

## Enabling Accessibility Features on Android

This guide was created by the **Aphasia Tech Hub**.

Have more **questions** or would like a **personal consult** with a member of our team?

[Click here!](#)

## About this guide

This **guide** is about **accessibility features** on an **Android phone**.

**Android** is an **operating system**.

**Accessibility features** make your phone easier to use.

To **use** this **guide** you must **have** a **smart phone**.

Your **smart phone** must **use** the **Android operating system**

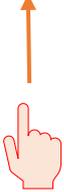
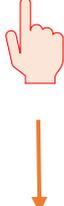
This **guide** has a **glossary**.

The **meaning** of **some words** is in the **glossary**.

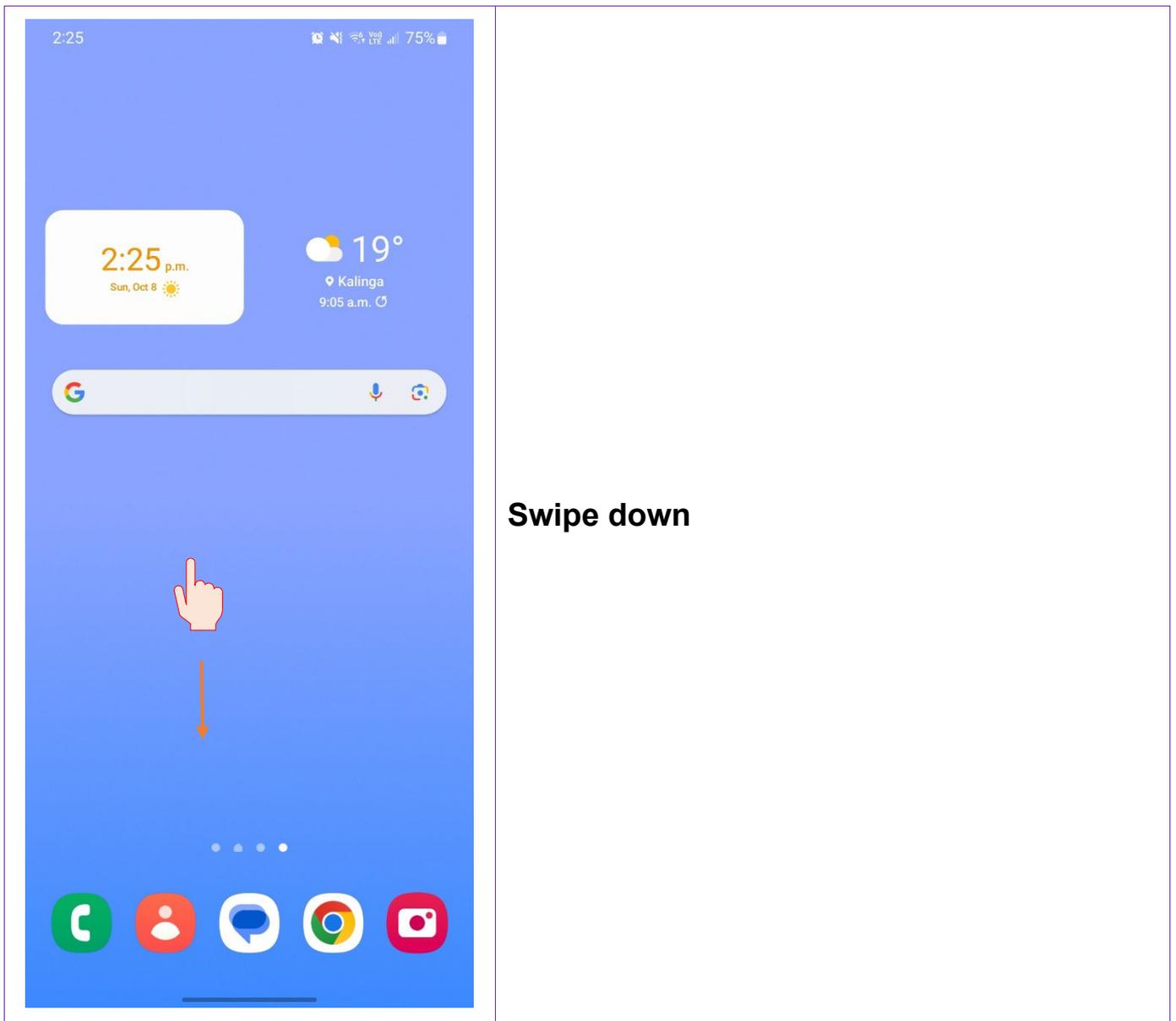
The **glossary** is at the **end** of this **guide**.

## Symbols

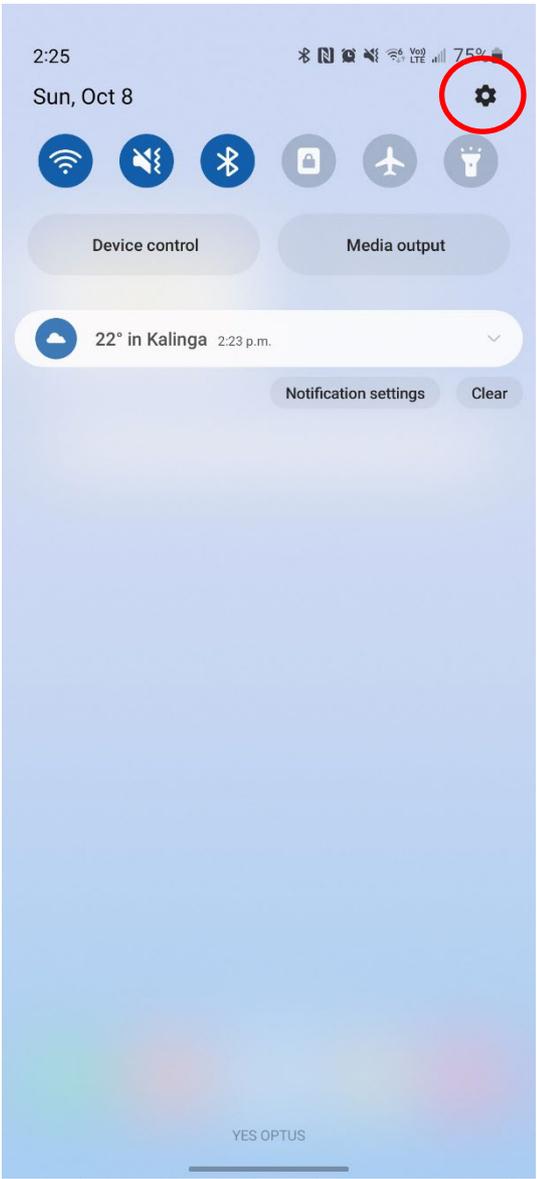
Common symbols in this guide:

	<p><b>Tap or look here</b></p>
	<p><b>Hold finger down here</b></p>
	<p>Shows <b>where</b> on the picture the <b>object</b> or item is</p>
	<p><b>Drag finger up</b> screen</p>
	<p><b>Drag finger down</b> screen</p>

