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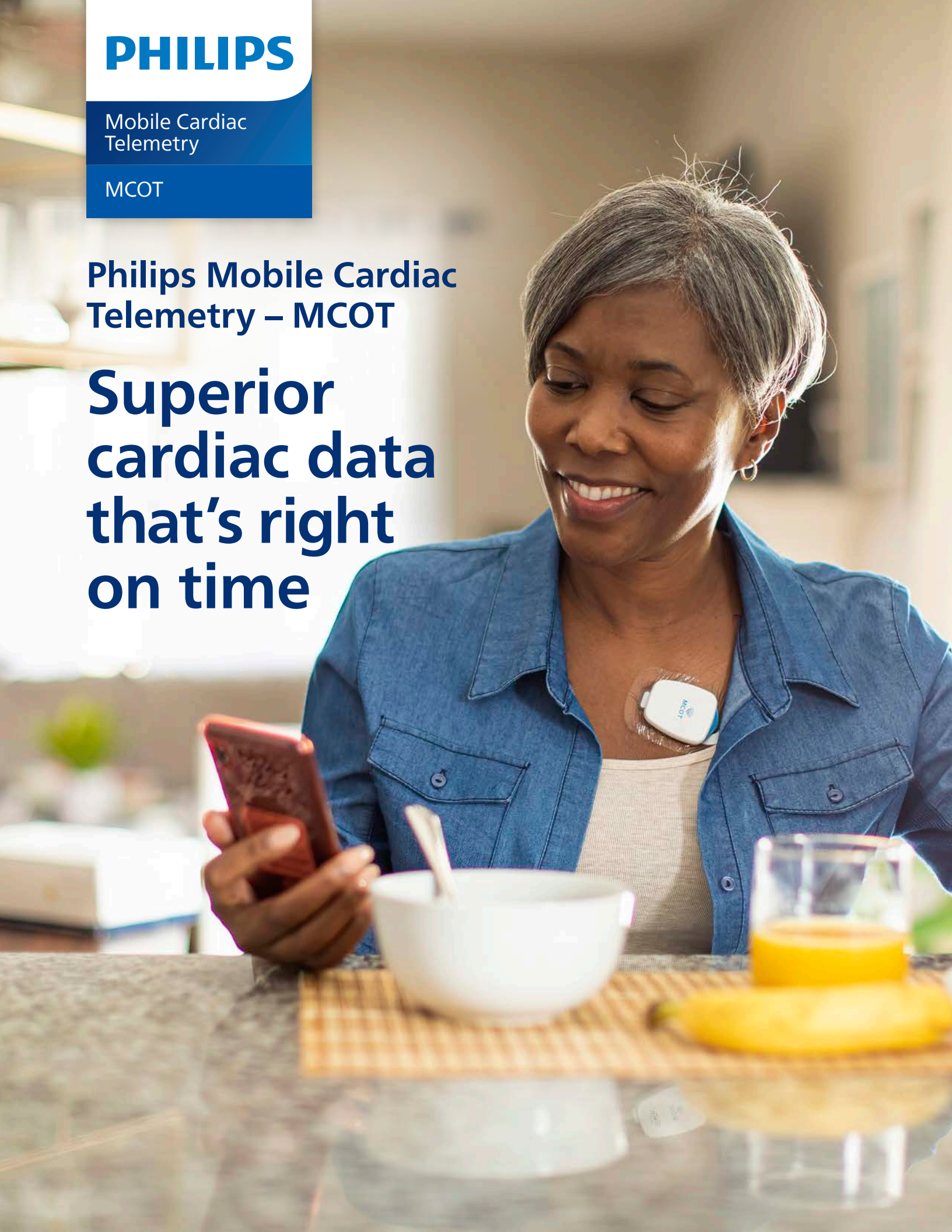**Mobile Cardiac Telemetry**

MCOT

Philips Mobile Cardiac Telemetry – MCOT

Superior cardiac data that's right on time

Accurate diagnosis without delay

Patients with clinically actionable arrhythmias can benefit from timely diagnosis and effective treatments. Monitoring with near real-time analysis and the delivery of urgent and emergent notifications can help you reach a quicker diagnosis.

