



# Real-Time Mobile Cardiac Holter, Event & Telemetry System



**Real-Time (live) ECG data enables Specialized Medical's Cardiac Monitoring Service to provide you with daily patient arrhythmia reports via wireless transmission of ECG data and arrhythmia events for easy management of your symptomatic and asymptomatic cardiac event patients.**

# **Real-Time Mobile Cardiac Holter, Event & Telemetry System Provides...**

**ONE COMPACT UNIT - SEVERAL MOBILE CARDIAC MONITORING TESTS!**

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- **MOBILE CARDIAC HOLTER TEST (live streaming)**
  - **MOBILE CARDIAC EVENT TEST (live streaming)**
  - **MOBILE CARDIAC TELEMETRY TEST (live streaming)**
  - **ST SEGMENT / TREND ANALYSIS TEST (live streaming)**

**\* Compatible for all patients with ANY type of insurance!**

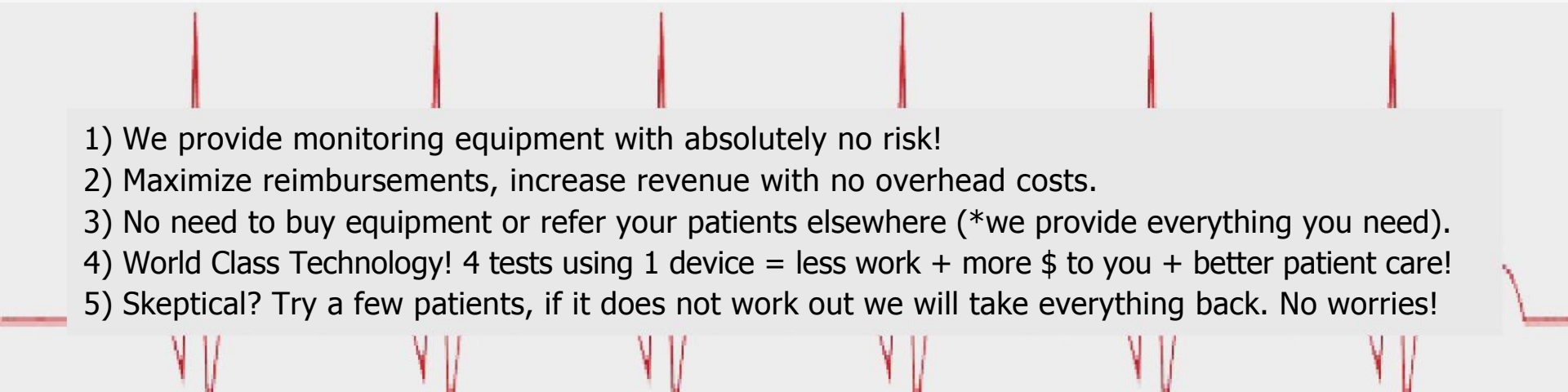
# **Real-Time Mobile Cardiac Holter, Event & Telemetry Systems...**



**Empowers you and your team to  
diagnose and treat all arrhythmias,  
from the most simple to the most  
difficult to detect arrhythmias.**



# Real-Time Mobile Cardiac Holter, Event & Telemetry System.

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- The background of the slide features a stylized ECG (heart rate) waveform in red. The waveform consists of a series of vertical spikes (P waves) and smaller, more complex shapes (QRS complexes) arranged in a regular pattern across the width of the slide.
- 1) We provide monitoring equipment with absolutely no risk!
  - 2) Maximize reimbursements, increase revenue with no overhead costs.
  - 3) No need to buy equipment or refer your patients elsewhere (\*we provide everything you need).
  - 4) World Class Technology! 4 tests using 1 device = less work + more \$ to you + better patient care!
  - 5) Skeptical? Try a few patients, if it does not work out we will take everything back. No worries!

## WHY USE OUR SERVICE?

\* We provides you with the latest technology cardiac monitoring equipment. Everything remains in your office ready to use. Our online portal interface makes test processing simple and efficient with all the ICD-10 medical necessity diagnosis codes, CPT billing codes, immediate enrolling and pre-enrolling of patients for test scheduling and more. Reports are delivered in .PDF format for easy integration into your Electronic Medical Record system. Typical net reimbursement for your office ranges from \$300.00 to \$1000.00 or more per test depending on patients insurance plan.

