

Samsung Health Monitor(三星健康監測) 應用程式 (ECG App「心電圖」應用程式)



Samsung Electronics Co., Ltd.

韓國京畿道水原市靈通區三星路 129 號

郵政編碼: 16677

www.samsung.com



Samsung electronics GmbH

Am Kronberger Hang 6, 65824

Schwalbach am Taunus,

Germany



請仔細閱讀本使用說明書以正確使用產品



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2023-06 (v 3.2)

1. 本使用說明書簡介

1.1 標誌

本使用說明書中所採用的標誌

標誌	涵義	說明
	注意	表示為避免不正確使用 Samsung Health Monitor 應用程式所致的任何問題或測量結果不準確，您必須遵守的內容。
	製造商	表示 Samsung Health Monitor 的製造商。
	請查閱使用說明書	表示用戶在使用前應仔細閱讀說明書以正確使用產品。
	授權代表	表示歐盟境內的授權代表資料。

Samsung Health Monitor 中採用的標誌

Samsung Health Monitor 中所採用的標誌可作變更。

標誌	涵義	說明
	注意	表示為避免不正確使用 Samsung Health Monitor 應用程式所致的任何問題或測量結果不準確，您必須遵守的內容。
	警告	表示為避免不正確使用 Samsung Health Monitor 應用程式所致的任何問題或測量結果不準確，您必須遵守的內容。
	脈搏率	表示心電圖（ECG）測量期間當時的心率（脈搏率）。

1.2 使用說明書以電子格式提供

《Samsung Health Monitor 使用說明書》以電子格式提供，在 Samsung Health Monitor 應用程式及其在 samsung.com 內的網站上均可獲取。

若您需要使用說明書的紙質版本，可致電您所在國家的官方三星支援中心索取。

2. 原擬用途

三星心電圖應用程式（ECG App）為非處方（OTC）純軟件流動醫療應用程式，配合兼容的三星 Galaxy 手錶及三星手機使用。本應用程式供 22 歲及以上的成年人士建立、記錄、儲存、傳送和顯示與導聯 I 心電圖相似的單通道心電圖 (ECG)。本應用程式將可分類的跡象標註為心房顫動 (AFib) 或竇性

心律，旨在協助辨別心律狀況，但並不旨在取代傳統的診斷或治療方法。本應用程式不適用於患有其他已知心律失常問題的用戶，及未經諮詢合資格醫療保健專業人士的意見，用戶不應對裝置的輸出結果進行詮釋或基於此等結果採取臨床措施。用戶無論是否患有已知的房顫疾病，均可將 ECG 及心律分類作為數據與合資格醫療保健專業人士分享。

3. 禁忌

若您未滿 22 歲，請勿使用「心電圖」應用程式。



若您佩戴植入式心臟起搏器、植入式心臟除去顫器或其他植入式電子儀器，請勿使用「心電圖」應用程式。

若您患有心房顫動以外的已知心律失常問題，請勿使用「心電圖」應用程式。

4. 注意事項

請遵循以下注意事項，否則，ECG App 可能無法記錄準確的測量結果。

	「心電圖」應用程式無法診斷心臟疾病或檢測心臟病發作跡象。
	「心電圖」應用程式並不取代合資格醫療保健專業人士所使用的傳統診斷或治療方法。若您認為有緊急醫療狀況，請立即聯絡當地急診服務求助。
	未經諮詢您的醫生，請勿轉換您的藥物或變更您的劑量。
	未經諮詢合資格醫療保健專業人士的意見，請勿對「心電圖」應用程式的測量結果進行詮釋或基於此等結果採取醫療措施。
	請勿在進行任何體力活動期間進行心電圖測量。
	Galaxy 手錶靠近強力電磁場磁力共振掃描 (MRI) 或 X 光設備、電磁防盜系統、金屬探測器) 時，請勿進行心電圖測量。
	為保安起見，請僅在私人 (家中) 環境中透過藍牙功能進行 Galaxy 手機與 Galaxy 手錶的配對。建議不要在公眾場所進行配對。
	請勿在進行醫療手術 (例如外科手術或體外心臟去顫程序) 期間進行心電圖測量。
	當 Galaxy 手錶並非處於以下條件時，請勿進行心電圖測量： <ul style="list-style-type: none">• 溫度：54°F-104°F / 12°C-40°C• 濕度：相對濕度 30% – 90%