## Turn on TalkBack



**Swipe down**



2:25 Sun, Oct 8 75%

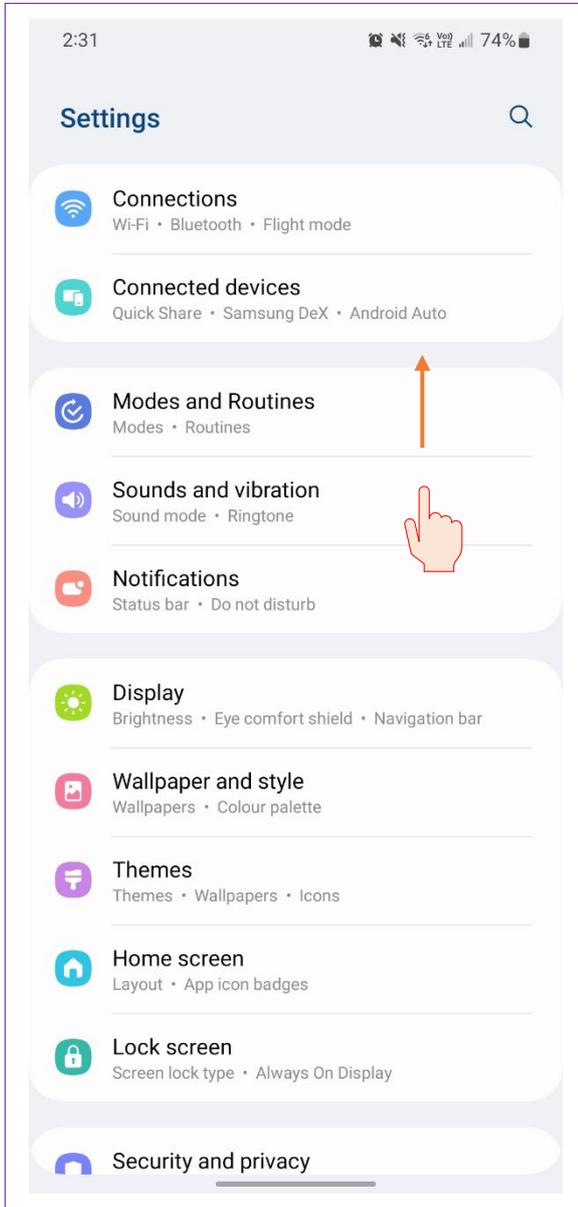
Device control Media output

22° in Kalinga 2:23 p.m.

