

# Trial Parameters



120 Person Comparative Trial

The EKG Glove™

Standard ECG (Control)

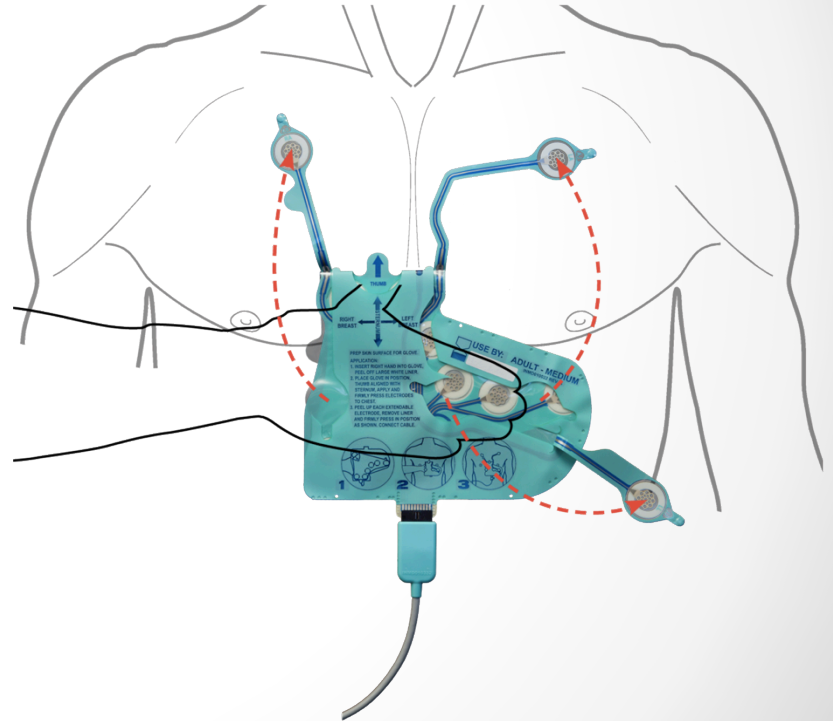
Over a 40 Day Period

Statistics Examined:

Overall Time

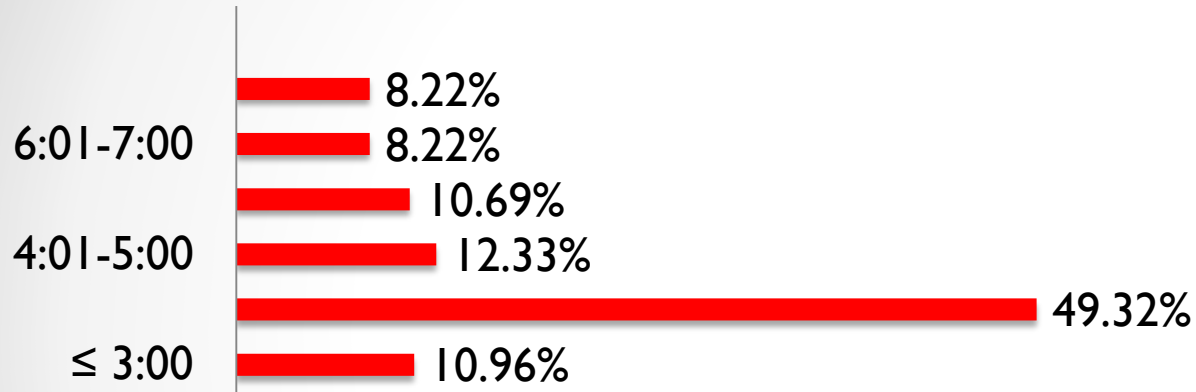
Errors and Time of repeated procedures

Age, Sex, Height, Weight



## Overall Time: **Standard ECG**

■ Percentage of Procedure Time



In our controlled study, the **Standard ECG** proved to have a **19% error rate**. “We expect this percentage rate of error to increase **10-15%** outside of a controlled study”

During the study, **The EKG Glove™** had a **0% error rate**. “We expect this percentage to rise to between 1-2% outside of a controlled study.

**Overall Average**

**4:25**

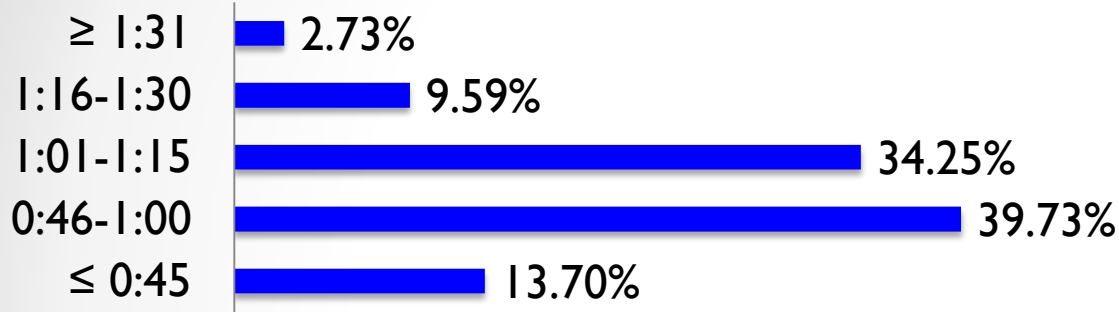
**Overall Error Rate**

**19%**



# Overall Time: **The EKG Glove™**

■ Percentage of Procedure Time



**Overall Average**

**1:00**

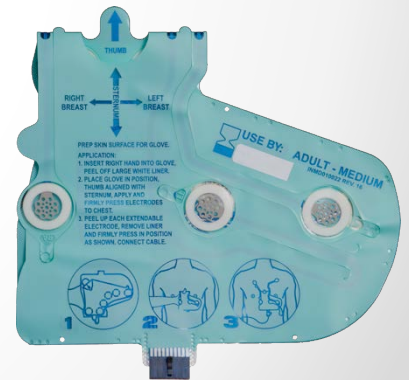
**Overall Error Rate**

**0%**

The greatest time differential (with standard ECG error) was **9:52**.