	請確保用於記錄心電圖的手指沒有被遮擋，無任何瘀傷、疤痕或割傷。
	某些生理狀況可能會使部分人的訊號強度不足以致妨礙「心電圖」應用程式進行檢測及分析。

5 入門須知

心電圖監測應用程式需要 Galaxy Watch Active2 (Tizen 版本 4.0.0.8 以上版本) 或與執行 Android 9 Pie 以上版本的 Galaxy 手機配對的更新手錶型號。

1. 確保您的 Galaxy 手錶已透過藍牙與您的 Galaxy 手機完成配對。
2. 您的 Galaxy 手機上若已安裝 ECG App，請打開 Samsung Health Monitor 應用程式，並按照螢幕上的指示設定您的個人檔案。

若您的 Galaxy 手機尚未安裝「心電圖」應用程式，請從 Galaxy Store 安裝 Samsung Health Monitor 應用程式，然後安裝「Galaxy Wearable」軟件的最新更新。在安裝更新後，請打開 Samsung Health Monitor 應用程式，並按照螢幕上的設定指示進行操作。

6. 使用 Galaxy Watch 錄製心電圖

1. 在 Galaxy Watch 上開啟 Samsung Health Monitor 應用程式。
2. 確保 Galaxy Watch 緊貼您的手腕。
3. 將前臂舒適地放在桌子上，然後將另一隻手的指尖輕輕放在 Galaxy Watch 的首頁鍵上 30 秒。在 Galaxy Watch 進行測量時保持靜止並且不要說話。錄製過程完成後，心電圖結果將顯示在您的手錶上。備註：錄製過程中**不要按** 首頁鍵；在錄製過程中按下首頁鍵將停止錄製。
4. 向上和向下滑動以查看您的心電圖結果。如果您有某些症狀，請點擊**加入**，然後在**症狀**螢幕上滑動列表並點擊您遇到的每個症狀。然後點擊**儲存**將症狀添加到您的心電圖報告並返回**結果**頁面。
5. 點擊**完成**返回**開始**頁面。您可以在電話上的心電圖應用程式中查看您的心電圖報告。（請注意，同步要求手錶和電話先使用藍牙配對。）

7. 在您的 Galaxy 手機上查看您的心電圖報告

在您進行心電圖測量後，心電圖數據將同步至已配對的 Galaxy 手機上，製成 PDF 報告。

1. 打開您 Galaxy 手機上的 Samsung Health Monitor 應用程式。
2. 輕觸縮圖查看您的最新心電圖報告，或者輕觸**查看歷史記錄**，查看所有可用的報告。

您可能會獲得以下任何一項結果：

- **竇性心律**——這一結果指在記錄過程中，心臟跳動規律，心率为每分鐘 50-100 次(BPM)。
 - **注意：**竇性心律結果並不保證您沒有心律失常或其他健康狀況。您若感到不適，請聯絡您的醫生。
- **心房顫動 (AFib)**——這一結果指在記錄過程中，心臟跳動不規律，心率在每分鐘 50-120 次。您若獲得此結果，請聯絡您的醫生以獲指導。
- **不確定**——這一結果指心電圖記錄無法分類，因為心率高或過低，或心率不屬於心房顫動或竇性心律。您若反覆獲得此結果，請聯絡您的醫生。

○ **導致不確定結果的情況**

- 記錄期間的心率低於每分鐘 50 次（低心率*），或
- 心率高於每分鐘 100 次（高心率**）及心率不屬於心房顫動，或
- 心律不屬於竇性心律或心房顫動，或
- 心律屬於心房顫動，且心率高於每分鐘 120 次。