MCOT's superior detection and high diagnostic yield expedite patient treatment decisions

Monitoring with Philips MCOT gives you near real-time analysis, along with the delivery of urgent and emergent notifications, powered by the SmartDetectAI algorithm, which can help you reach a quicker diagnosis.

MCOT powered by **SmartDetectAI** provides **near real-time arrhythmia analysis with rate, rhythm, QRS morphology and AF using p-wave analysis**.

Proven to detect atrial fibrillation with **100%** sensitivity and 100% positive predictivity in the detection of ≥30-second AF episodes.[1]

No false AF negatives or positives – Philips delivers accurate data you can trust.[1]

MCOT has QRS morphology with **lower rate VT analysis of >100 bpm.**

Two channels of ECG data, with up to **30 days** of **continuous monitoring** and data storage – delivers the data you need to make a **timely and accurate diagnosis**.

Validated by clinical evidence from more than **41 studies,** articles and abstracts.

SmartDetectAI algorithm

P-wave analysis

Rate

SmartDetectAI

Rhythm

QRS morphology

+

Cardiac technician review
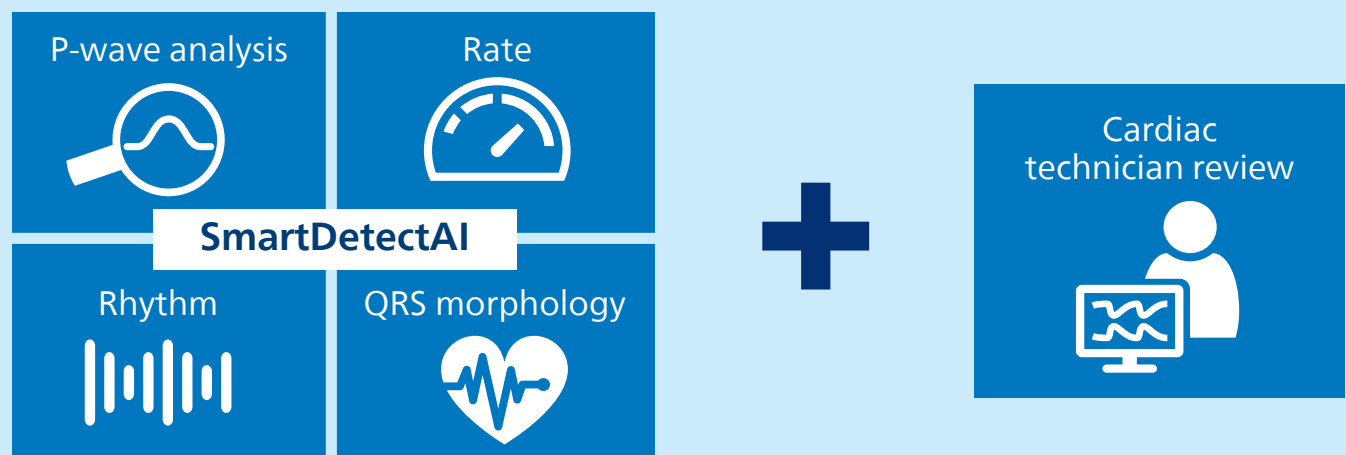
MCOT demonstrates faster time to first arrhythmia detection

MCOT's superior detection, high diagnostic yield and 30-day monitoring duration mean the SmartDetectAI algorithm can accurately identify arrhythmias both early and later in the monitoring period – this helps prevent delays in treatment.
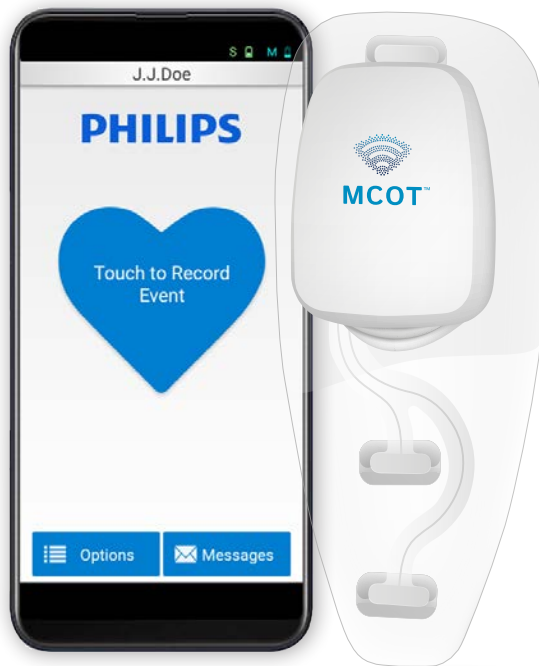
MCOT detects events throughout an extended monitoring period[2]