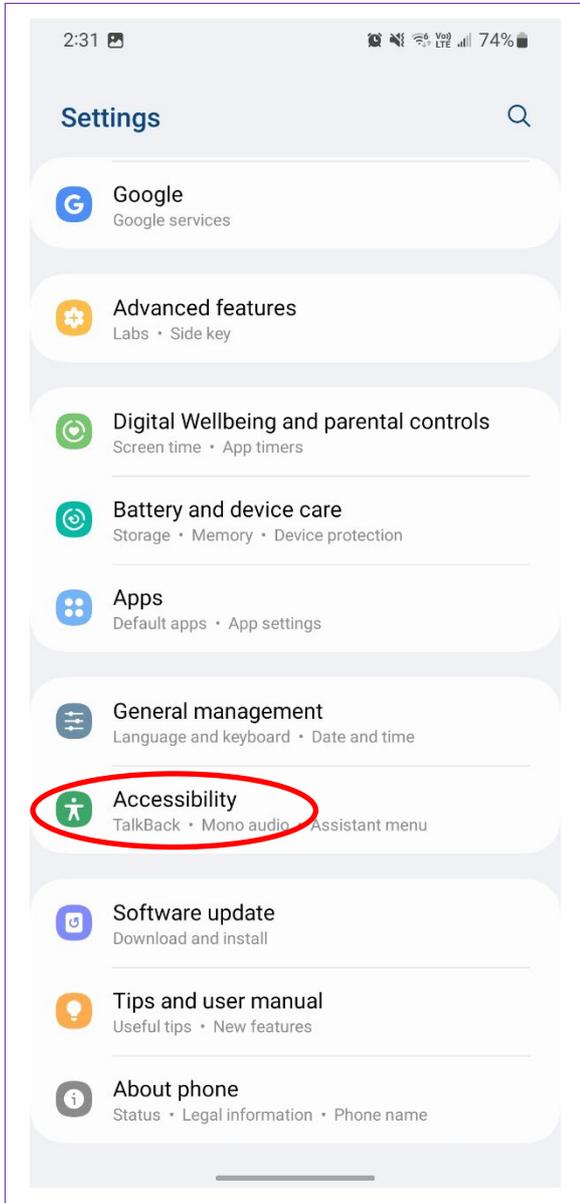
Notification settings Clear

YES OPTUS

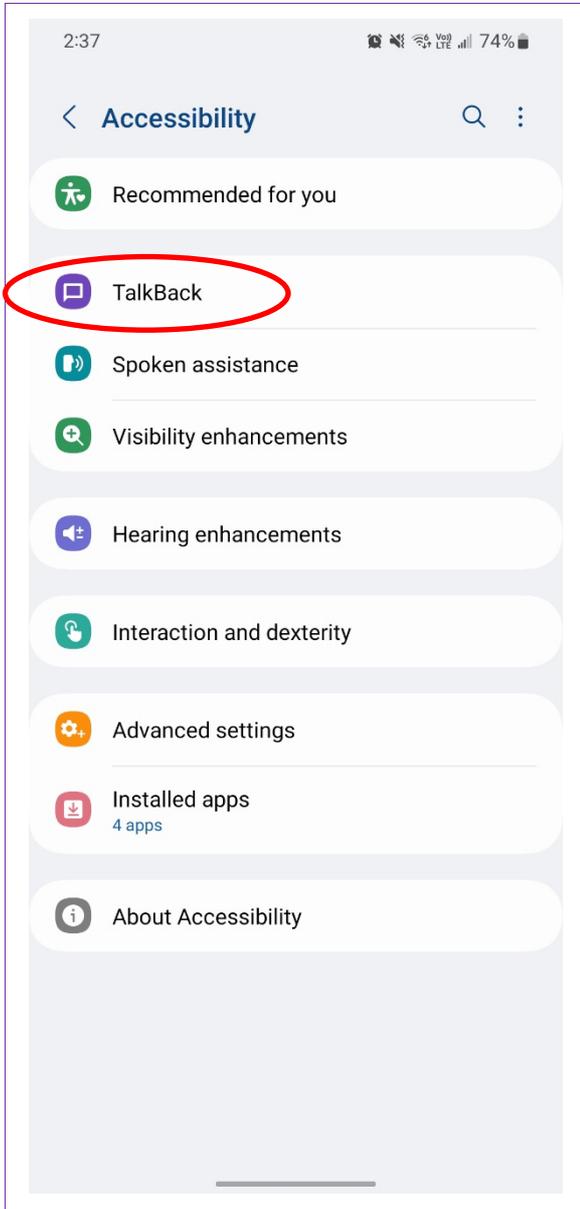
Tap 



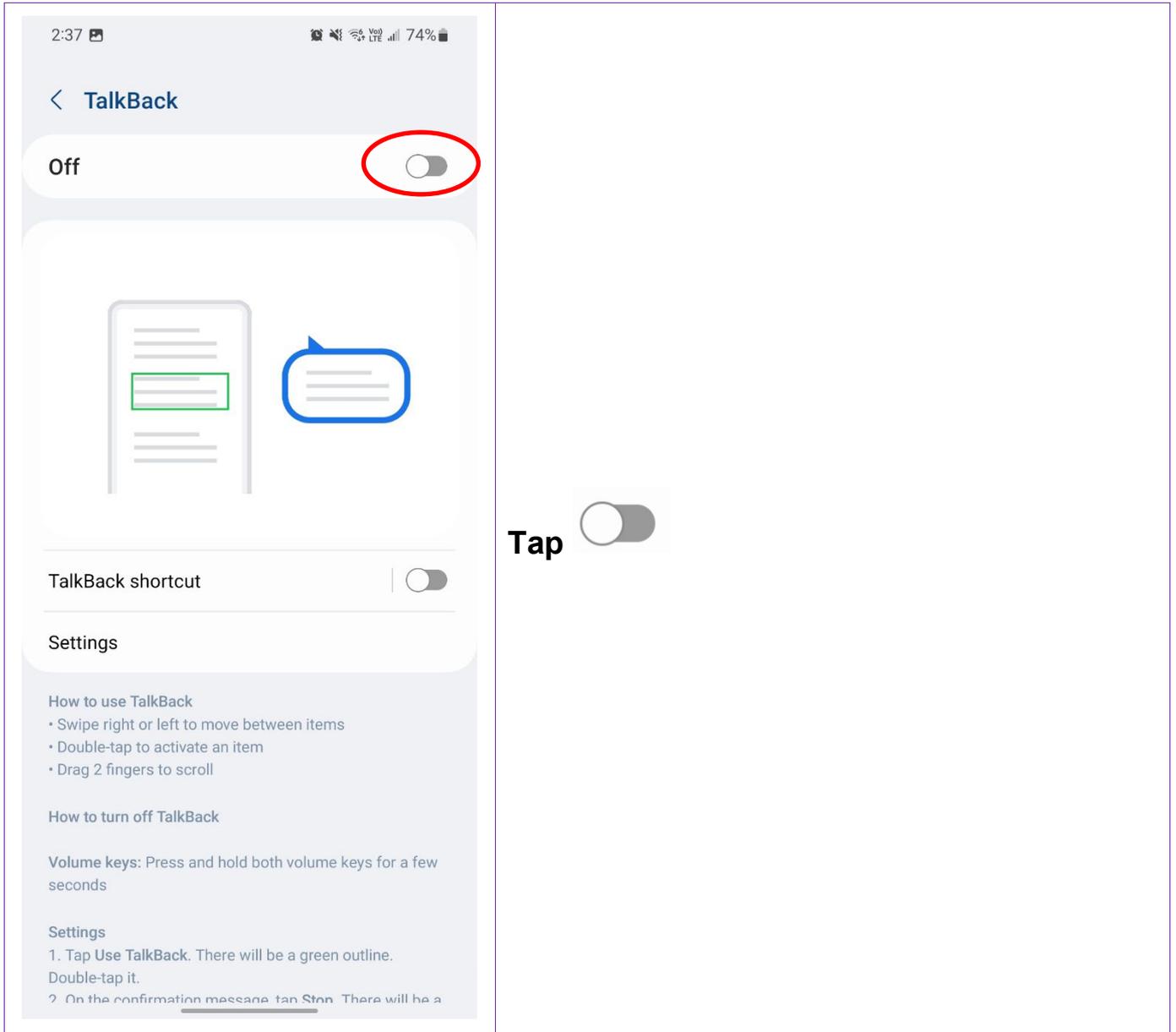
**Swipe up** to scroll down the page



## Tap Accessibility



**Tap TalkBack**



2:37 [Battery icon] [Signal icons] 74%

< TalkBack

Off

TalkBack shortcut

Settings

How to use TalkBack

- Swipe right or left to move between items
- Double-tap to activate an item
- Drag 2 fingers to scroll

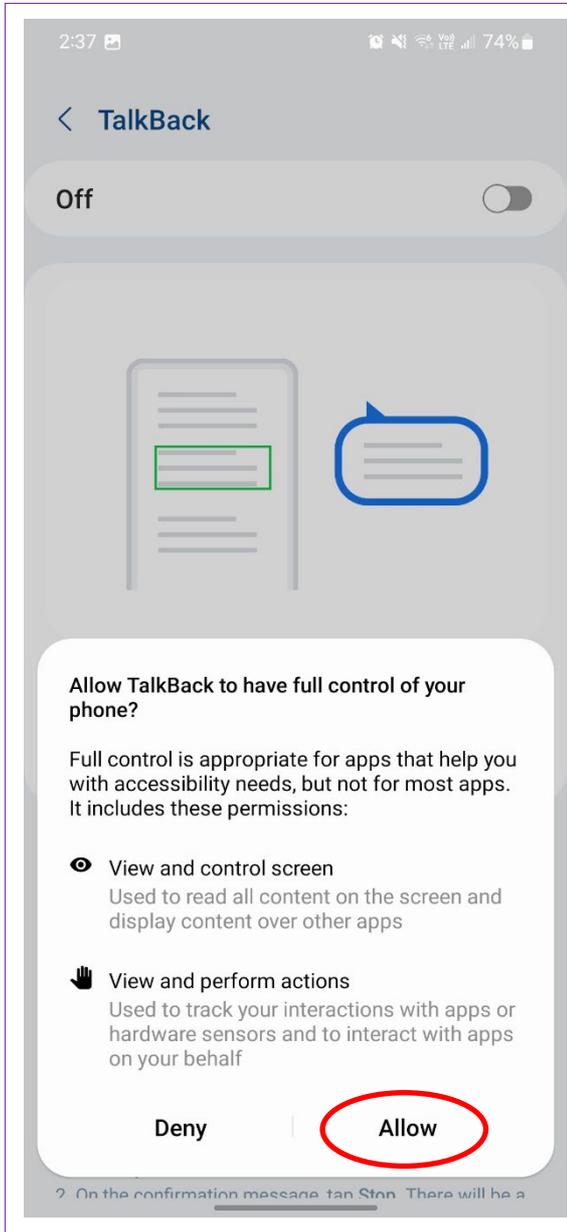
How to turn off TalkBack

Volume keys: Press and hold both volume keys for a few seconds

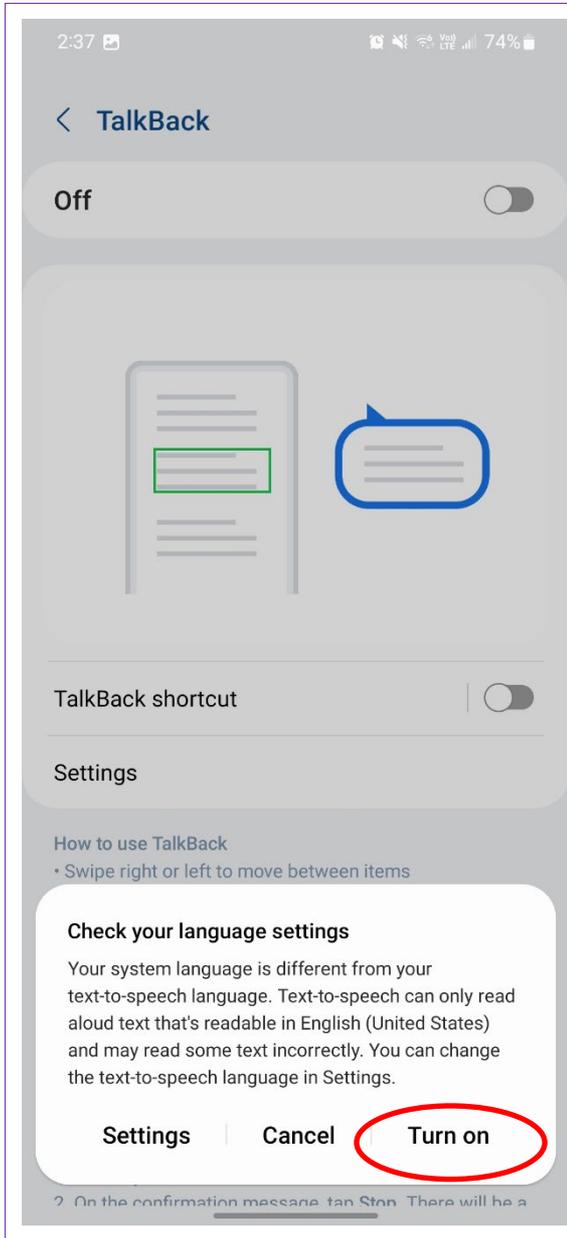
Settings

1. Tap Use TalkBack. There will be a green outline. Double-tap it.
2. On the confirmation message, tap Stop. There will be a