* 低心率可屬正常，例如若測量對象為訓練有素的運動員。低心率亦可能是由某些藥物或與心臟內不正常電流活動有關的情況所致。

** 高心率可屬正常，例如在運動或情緒緊張時。高心率亦可能是對脫水、發燒、感染及心房顫動或其他心律失常問題等其他情況的反應。

- **無法記錄**——這一結果指「心電圖」應用程式無法分析數據。無法記錄發生的原因通常是您在記錄過程中移動身體，或 Galaxy 手錶與您的手腕或手指上皮膚之接觸不良。若您反覆獲得此結果，請參閱上文「用您的 Galaxy 手錶記錄心電圖」部分。

8. 安全及效能

「心電圖」應用程式經臨床驗證，透過對 544 名受試者的心電圖記錄進行竇性心律和心房顫動檢測，對「心電圖」應用程式的準確性進行了測試。「心電圖」應用程式的心律分類與經認證的心臟病學專家採用 12 導聯心電圖的心律分類進行了對比。在所有可分類記錄中，「心電圖」應用程式檢測心房顫動的靈敏度為 98.1%，而對竇性心律進行分類的特異度則達到 100%。

在臨床試驗過程中，16.8%的心電圖記錄的結果為不確定或無法記錄。若將上述記錄全部包括在內，則「心電圖」應用程式的靈敏度為 87.1%，而檢測竇性心律的特異度則為 82.5%。實際應用可能會獲得更多不確定和無法記錄的結果。

心電圖 PDF 報告與標準導聯 I 心電圖在關鍵間期（PR、RR）、QRS 持續時間及振幅各方面進行了對比。在該項臨床試驗進行期間，未有任何不良事件報告。

* 註：根據某機構於 2019 年 9 月至 2020 年 4 月期間進行的研究。相關臨床實驗基地負責確定不規則心率測量結果的準確性。本研究對象不包括 22 歲以下患者。

9. 解決問題

如果您在使用心電圖應用程式時遇到問題，請查看下表以了解可能的解決方案。

問題	解決方案
我無法在電話上啟用 Samsung Health Monitor 的心電圖功能。	<ul style="list-style-type: none">● 確保心電圖應用程式已獲准在您所在的國家 / 地區使用。● 啟用 Samsung Health Monitor 應用程式時，請確保您有可用的行動網路連接。