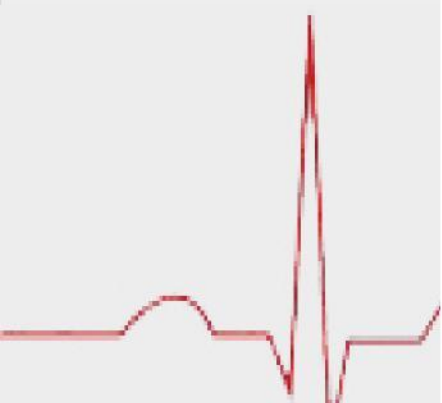

# **Pain Mgt Without Drugs, LLC**

**Providing Services to Health Care Professional**

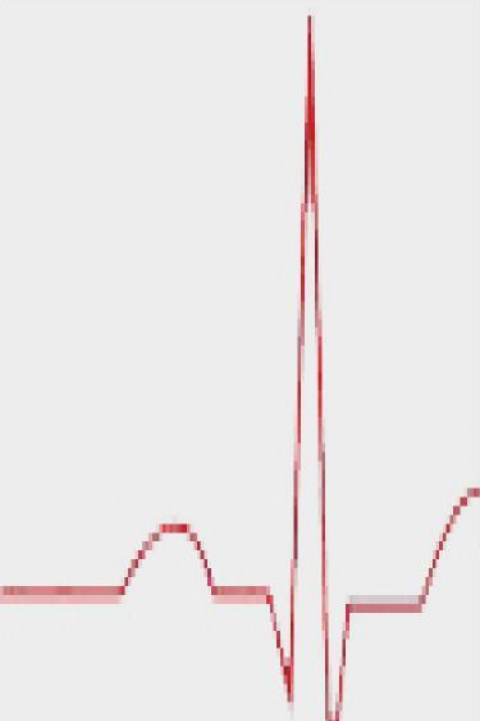
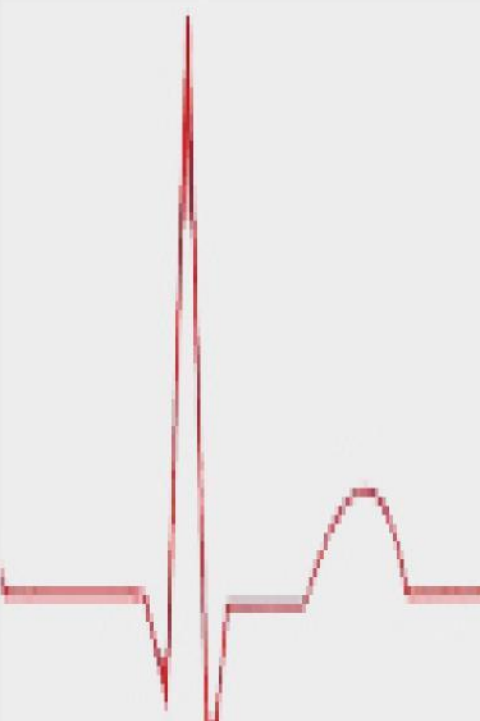
**For more information or to learn  
about other services we offer  
contact**