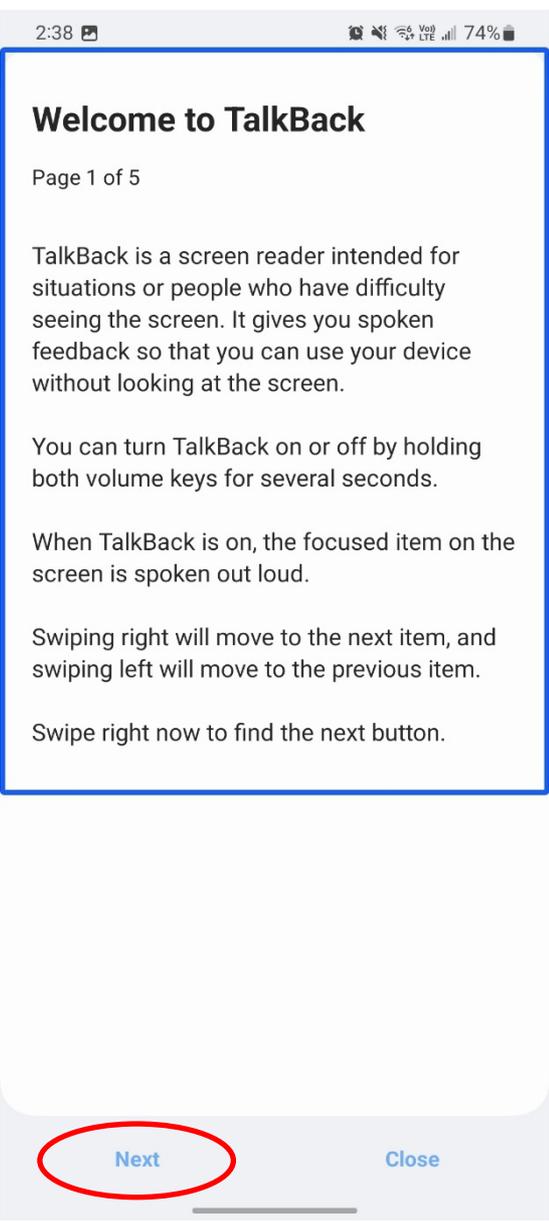
Tap



**Tap allow.**



**Tap turn on**



2:38 74%

## Welcome to TalkBack

Page 1 of 5

TalkBack is a screen reader intended for situations or people who have difficulty seeing the screen. It gives you spoken feedback so that you can use your device without looking at the screen.

You can turn TalkBack on or off by holding both volume keys for several seconds.

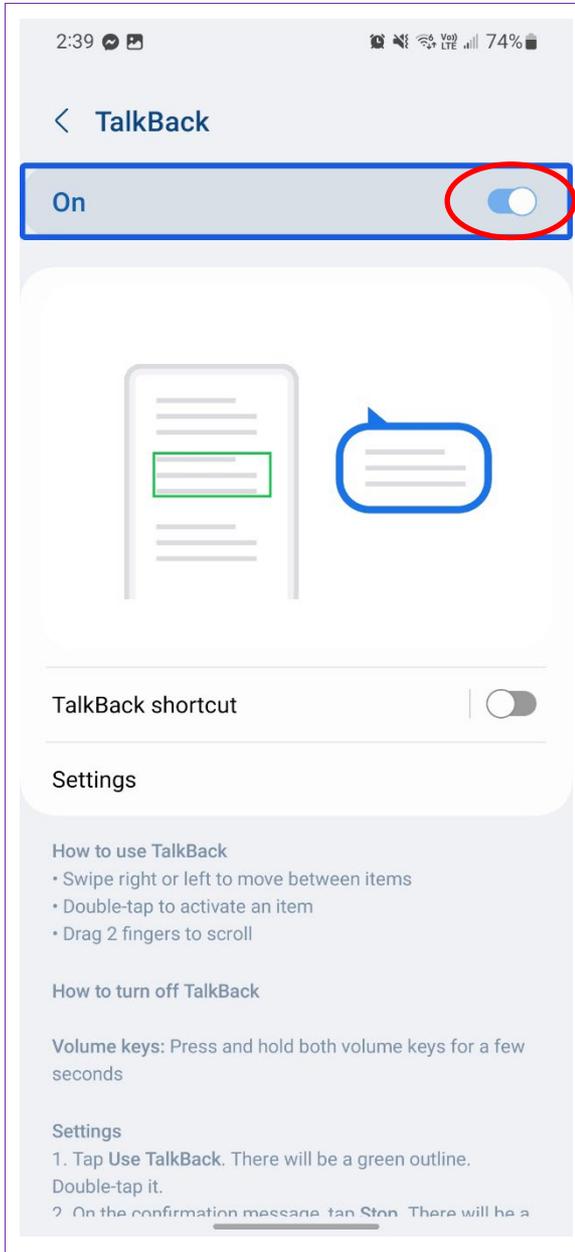
When TalkBack is on, the focused item on the screen is spoken out loud.

Swiping right will move to the next item, and swiping left will move to the previous item.

Swipe right now to find the next button.