<p>我在 Galaxy Watch 上找不到心電圖應用程式。</p>	<p>心電圖監測應用程式需要與 Samsung Galaxy 智能手機配對的 Galaxy Watch, 且智能手機建議安裝最新的 Android OS。請查看 https://www.samsung.com/sec/apps/samsung-health-monitor/ 以取得手錶型號及可使用服務的國家/地區。</p> <p>如果您的 Galaxy Watch 兼容, 請在電話上安裝 Samsung Health Monitor 應用程式並將您的 Galaxy Wearable 軟件升級到最新的維護版本 (MR)。</p>
<p>我無法錄製我的心電圖。</p>	<p>較乾燥或低溫的皮膚、皮膚接觸不足、手腕多毛、按下首頁鍵或用戶移動都可能導致心電圖應用程式關閉、無法開始錄製或停止錄製。</p> <p>做心電圖前:</p> <ul style="list-style-type: none"> • 在您的手和手腕上塗一些保濕乳液。 • 如果您的手和手臂很冷, 請取下 Galaxy Watch 並輕輕揉搓手腕以溫暖皮膚。重新打開 Galaxy Watch 並再次嘗試錄製心電圖。 • 嘗試將手錶戴在手腕上, 稍微遠離腕骨, 朝向肘部, 接觸皮膚的效果更理想。 <p>在錄製過程中請確保</p> <ul style="list-style-type: none"> • 將您的前臂放在桌子上。 • 指尖完全覆蓋首頁鍵。 • 不可移動您的手臂或說話。 • 不可按首頁鍵。 • 在進行錄製所需的 30 秒內, 您的手指需輕輕放在首頁鍵上。 <p>如果心電圖應用程式一打開就繼續關閉, 則可能是軟件問題。重新啟動 Galaxy Watch 並重試。</p> <p>如果您仍然無法成功錄製, 可能是因為手錶無法檢測到足夠強的信號來錄製您的心電圖。</p>
<p>我在 Samsung Health Monitor 應用程式中看不到我的心電圖結果。</p>	<p>確保您的 Galaxy Watch 使用 Galaxy Wearable 應用程式透過藍牙與 Galaxy 電話進行配對。如果您仍然沒有看到結果, 請嘗試透過點擊右上角的同步來同步數據。</p>
<p>我不斷地取得不佳記錄結果。</p>	<p>不佳記錄結果可能是由於傳感器上的污垢、水分不足、皮膚接觸不足或心電圖測量期間用戶移動引起的信號中的「雜聲」。</p> <ul style="list-style-type: none"> • 清潔手錶背面、手錶接觸的手腕以及您用於測量的指尖。 • 確保 Galaxy Watch 緊貼您的手腕, 將您的前臂舒適地放在桌子上, 然後進行心電圖檢查。 • 嘗試將手錶戴在手腕上, 稍微遠離腕骨, 朝向肘部, 接觸皮膚的效果更理想。 • 某些生理條件可能會阻止某些人獲得足夠強的信號以供心電圖應用程式測量和分析。

<p>我不斷地取得不確定的結果。</p>	<p>如果您認為自己有醫療緊急情況，請立即聯絡您當地的緊急服務。</p> <ul style="list-style-type: none"> ● 不確定的結果可能來自潛在的高或低心率，或其他非 AFib 或竇性心律的心律。 高心率也可以是正常的，例如在運動或情緒壓力期間。這也可能是身體對脫水、發燒、感染或其他情況（包括心房纖顫或其他心律失常）的反應。保持靜止 5-10 分鐘，然後再次嘗試進行心電圖檢查。 ● 不確定的結果可能是因為心率超過 120 BPM 並且心律為心房纖顫。 <p>如果您重覆取得不確定的結果，請聯絡您的醫生。</p>
<p>我的心電圖波形上下顛倒。</p>	<p>反向波形可能是由於手腕選擇錯誤造成的。請檢查您的手腕設定，並選擇錄製心電圖的手腕。</p>
<p>手腕方向重設為左邊</p>	<p>Wear OS 更新時，手腕方向重設為預設設定(左邊)。請檢查您的手腕設定，並選擇錄製心電圖的手腕。</p>

Samsung Health Monitor Application (ECG App)



Samsung Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 16677,
Republic of Korea www.samsung.com



Samsung electronics GmbH

Am Kronberger Hang 6, 65824
Schwalbach am Taunus,
Germany



Please read these Instructions for Use carefully to use the product properly.







eIFU indicator

Document Number: 360049 (Date: Nov. 20, 2020)

1. About these Instructions for Use




1.1 Symbols

Symbols used in the these Instructions for Use

Symbol	Name	Description
	Cautions	Indicate content that you must follow to avoid any problem or inaccurate measurement resulting from misuse of the Samsung Health Monitor application.
	Manufacturer	Indicate manufacturer of the Samsung Health Monitor.
	Consult Instructions for Use	Indicate that user shall read Instructions for Use carefully to use the product properly before use
	Authorised representative	Indicate information of authorised representative for EU.

Symbols used in the Samsung Health Monitor

The symbols used in the Samsung Health Monitor can be changed.

Symbol	Name	Description
	Cautions	Indicate content that you must follow to avoid any problem or inaccurate measurement resulting from misuse of the Samsung Health Monitor application
	Cautions	Indicate content that you must follow to avoid any problem or inaccurate measurement resulting from misuse of the Samsung Health Monitor application
	Average heart rate	Indicate an average heart rate during ECG measurement.