The greatest time differential (with no standard ECG error) was **5:38**.

The **EKG Glove™** performed where the **Standard ECG** could not.

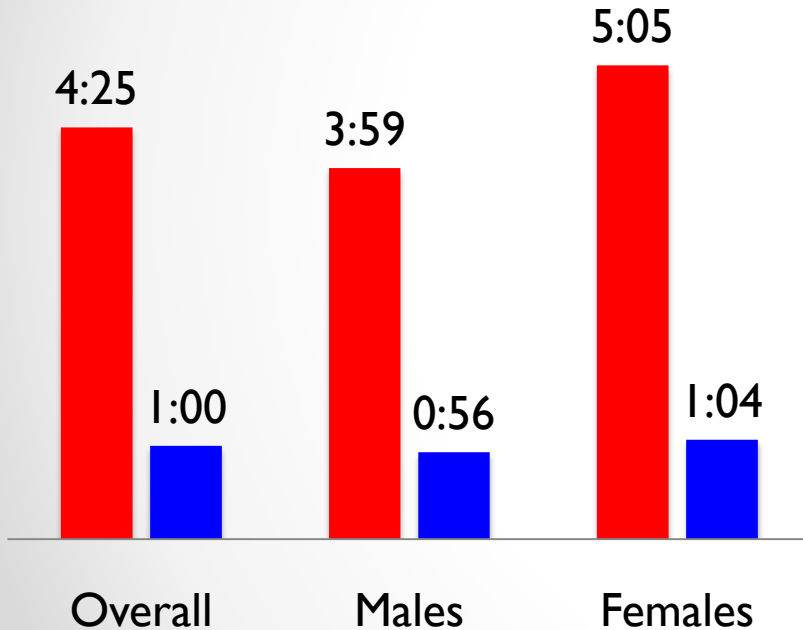


# Obesity as a Factor in this Study

- Patient #60 - 62 y/o Female, 500LB
- Could **Not** Perform **Standard ECG**
- Total Time Spent Administering **Standard ECG** - **10:57**
- Total Time Spent Using **The EKG Glove™** - **1:05**
- Obesity prevented a successful ECG multiple times over the course of the study when using **Standard ECG** leads/lead wires.
- **No ECG, No Payment.** If no ECG is rendered, it cannot be billed to insurance. The Hospital incurs the loss of Time/Electrodes/Labor/Space.

## Overall Average Time Comparison

■ Standard ECG ■ The EKG Glove™



Overall, **The EKG Glove™** is 425% more efficient than a **Standard ECG**.

**The EKG Glove™** works so well that it is 500% more efficient with females.

The fastest application of **The EKG Glove™** was **27 seconds**.

The fastest time for the **Standard ECG (2:10)** was **slower** than slowest time for **The EKG Glove (2:04)**.

# Hospital-Acquired Infections (HAIs)

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- The EKG Glove™ prevents Patient-to-Patient Cross-Contamination
- Continual Use of Antimicrobial Detergents Known to Build Resistance in Bacteria/Fungus. Sanitizing is not Sterilizing.
- According to *Cardiology News*, antibiotic-resistant bacteria were found on 77% of ECG wires that were cultured after they were reprocessed and just before they were attached to new patients in the ICU.
- 4% of Patients with HAIs Eliminated 185% of Operating Profits from All Other Patients. (Critical Care Nurse, June 2011)
- In one study, it was deemed that with each patient that acquired an HAI, it directly cost the hospital over \$8,500 in unredeemable cost.

# Value-Based Purchasing


























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- US Government Reallocating 1% of Medicare/Medicaid Payments
  - Goes to Hospitals That Offer Best Care Within Criteria
  - Allocation Percentage Rises Incrementally Annually
- Criteria Includes:
  - ✓ “Patients who may have had a heart attack receive care within 90min”
  - ✓ Reducing Length of Stay (LOS) and Preventing Readmits
  - ✓ Hospital Sanitation and Cleanliness
  - ✓ Active Role In Preventing HAIs
- “The better a hospital does on its quality measures, the greater the reward it will receive from Medicare.”

The EKG Glove™ meets and exceeds all value based purchasing criteria.

# Comparison of Benefits

- Time
  - Per Procedure
  - Per Error
  - Required Prep
- Broken ECG Cables
- Repeated Procedures
  - Per Error
  - Chest X-Ray, Moving Patient, Etc.
- Readmits, HAIs

Comparison of 12 Lead ECG Devices	The EKG Glove	Current ECGs
Universally Compatible /w EKG Machines		N/A
Works on all Obese Patients		
No Technician Required		
Prescription Ready		
Protected from Electromagnetic Interference		
Limited/No Prep Required		
Disposable		
No "Spaghetti" Wires		
Can be Applied in Under One Minute		
Radiolucent		
Compact and Lightweight		
No External Leads from Device		
Hypoallergenic		
No Leads on Arms or Legs		
Can be placed on Chest or Back		
Made in the USA		N/A



# Overall Conclusion

## The EKG Glove™

is **425%** more efficient the  
**Standard ECG** currently  
performed at Peconic Bay  
Medical Center.