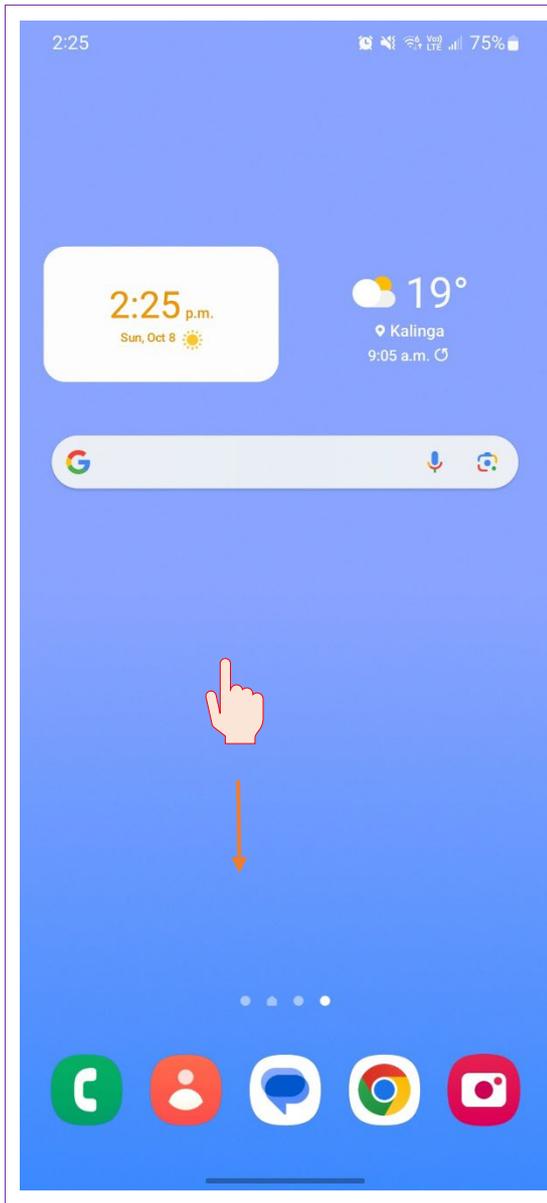
**Next** Close

**Hit next to go through tutorial**

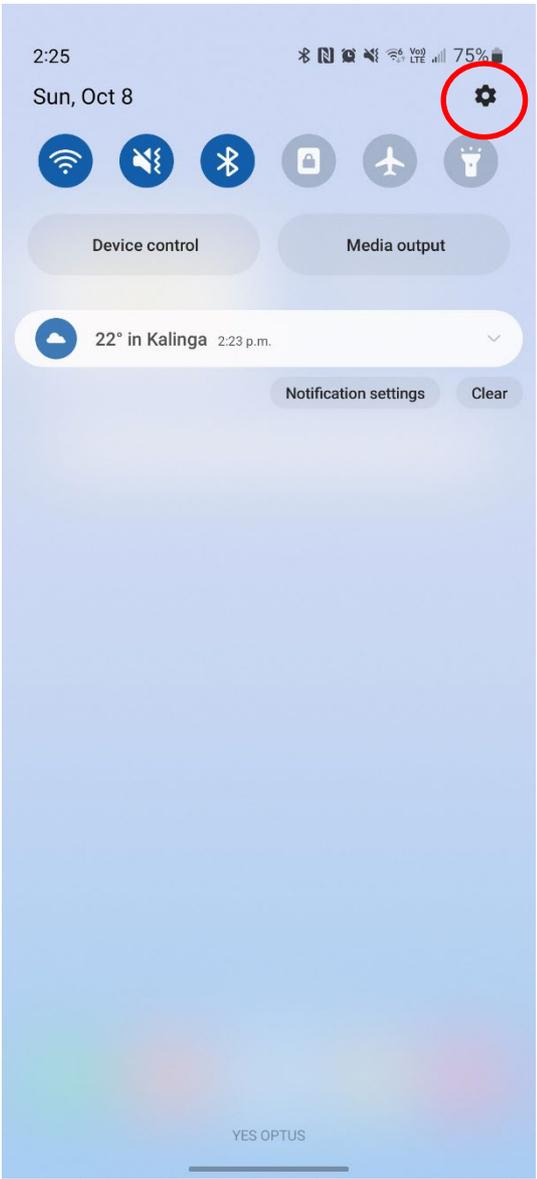


**Blue slider mean it is on**

## Turn on Spoken Assistance



**Swipe down**



2:25 Sun, Oct 8 75%

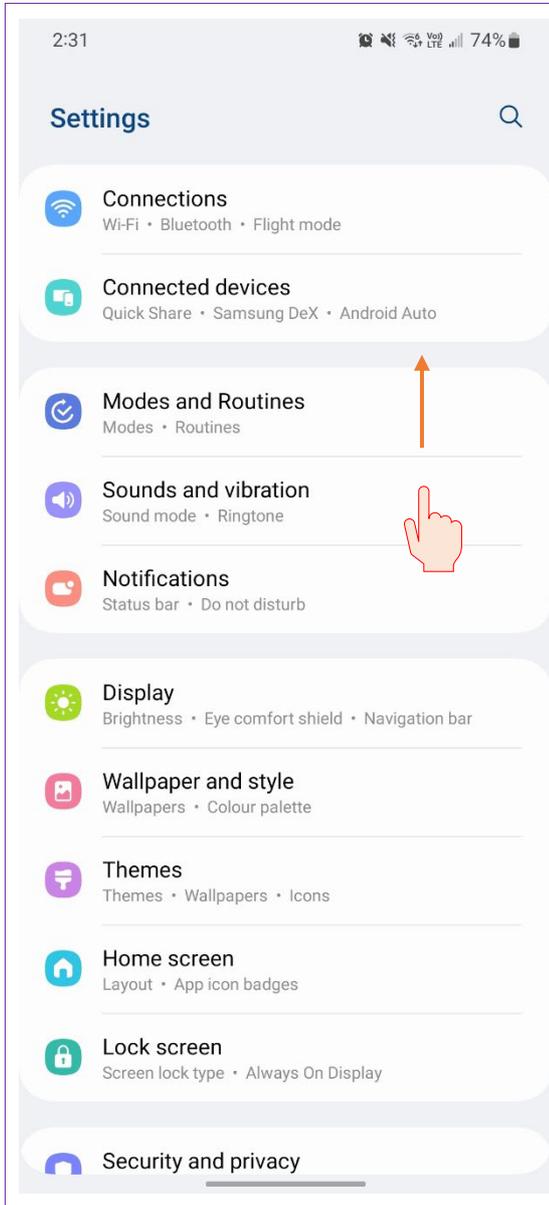
Device control Media output

22° in Kalinga 2:23 p.m.

