (CARES-26)

Yes, with Defibrillation



Who First Applied AED? (CARES-27)

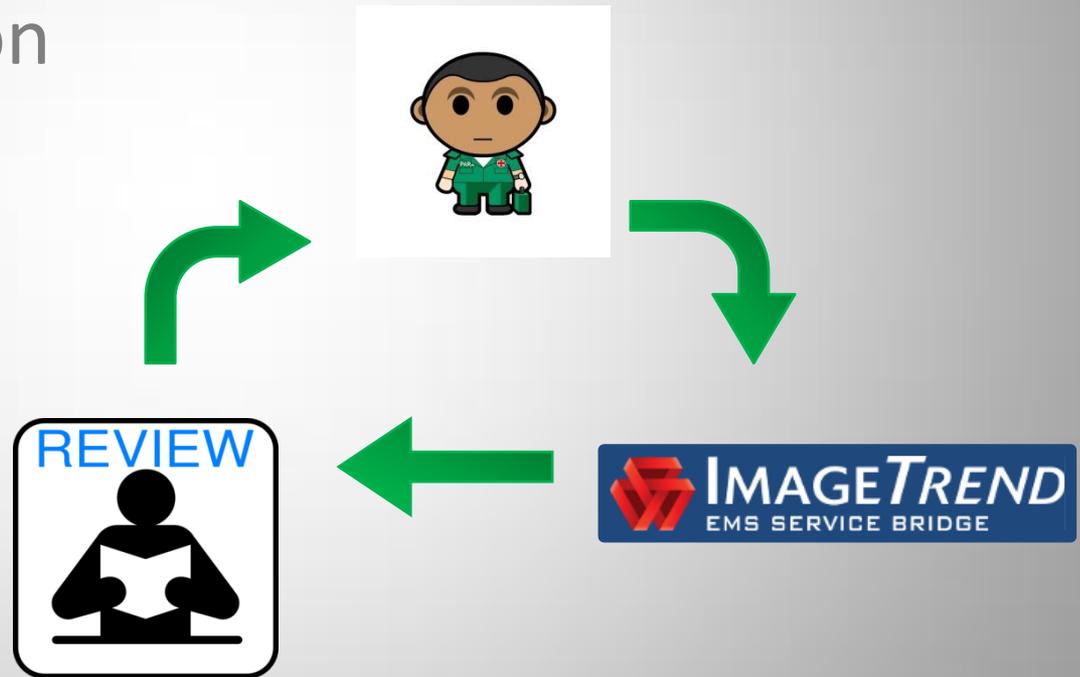
EMS (Transporting Unit Personnel)



Pilot Goals:

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- ✓ eMeds Validation
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Pilot Goals:

Ensuring Quality Data and Ease of Use

- ✓ eMeds Wording
- ✓ eMeds Validation
- ✓ Internal QA
- ✓ **External Audit**



Pilot Goals:

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- ✓ Internal QA
- ✓ External Audit



Time Investment = 2-8 hrs/month

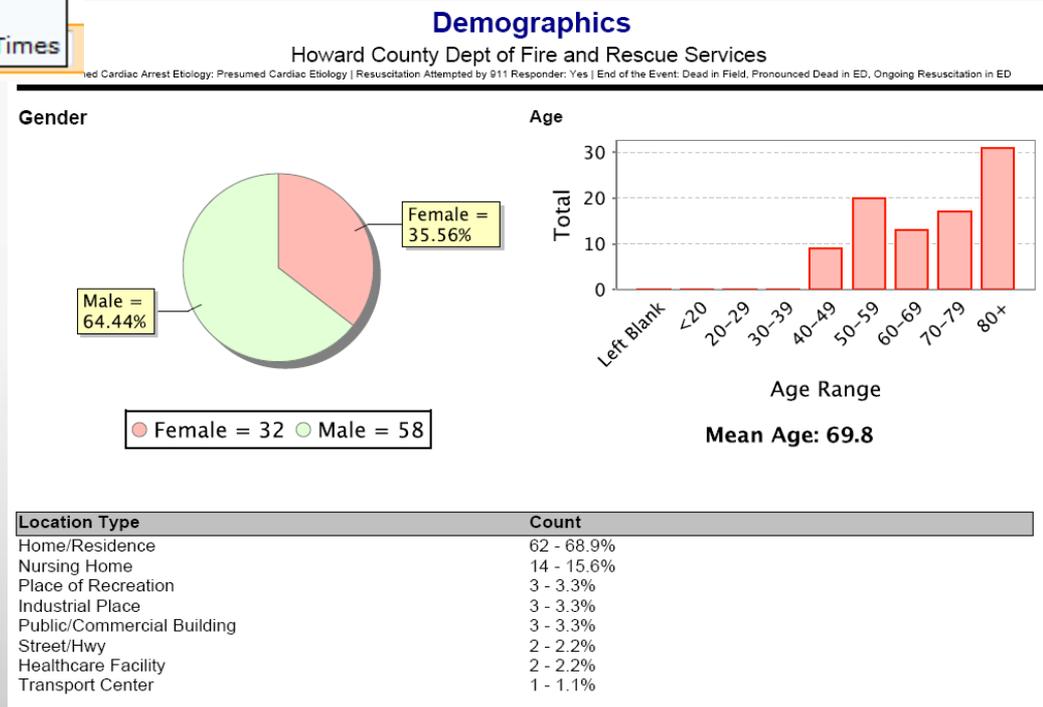
Getting the Most from CARES

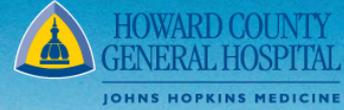
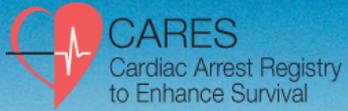
Home Setup eCares **Reports** Log Out

- Call Times
- Security
- Utstein Survival Report
- Demographics**
- EMS CAD Times
- First Responder CAD Times

Report: Demographics

Filter: Presumed





QUESTIONS?