1.2 Instructions for Use provided in Electronic form

The Instructions for Use of the Samsung Health Monitor are provided in electronic form and are available in the Samsung Health Monitor application and on its web site within samsung.com.

If you need Instructions for Use in paper form, you can request it by calling at the Official Samsung Support center in your country.

2. Intended Purpose

The Samsung ECG Application is an **over-the-counter (OTC)** software-only, mobile medical application operating on a compatible Samsung Galaxy Watch and Phone. The app is intended to create, record, store, transfer, and display a single channel electrocardiogram (ECG), similar to a Lead I ECG for adults 22 years and older. Classifiable traces are labeled by the app as either atrial fibrillation (AFib) or sinus rhythm with the intention of aiding heart rhythm identification; it is not intended to replace traditional methods of diagnosis or treatment. The app is not intended for users with other known arrhythmias and users should not interpret or take clinical action based on the device output without consultation of a qualified healthcare professional. The ECG and rhythm classification may be used by users with or without known AFib as data that may be shared with a qualified healthcare professional.

3. Contraindications








DO NOT use the ECG App if you are younger than 22 years old.





DO NOT use the ECG App if you have an implanted pacemaker, implanted cardiac defibrillator, or other implanted electronic devices.

DO NOT use the ECG App if you have known arrhythmia other than Atrial Fibrillation.

4. Cautions

Please follow the Cautions listed below. If you do not follow them, the ECG App may not be able to record accurate measurements.

	The ECG App cannot diagnose cardiac conditions or look for signs of a heart attack.
	The ECG App is not meant to replace traditional methods of diagnosis or treatment by a qualified healthcare professional. If you think you are having a medical emergency, contact your local emergency services immediately.
	DO NOT change your medications or dosage without first consulting your doctor.
	DO NOT interpret or take clinical action based on the ECG App measurements without first consulting with a qualified healthcare professional.
	DO NOT take ECG measurements during any physical activity.
	DO NOT take ECG measurements when the Galaxy Watch is close to strong electromagnetic fields (for example, magnetic resonance imaging (MRI) or X-Ray equipment, electromagnetic anti-theft systems, and metal detectors).
	For security reasons, always pair the Galaxy phone and Galaxy watch via Bluetooth in a private (home- based) setting. It is NOT recommended that pairing be done in a public space.

	DO NOT take ECG measurements during a medical procedure (for example, surgery or external defibrillation procedures).
	DO NOT take ECG measurements when the Galaxy Watch is outside of the following conditions: <ul style="list-style-type: none"> • Temperature: 54 °F – 104 °F/12 °C – 40 °C • Humidity: 30% – 90% relative humidity
	Make sure that the finger used to record the ECG is uncovered and free of any bruises, scars, or cuts.
	Certain physiological conditions can prevent some people from having a strong enough signal for the ECG App to detect and analyze.

5. Getting Started

The ECG app consists of Galaxy phone app (ECG-Android) and Galaxy Watch app (ECG-Tizen). The app can be accessed via Samsung Health Monitor application. The ECG App requires a Galaxy Active2 with Tizen version 4.0.0.8 or later, or a later Watch model than the Galaxy Active2 that is paired with a Galaxy phone running Android Nougat or later.

1. Make sure that your Galaxy Watch is paired with your Galaxy phone using Bluetooth.
2. If the ECG App is installed on your Galaxy phone, open the Samsung Health Monitor app and follow the onscreen instructions to set up your profile.

If the ECG App is not installed on your Galaxy phone, install the Samsung Health Monitor App from the Galaxy store and then install the latest update of the Galaxy Wearable software. After installing the update, open the Samsung Health Monitor application and follow the onscreen set-up instructions.