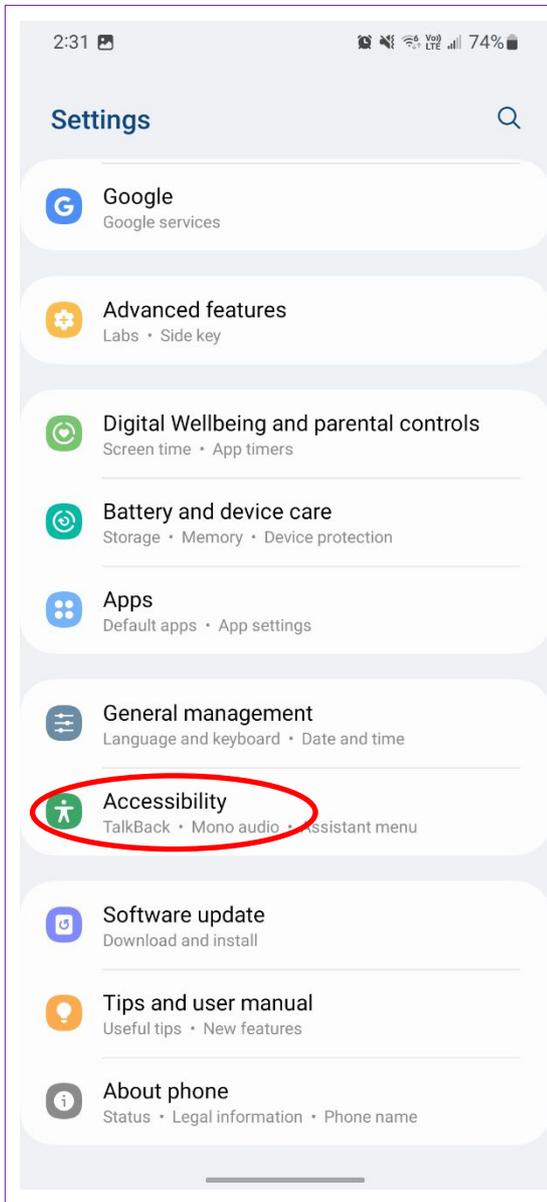
Notification settings Clear

YES OPTUS

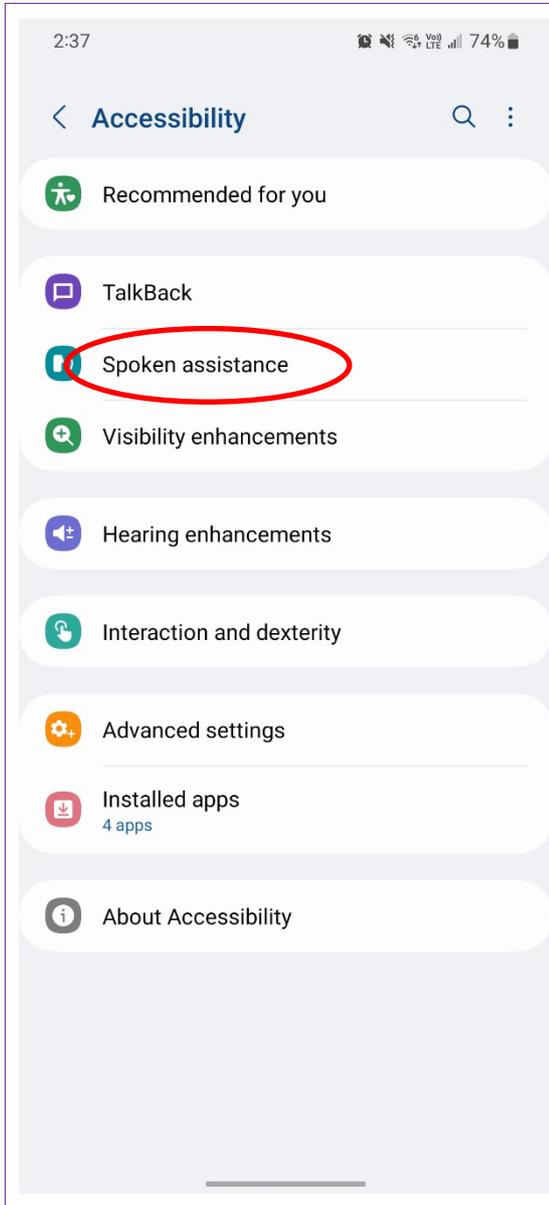
Tap 



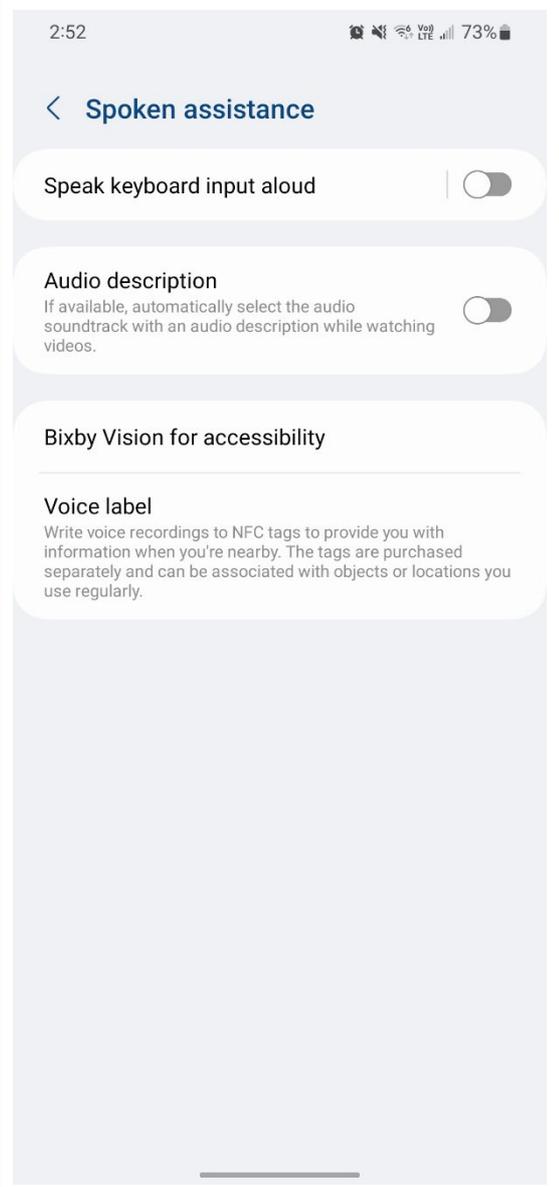
**Swipe up** to scroll down the page



## Tap Accessibility



**Tap Spoken Assistance**



2:52  73%

< **Spoken assistance**

Speak keyboard input aloud

**Audio description**  
If available, automatically select the audio soundtrack with an audio description while watching videos.

**Bixby Vision for accessibility**

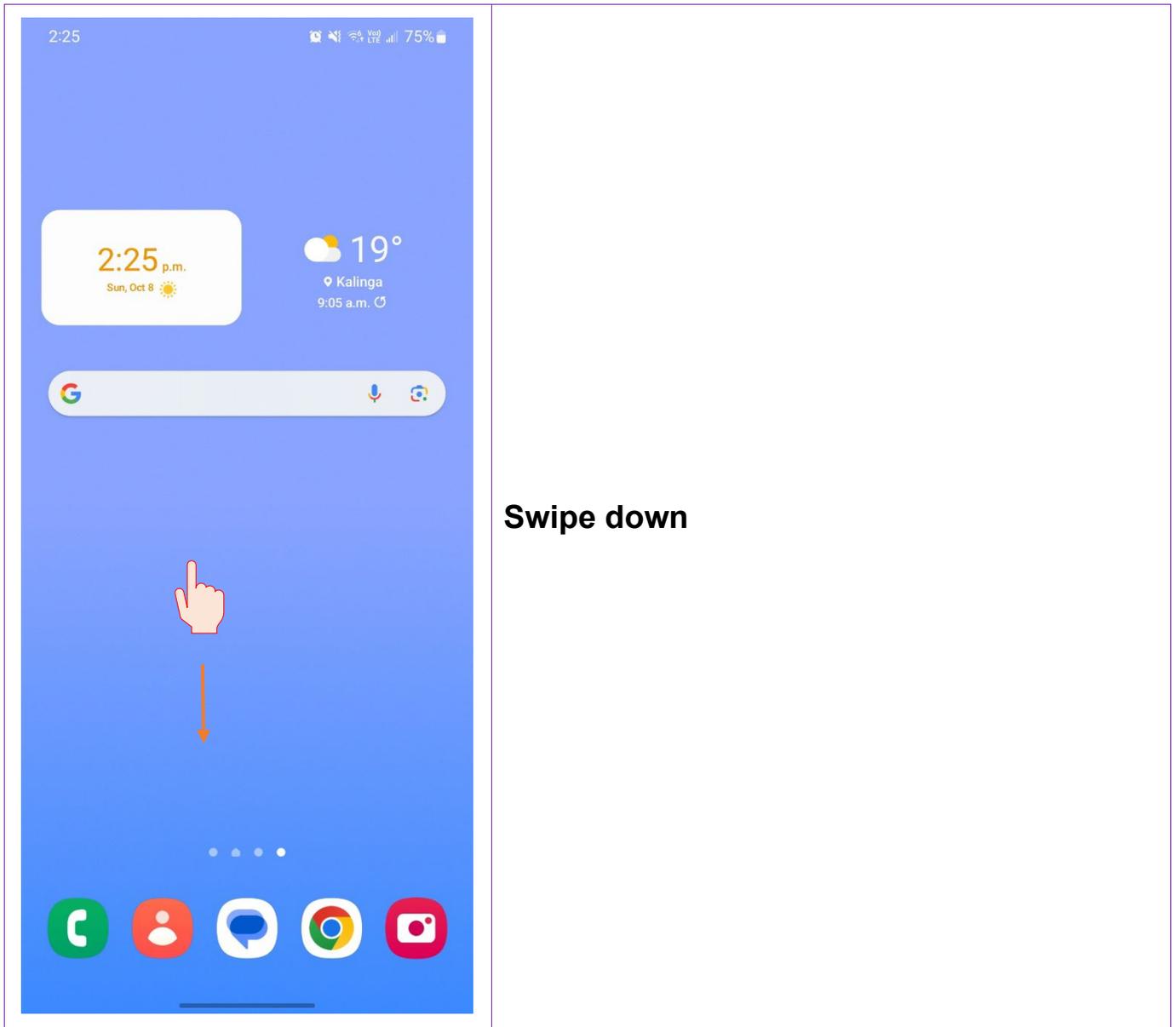
**Voice label**  
Write voice recordings to NFC tags to provide you with information when you're nearby. The tags are purchased separately and can be associated with objects or locations you use regularly.