**Jay Kuhn- (248) 524-9905**

# Real-Time Mobile Cardiac Holter, Event & Telemetry Systems benefits...

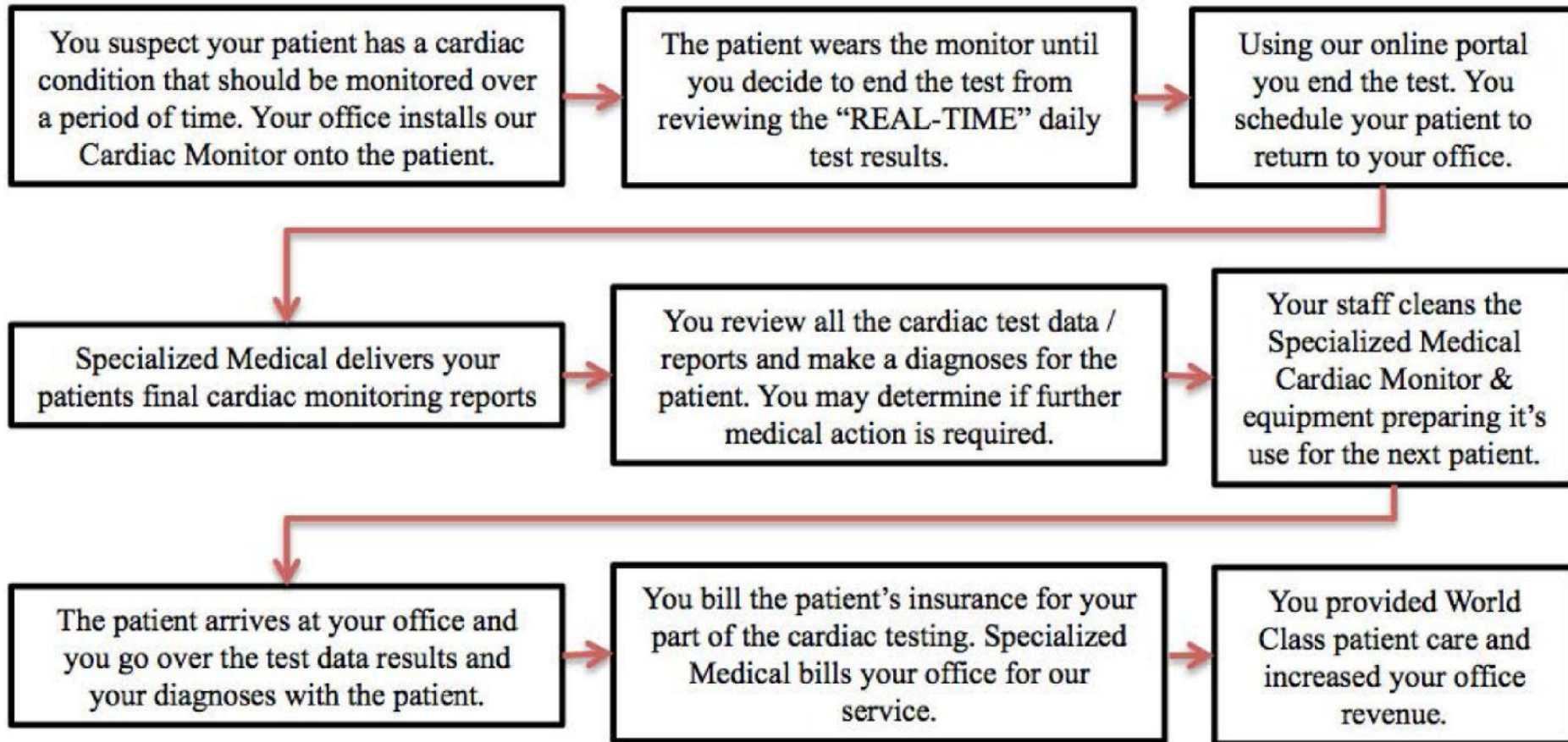
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- **Works with the Verizon cellular network** via MiFi
  - Cell transmission of ECG data helps **ensure patient compliance and reduce likelihood of human error**
  - Remote device configuration offers convenience and **the ability to adjust monitoring protocols on the fly**
  - Event processing platform enables **efficient receipt and triage of events**, with holter analysis of 24 hours or more of ECG data
  - Auto-transmit or patient initiated transmit **improves patient compliance**
  - **Correlate patient symptoms to changes in electrical activity in the heart**
  - Web-accessible reports offer **advanced administrative and clinical queries at your convenience**
  - All reports saved as .PDF files types for easy EHR integration **eliminates paper headaches, increases efficiency and improves accuracy of patient event reports.**

# **Real-Time Mobile Cardiac Holter, Event & Telemetry Monitoring...**

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- 24/7/365 Hours of Operation. Data reviewed and flagged by trained technicians, with notification by e-mail, text and or calling of clinically relevant events**
  - 4.6 DAYS Mean time to initial detection of clinically relevant arrhythmias**
  - 68% Detection rate of clinically relevant arrhythmias**