6. Recording an ECG Using Your Galaxy Watch

6. Open the Samsung Health Monitor application on your Galaxy Watch.
7. Make sure the Galaxy Watch is snug on your wrist.
8. Rest your forearms comfortably on a table and then rest a fingertip of the opposite hand *lightly* on the Galaxy Watch's Home key for 30 seconds. Remain still and do not talk while the Galaxy Watch takes the measurement. When the recording process has finished, the ECG results will appear on your watch. Note: **Don't Press** the Home key during recording; pressing the Home key during recording will stop the recording.
9. Scroll up and down to see your ECG result. If you are experiencing symptoms, tap **Add**, and on the **Symptoms** screen, scroll through the list and tap each symptom you are experiencing. Then tap **Save** to add the symptoms to your ECG report and to return to the **Results** screen.
10. Tap **Done** to go back to the **Start** screen. You can review your ECG report in the ECG app on your phone. (Note that syncing requires that the watch and phone are paired using Bluetooth.)

7. Reviewing Your ECG Reports on Your Galaxy Phone

After you take an ECG, the ECG data is synced to the paired Galaxy phone where a PDF report is created.

1. Open the Samsung Health Monitor app on your Galaxy phone.
2. Tap the thumbnail to see your latest ECG report, or tap **View history** to see all the available reports.

You may get any of the four following results:

- **Sinus Rhythm**—This result means that during the recording the heart was beating in a regular rhythm with a heart rate of 50–100 beats per minute (BPM).
 - **Caution:** A Sinus Rhythm result does not guarantee that you are not experiencing an arrhythmia or other health condition. If you are not feeling well, contact your doctor.
- **Atrial Fibrillation (AFib)**—This result means that during the recording the heart was beating in an irregular rhythm with a heart rate of 50–120 BPM. If you get this result, contact your doctor for guidance.
- **Inconclusive**—This result means that the ECG recording could not be classified because the heart rate was either too high or too low, or the rhythm was not Atrial Fibrillation or Sinus Rhythm. If you get this result repeatedly, contact your doctor.
 - **Conditions that lead to an Inconclusive result:**
 - The heart rate during the recording was less than 50 BPM (low heart rate*), or
 - the heart rate was greater than 100 BPM (high heart rate**) and rhythm was not Atrial Fibrillation, or
 - the heart rhythm was not Sinus or Atrial Fibrillation, or
 - the heart rhythm was Atrial Fibrillation and the heart rate was greater than 120 BPM

* A low heart rate can be normal, such as in well-trained athletes. It can also be caused by certain medications or conditions associated with abnormal electrical activity within the heart.

** A high heart rate can be normal, such as during exercise or emotional stress. It can also be a response to dehydration, fever, infection or other conditions including atrial fibrillation or other arrhythmia.

- **Poor Recording**—This result means the ECG App was not able to analyze the data. A poor recording usually happens because your body moved during recording or the Galaxy Watch did not have enough skin contact with your wrist or finger. If you get this result repeatedly, refer to “Recording an ECG Using Your Galaxy Watch,” above

8. Safety and Performance

The clinical validation for ECG App tested its accuracy in detecting Sinus Rhythm and Atrial Fibrillation in ECG recordings for 544 subjects. The ECG App rhythm classifications were compared with rhythm classifications performed by a board-certified cardiologists using a 12-lead ECG. The ECG App had a sensitivity of 98.1% in detecting AFib and specificity of 100% in classifying sinus rhythm for all classifiable recordings.

During clinical trials, 16.8% of ECG recordings were either inconclusive or poor recording. If all of these recordings are included, the sensitivity of the ECG App is 87.1% and specificity to detect sinus rhythm is 82.5%. Real-world performance may have more inconclusive and poor recordings.

The ECG PDF report was compared against a standard Lead 1 ECG for key intervals (PR, RR), QRS duration and amplitude. No adverse events were reported during this clinical trial.

* Note: Based on a study conducted at one clinical study facility between September 2019 and April 2020. The clinical site was responsible for determining the accuracy of irregular rhythm measurement. Patient age under 22 was excluded from this study

9. Troubleshooting

If you have problems using your ECG App, check below table for possible solutions.