74%

Greater than 74% of all actionable arrhythmia detections happen within 14 days.[2]

26%

26% of actionable arrhythmias are detected after day 14, with nearly half of these occurring after day 21.[2]

Robust insights delivered through high-quality actionable reports – to enable confident care decisions

Patients with clinically actionable arrhythmias can benefit from timely diagnosis and effective treatments. **Monitoring with Philips MCOT gives you near real-time analysis, along with the delivery of urgent and emergent notifications, powered by the SmartDetectAI algorithm, which can help you reach a quicker diagnosis.**

One-page, comprehensive AF summary to quickly identify the presence of significant arrhythmias, AF, SVT, Longest Pause, Slowest Heart Block and VT.

Near real-time analysis of urgent and emergent events – with full disclosure and ECG data fetch available – provides the clinical insights you need to accelerate diagnosis and treatment.

Monitor patient's compliance with daily heart rate activity trends and easily view all patient-initiated symptoms that occurred during the reporting period.

Daily reports provide clinically significant arrhythmia information summarized on a single page.

Urgent/emergent notifications are customized and reports are delivered based on physician preference, streamlining review.

Find and treat more arrhythmias –

12% of MCOT patients required a surgical procedure.[3]

1/3 of patients using MCOT required treatment interventions.[3]

Monitoring and event summaries include total time and days monitored and start and end dates.

One-page comprehensive arrhythmia summary to quickly identify the presence of significant arrhythmias, AF, SVT, Longest Pause, Slowest Heart Block and VT.
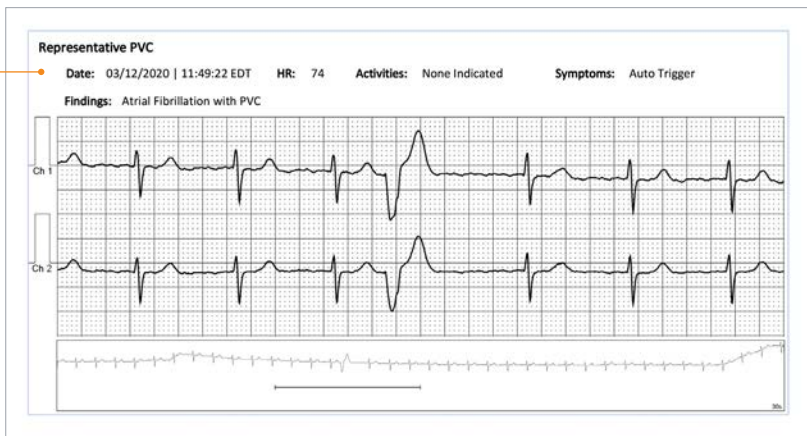
AF summary with AF durations, episodes, burden and high/low/average heart rate trends.

Quickly view event and heart rate summaries with breakouts by symptomatic and asymptomatic events and high/low and average rates throughout the monitoring period.

Ectopy summary provides PAC and PVC counts and burden.

Narrative summary with AF, SVT and VT stats, pauses, and PAC/PVC counts and burden highlights the presence of significant arrhythmias.

When the report contains PVC burden, a representative sample strip is included.

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MCOT
(Tel) 866-426-4401 (Fax) 866-426-4403

End of Service Summary Report
4/10/2020

Patient Name:	John Doe	Notification Physician:	Dr. Heart, MD
Date of Birth:	00/00/0000 (age 76)		BioTel Heart Center
Gender:	M		123 Avenue of Heart
Patient Phone:	(000)000-0000		Malvern, PA 19355
Medical Record:			Dr. Heart, MD
Diagnosis (ICD10):	I48.0 Paroxysmal atrial fibrillation	Ordering Physician:	

Monitoring Summary

Time Monitored:	12d 13h 3m
Prescription Days:	30
Days Monitored:	17
Baseline Date:	03/12/20
End Date:	04/10/20

Event Summary

Total Cut Strip Count:	30
Symptomatic:	0
Asymptomatic:	30
Emergent/Urgent Count:	0