# Real-Time Mobile Cardiac Holter, Event & Telemetry Systems Process Flow...

S  
T  
A  
R  
T






# Real-Time Mobile Cardiac Holter, Event & Telemetry Reporting...

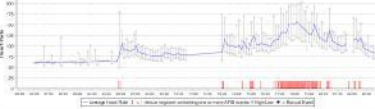
## - Holter Report

<b>Patient:</b> James, Joe <b>ID:</b> 1000000000 <b>DOB:</b> 1/1/1981 Age: 35 Years <b>Sex:</b> Male <b>SSN No.:</b> 000000000 <b>Report Date:</b> 10/20/16, 1:20 PM <b>Test Date:</b> 10/20/16, 6:18 PM		<b>Referring Physician:</b> John Smith, M.D. <b>Interpreting Physician:</b> John Smith, M.D. <b>Indications:</b> TIA at Neurology, 7/6/16 Chest pain unspecified, TIA at Neurology and gastro, 7/6/16 Chest pain unspecified, TIA at Neurology and gastro, 7/6/16 Chest pain unspecified	
<b>Medications:</b>		<b>Summary:</b> The total recording time was 71.47 hours. Total beats = 83071. The total time analyzed was 17.09 hrs. Mean Rate: Max = 132 bpm (11:53:42 AM), Min = 55 at 0:51:05 AM, Avg = 62 There were 0 pauses > 2.5 seconds. The longest pause = 0:00 sec. at 8:43 PM(1).	
<b>ECG Statistics:</b> Total: 831 Isolated: 827 Pairs: 4 W. or F: 0 Run: 4 Longest: VF run = 0 beats at 9:13:33 AM(2) - 9:13:33 AM(2) Fastest: VF run = 133 bpm at 9:13:33 AM(2) - 9:13:33 AM(2) Comments:		<b>ECG Statistics:</b> Total: 831 Isolated: 827 Pairs: 4 W. or F: 0 Run: 4 Longest: VF run = 0 beats at 9:13:33 AM(2) - 9:13:33 AM(2) Fastest: VF run = 133 bpm at 9:13:33 AM(2) - 9:13:33 AM(2) Comments:	

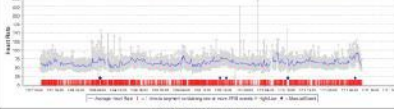
## - Event Alert Report

PATIENT INFORMATION		EVENT INFORMATION	
ID:	00000004	Event ID:	00000004
Name:	JOHN SMITH, M.D.	Event Record Date:	2011-04-04 22:45:19
Technician:	Michael Jensen, CPT	Event Type:	PAUSE
Date of Birth:	Dec 18, 1981	Event Type:	PAUSE
Address:	1000 My Street, Suite 100, PA 19101	Event Type:	PAUSE
Phone:	202-555-1234	Event Type:	PAUSE
Indications:	Indications:	Event Type:	PAUSE
Diagnosis:	Arrhythmia	Event Type:	PAUSE
PHYSICIAN INFORMATION			
Name:	Dr. Anthony J. Joy		
Address:	1234567 N. 1st Ave., CH 11000		
			
Symptoms:		Record Date: 2011-04-04 22:45:19	
Comments:		Comments:	

## - Daily Event/Telemetry

Patient		Physician	
Name:	JOHN SMITH, M.D.	ID:	00000004
Date of Birth:	Dec 18, 1981	Event Type:	PAUSE
Address:	1000 My Street, Suite 100, PA 19101	Event Type:	PAUSE
Phone:	202-555-1234	Event Type:	PAUSE
Indications:	Indications:	Event Type:	PAUSE
Diagnosis:	Arrhythmia	Event Type:	PAUSE
Event Type:	PAUSE	Event Type:	PAUSE
Trend Summary			
Enrollment Period: 10/20/16 - 10/20/16		Report Period: 10/20/16 (Sep 14 of 16)	
Min. Heart Rate: 55	Avg. Heart Rate: 62	Max. Heart Rate: 132	Event Type: PAUSE
			
Event and Episode Summary			
Total:	0	0	0
Arrhythmia:	0	0	0
Bradycardia:	0	0	0
Tachycardia:	0	0	0
Pause:	0	0	0
W. or F:	0	0	0
Run:	0	0	0
Comments			
Patient was observed in atrial fibrillation for approximately 10 minutes (comparing to a 100% AF rhythm). Patient denied any symptoms. Patient heart rate varied from normal (approx. 60 bpm) to atrial fibrillation (approx. 100 bpm).			