Problem	Solution
I can't activate the ECG feature of Samsung Health Monitor on my phone.	<ul style="list-style-type: none"> • Make sure that the ECG App is approved for use in your country. • Make sure you have an active cellular connection when you activate the Samsung Health Monitor app.
I cannot find the ECG App on my Galaxy Watch.	<p>Check that your Galaxy Watch is compatible with the ECG App. The ECG App requires a Galaxy Active2 with Tizen version 4.0.0.8 or later, or a later Watch model than the Galaxy Active2 that is paired with a Galaxy phone running Android Nougat or later.</p> <p>If your Galaxy Watch is compatible, install the Samsung Health Monitor App on the phone and upgrade your Galaxy Wearable software to the latest Maintenance Release (MR).</p>
I cannot record my ECG.	<p>Dry or cool skin, not enough skin contact, hairy wrist, pressing the Home key or user movement can cause the ECG app to shut down, to not start recording, or to stop recording.</p> <p>Before taking an ECG:</p> <ul style="list-style-type: none"> • Put some moisturizing lotion on your hands and wrist. • If your hands and arms are cold, remove the Galaxy Watch and rub the wrist gently to warm up the skin. Put the Galaxy Watch back on and try again to record an ECG. • Try wearing the watch on your wrist slightly away from your wristbone toward your elbow to create better skin contact. <p>During the recording process make sure</p> <ul style="list-style-type: none"> • Your forearms are resting on a table. • Your fingertip fully covers the Home key. • You do not move your arms or talk. • You do not press the Home key. • Your finger is resting <i>lightly</i> on the Home key for the 30 seconds it takes to do the recording. <p>If the ECG App continues to shut down as soon as you open it, it may be a software issue. Restart the Galaxy Watch and try again.</p> <p>If you still cannot get a successful recording, it might be because the watch may not be able to detect a strong enough signal to record your ECG.</p>

I don't see my ECG results in the Samsung Health Monitor App.	Make sure your Galaxy Watch is paired via Bluetooth with the Galaxy phone using the Galaxy Wearable application. If you still don't see your results, try to sync the data by tapping Sync in the upper right corner.
I am repeatedly getting a Poor Recording result.	<p>A Poor Recording result may be due to “noise” in the signal caused by dirt on the sensors, lack of moisture, insufficient skin contact, or user movement during the ECG measurement.</p> <ul style="list-style-type: none"> • Clean the back of the Watch, the wrist the Watch is contacting and the fingertip you're using for the measurement. • Make sure the Galaxy Watch is snug on your wrist, rest your forearms comfortably on a table, and then take the ECG. • Try wearing the watch on your wrist slightly away from your wristbone toward your elbow to create better skin contact. • Certain physiological conditions can prevent some people from having a strong enough signal for the ECG App to detect and analyze.
I am repeatedly getting an Inconclusive result.	<p>If you think you are having a medical emergency, contact your emergency services immediately.</p> <ul style="list-style-type: none"> • An Inconclusive result may be from a potentially high or low heart rate or another heart rhythm that is not AFib or Sinus Rhythm. <ul style="list-style-type: none"> o A high heart rate can be normal, such as during exercise or emotional stress. It can also be a response to dehydration, fever, infection or other conditions including atrial fibrillation or other arrhythmia. Stay still for 5–10 minutes and try taking the ECG again. • An Inconclusive result could be because the heart rate is more than 120 BPM and the rhythm is Atrial Fibrillation. <p>If you get Inconclusive result repeatedly, contact your doctor.</p>
My ECG waveform appears upside down.	An inverted waveform could be due to the wrong wrist selection. Please check your wrist setting and select the wrist that the ECG is recorded from.
Wrist orientation is reset to left	The wrist orientation is reset to the default setting (left) with Wear OS update. Please check your wrist setting and select the wrist that the ECG is recorded from.