Strips start on page 8

HR Summary

High HR:	120 bpm
Low HR:	34 bpm at 03/13/2020 09:43 EDT
Avg HR:	70 bpm

Daily HR detail on page 3

Representative Arrhythmia Summary | Strips start on page 8
Total Strip Count (TSC)

AF (Fastest)	Sx	None Indicated				
	ASx	03/29/2020 21:23 EDT	HR: 99		ASx: Auto Trigger	TSC: 30
SVT (Fastest)	Sx	None Indicated				
	ASx	None Found				
Pause (Longest)	Sx	None Indicated				
	ASx	03/20/2020 21:45 EDT	HR: 47	L: 2.3s	ASx: Auto Trigger	TSC: 3
Heart Block (Slowest)	1°	None Found				
	2°	None Found				
	3°	None Found				
	AHB	None Found				
VT	Fastest	03/19/2020 14:01 EDT	HR: 113	L: 5 Beats	ASx: Auto Trigger	TSC: 1
	Longest	03/19/2020 14:01 EDT	HR: 113	L: 5 Beats	ASx: Auto Trigger	

AF Summary | Daily details page 2

Analysis Time:	12d 6h 41m	Longest AF:	6h 43m
Time in AF:	131h 34m	AF High HR:	108 bpm
AF Episodes:	366	AF Low HR:	34 bpm	03/13/2020 09:43 EDT
AF Burden:	45%	AF Avg HR:	58 bpm

Ectopy Summary | Daily details page 5

	PVCs:	PACs:
Analyzed	1,154,911	1,154,911
Ectopy:	273	10,462
Burden:	<1%	1%

Physician Comments

Signature   Date

Preliminary Findings

- Patient monitored for 12d 13h 3m
- 30 events were transmitted. 0 symptomatic; 30 device triggered
- AF occurred 366 time(s) with HR range of 34 - 108; Total AF Burden 45%
- Pauses >2 seconds occurred 3 time(s) with longest pause 2.3 seconds
- VT occurred 1 time(s) with fastest run 113 BPM
- 10,462 PACs with PAC burden of 1%
- 273 PVCs with PVC burden of <1%

End of Service Summary Report
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Page 1 of 23

Representative PVC

Date:	03/12/2020	11:49:22 EDT	HR: 74	Activities: None Indicated	Symptoms: Auto Trigger

Findings: Atrial Fibrillation with PVC

Ch 1

Ch 2

Monitoring with near real-time analysis, urgent and emergent event notifications, and optional full disclosure reports provides you with clinical insights to accelerate diagnosis and treatment.

Simple and easy for practices and patients

- Simple and easy for patients to use and wear to increase compliance*

- Multiple wear options (ECG electrode Patch, Lead Wire Adapter and Flex Adapter) are available to suit patients' individual needs

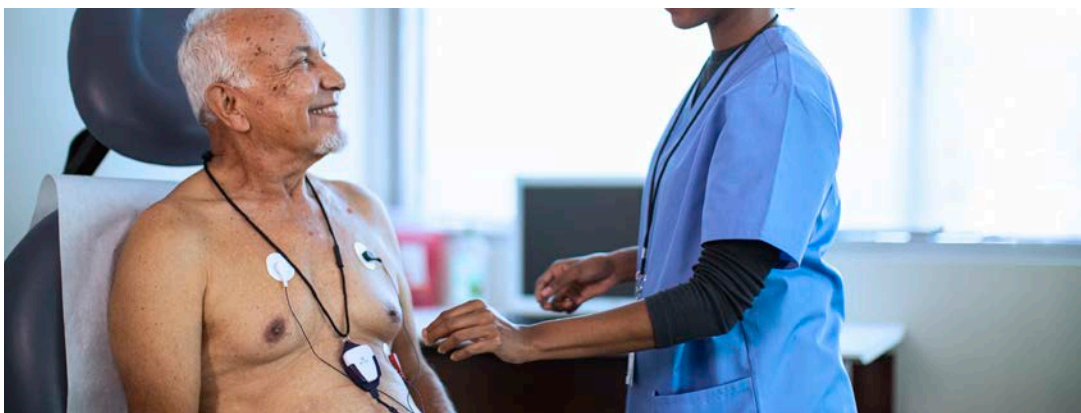- Philips is contracted with over 700 payors**