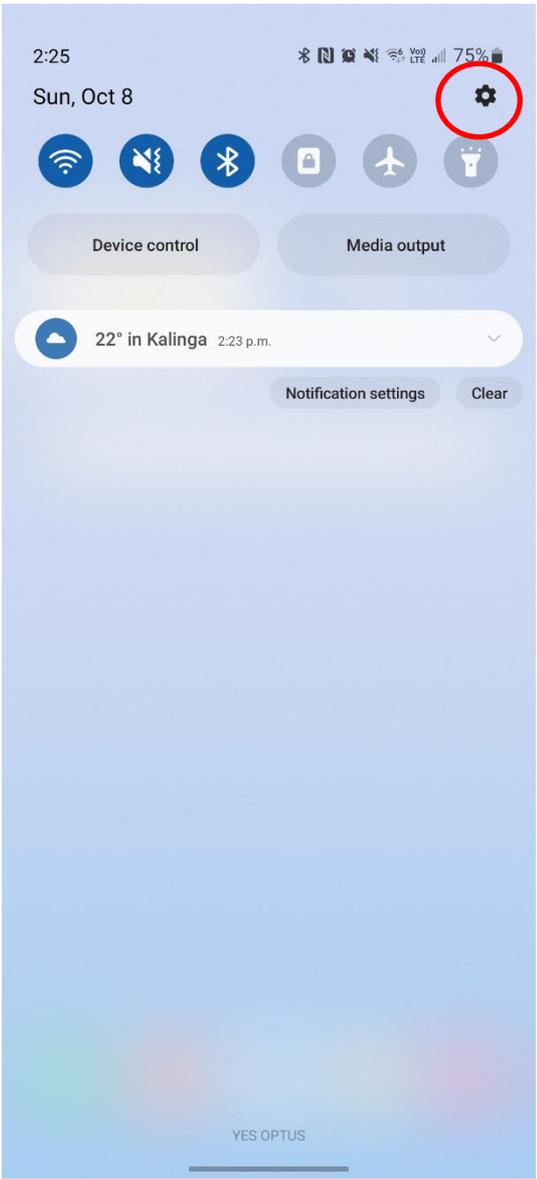
**Tap the slider**

 **Blue means it is on**

 **Grey means it is off**

## Open Visibility Enhancements





2:25 Sun, Oct 8 75%

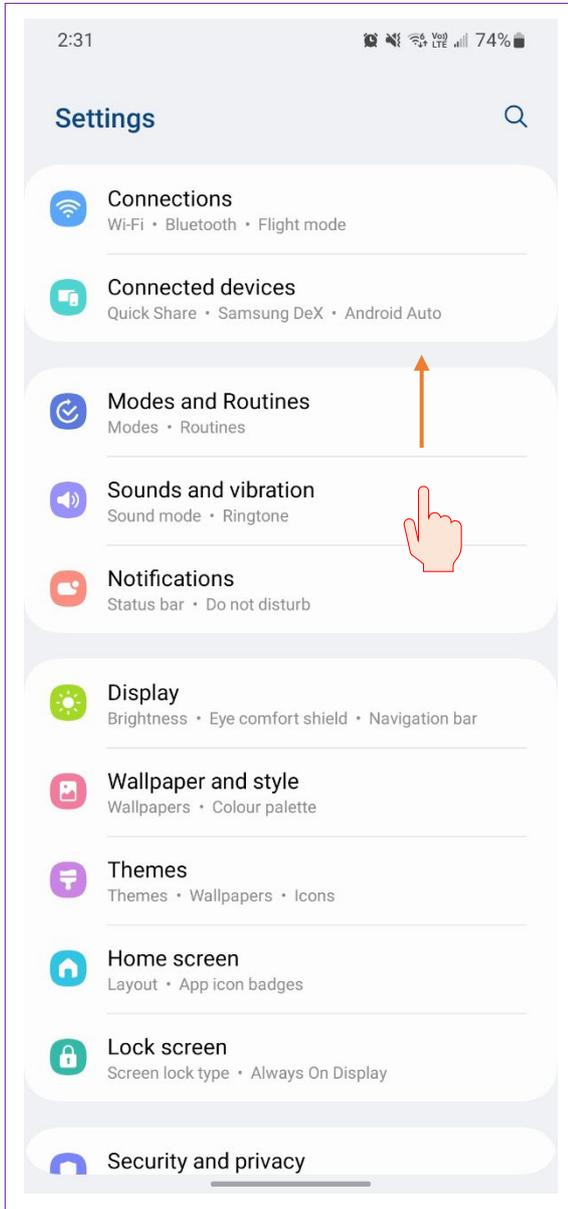
Device control Media output

22° in Kalinga 2:23 p.m.