## - Final Event / Telemetry

Patient		Physician	
Name:	JOHN SMITH, M.D.	ID:	00000004
Date of Birth:	Dec 18, 1981	Event Type:	PAUSE
Address:	1000 My Street, Suite 100, PA 19101	Event Type:	PAUSE
Phone:	202-555-1234	Event Type:	PAUSE
Indications:	Indications:	Event Type:	PAUSE
Diagnosis:	Arrhythmia	Event Type:	PAUSE
Event Type:	PAUSE	Event Type:	PAUSE
Trend Summary			
Enrollment Period: 10/20/16 - 10/20/16		Report Period: 10/20/16 (Sep 14 of 16)	
Min. Heart Rate: 55	Avg. Heart Rate: 62	Max. Heart Rate: 132	Event Type: PAUSE
			
Event and Episode Summary			
Total:	0	0	0
Arrhythmia:	0	0	0
Bradycardia:	0	0	0
Tachycardia:	0	0	0
Pause:	0	0	0
W. or F:	0	0	0
Run:	0	0	0
Comments			
Patient was observed in atrial fibrillation for approximately 10 minutes (comparing to a 100% AF rhythm). Patient denied any symptoms. Patient heart rate varied from normal (approx. 60 bpm) to atrial fibrillation (approx. 100 bpm).			

# Real-Time Mobile Cardiac Holter, Event & Telemetry service process for reporting ECG data.

**CONCERNING ARRHYTHMIA NOTIFICATION PROCESS**

ARRHYTHMIA	PARAMETERS OF ARRHYTHMIA	IN REPORT	EMAIL	EMAIL + *TEXT	EMAIL + *TEXT + CALL
Ventricular Fibrillation	all	yes	yes	yes	yes
Atrial Fibrillation or Atrial Flutter	≥ 150 bpm	yes	yes	no	no
	≥ 150 bpm AND ≥ 30 seconds	yes	yes	yes	no
	≤ 40 bpm	yes	yes	no	no
	≤ 30 bpm AND ≥ 30 seconds	yes	yes	yes	no
	New Onset Atrial Fibrillation or New Onset Atrial Flutter	yes	yes	When criteria are met	When criteria are met
ICD Discharge	all	yes	yes	yes	yes
Ventricular Tachycardia	all	yes	yes	yes	≥ 10 beats, any rate
Wide Complex Tachycardia	all	yes	yes	yes	≥ 10 beats, any rate
PVC's	> 8 PVCs per 60 sec ECG	yes	yes	no	no
Pause	≥ 2.0 seconds	yes	yes	≥ 2.5 seconds	≥ 3.5 seconds
Sinus Bradycardia	≤ 40 bpm	yes	yes	≤ 35 bpm	≤ 30 bpm
Sinus Tachycardia	≥ 140 bpm	yes	yes	≥ 160 bpm	≥ 180 bpm AND ≥ 50 seconds
Supraventricular Tachycardia	≥ 130 bpm	yes	yes	≥ 150 bpm AND ≥ 30 seconds	≥ 180 bpm AND ≥ 30 seconds
Patient Manually Triggered Events	all	yes	When criteria are met	When criteria are met	When criteria are met
2nd Degree AV Block (Mobitz I)	all	yes	yes	≤ 50 bpm	≤ 30 bpm
2nd Degree AV Block (Mobitz II)	all	yes	yes	yes	yes
Isolated 2nd Degree AV Block (2:1)	all	yes	yes	≤ 50 bpm	≤ 30 bpm
High Degree AV Block	all	yes	yes	yes	yes
3rd Degree AV Block	all	yes	yes	yes	yes
Technician Discretion	any	yes	yes	When criteria are met	When criteria are met

\* The above chart represents default notification settings only. Parameters may be modified for each practice or individual doctor. Text messaging technology uses a proprietary HIPAA compliant system allowing you to view concerning arrhythmia reports easily on your smart phone, I--- Pad or tablet as needed.