Patch

Flex Adapter
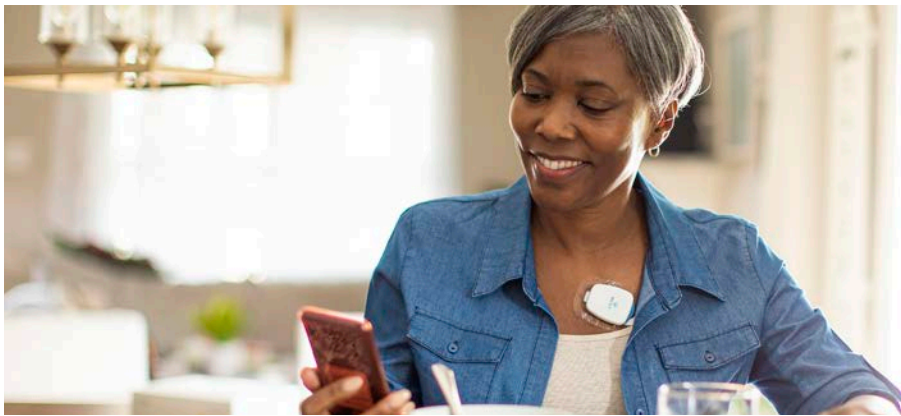
Lead Wire Adapter

Easy
to apply

Easy
to wear

Wear up to
30 days †

Patients are well connected 24/7

- Online and email support
- Shipping and tracking
- Customer service support
- Instructional videos

Simple for your practice

- Telehealth option frees staff time by providing 24/7 patient support, online educational videos and home-delivery within days of prescription order
- Multi-channel patient engagement program keeps patients connected and can reduce potential calls to your staff*
- Bi-directional EMR integration solutions from Philips create workflow efficiencies by enabling ease of ordering and report reviewing

Simple for your patients

- Small, lightweight (<1 oz.) and water-resistant patch enhances comfort
- Rechargeable sensor (ECG recorder) and multiple patches enable up to 30 days of wear**
- Multiple wear options (patch, Lead Wire Adapter and Flex Adapter) are available to suit patients' individual needs

* May require patient opt-in and an email address.
** Patient will need to replace patch on day five of wear, or sooner as required.

Heart Care. Everywhere.

Philips helps you extend patient oversight beyond hospital walls and improve outcomes with a comprehensive portfolio of cardiac ambulatory monitoring services that include a range of monitors with flexible wear options to enhance patient compliance. Cloud-based AI and advanced algorithms quickly process high-quality ECG data into actionable, easy-to-read reports that integrate with your departmental systems and your EMR to accelerate decision-making, support streamlined workflows and help you deliver patient-centered heart care everywhere.

With Philips, you can:

Access curated, actionable cardiac data powered by cloud-based AI and advanced algorithms that support accurate, timely diagnosis and proactive treatment.

Streamline cardiac workflows and smooth transitions of care with standardized, end-to-end clinical care pathways that drive efficient, reproducible care.

Extend cardiac patient oversight beyond hospital walls with a comprehensive range of cardiac ambulatory monitoring services.

Deliver patient-centered cardiac care with easy-to-use monitors (phones) and support services that increase patient satisfaction and compliance.

For more information, contact your local Philips Account Executive or visit
www.philips.com/ECGSolutions

Mobile Cardiac Telemetry (MCT) monitor CPT codes[*]

Technical	93229
Professional	93228

Event monitor CPT codes[*]

Global	93268
Hook-Up	93270
Technical	93271
Professional	93272

1. Based on MIT-BIH (Massachusetts Institute of Technology-Beth Israel Hospital) Arrhythmia Database testing of ≥30-second AF episodes. (FDA 510k submission).
2. Philips, data on file. .
3. Joshi, Ajay K., Peter R. Kowey, Eric N. Prystowsky, David G. Benditt, David S. Cannom, Craig M. Pratt, Anna McNamara, and Robert M. Sangrigoli. 2005. "First Experience with a Mobile Cardiac Outpatient Telemetry (MCOT) System for the Diagnosis and Management of Cardiac Arrhythmia." *The American Journal of Cardiology* 95 (7): 878–81. https://doi.org/10.1016/j.amjcard.2004.12.015.

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220-0877-01 Rev. C