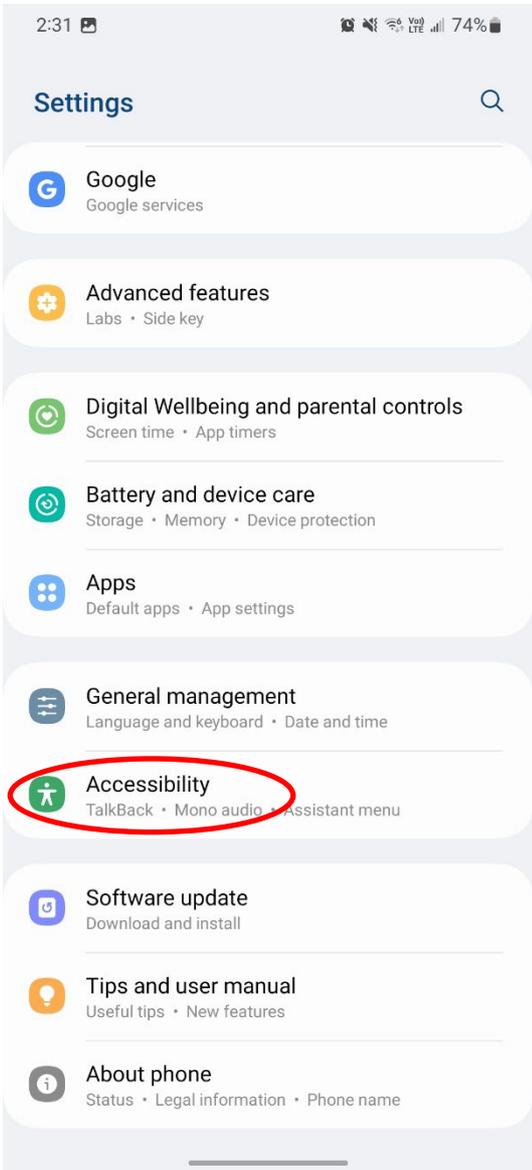
Notification settings Clear

YES OPTUS

Tap 

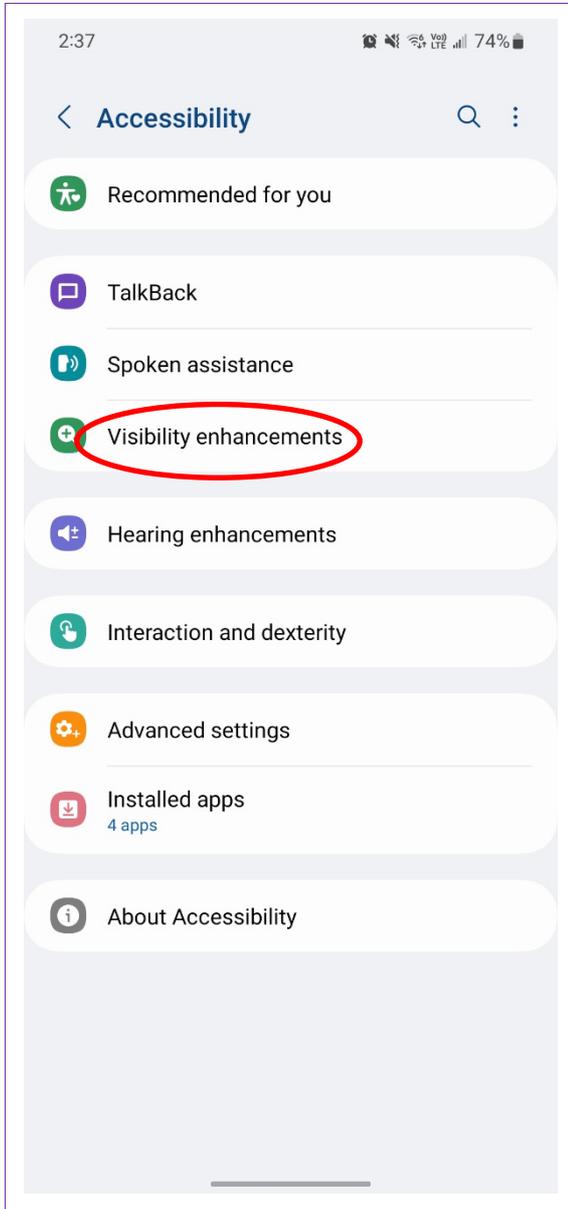


**Swipe up to scroll down the page**

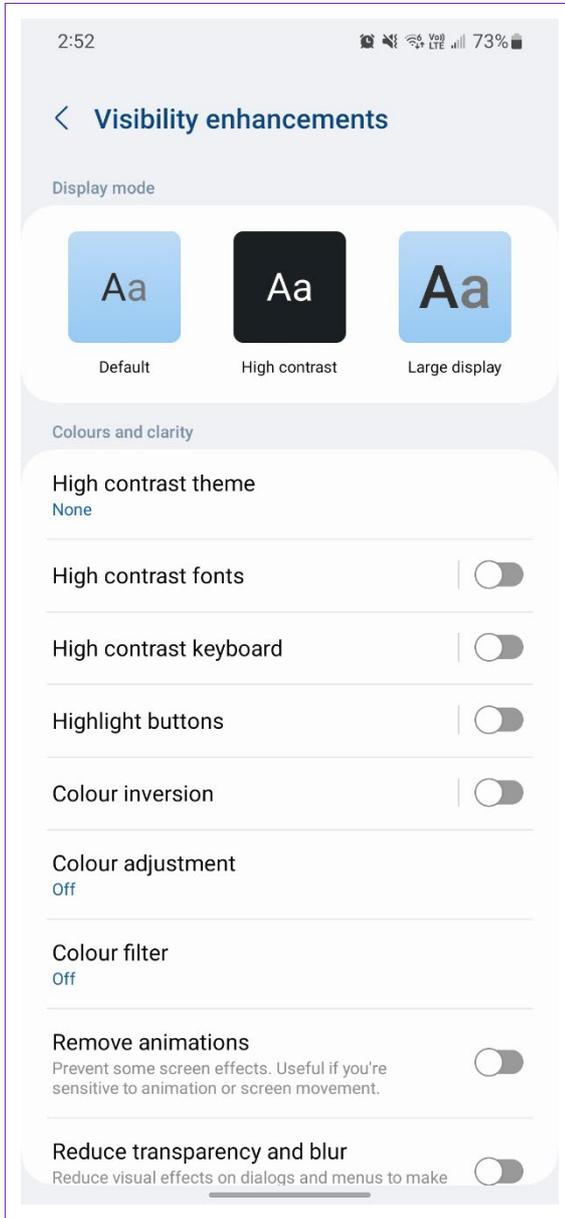


The screenshot shows the 'Settings' app on an iPhone. The 'Accessibility' option is circled in red. The text 'Tap Accessibility' is written to the right of the screenshot.

**Tap Accessibility**



**Tap Visibility Enhancements**



**Tap the slider** to turn on features

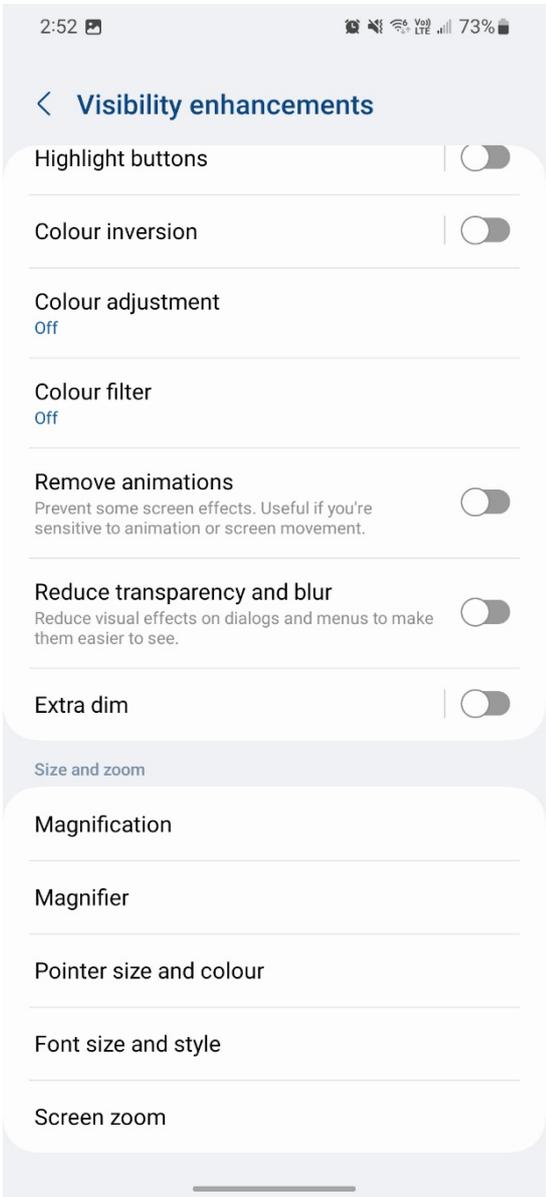


**Blue** means it is **on**



**Grey** means it is **off**

**Swipe up** to see **more** options



The screenshot shows the 'Visibility enhancements' settings on an iPhone. The 'Highlight buttons' toggle is turned on (blue). Other toggles like 'Colour inversion', 'Remove animations', 'Reduce transparency and blur', and 'Extra dim' are turned off (grey). Below this is the 'Size and zoom' section with options for Magnification, Magnifier, Pointer size and colour, Font size and style, and Screen zoom.

**Tap the slider to turn on features**

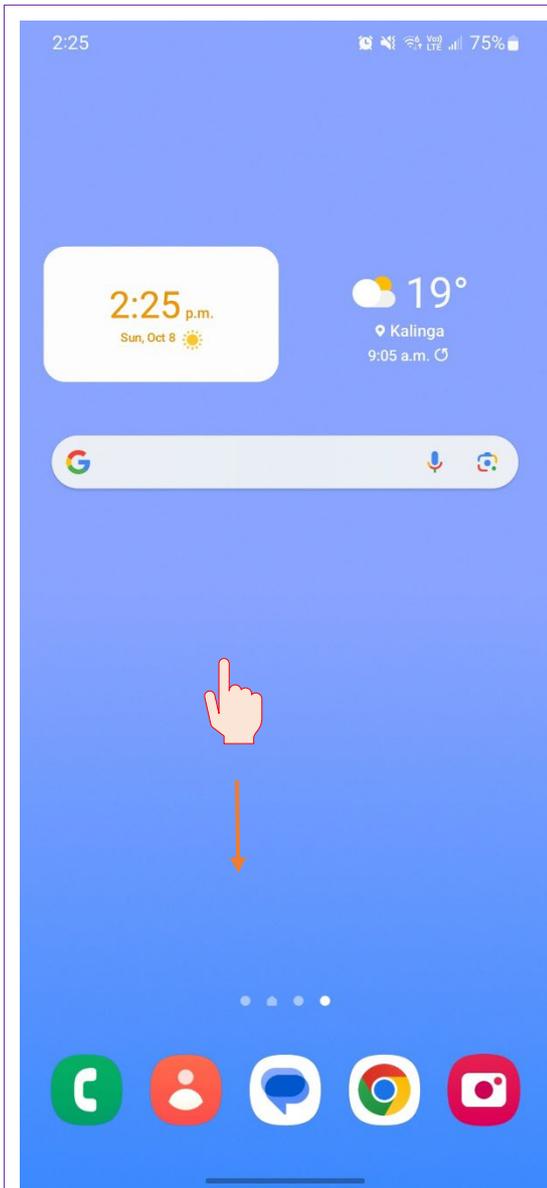


**Blue means it is on**

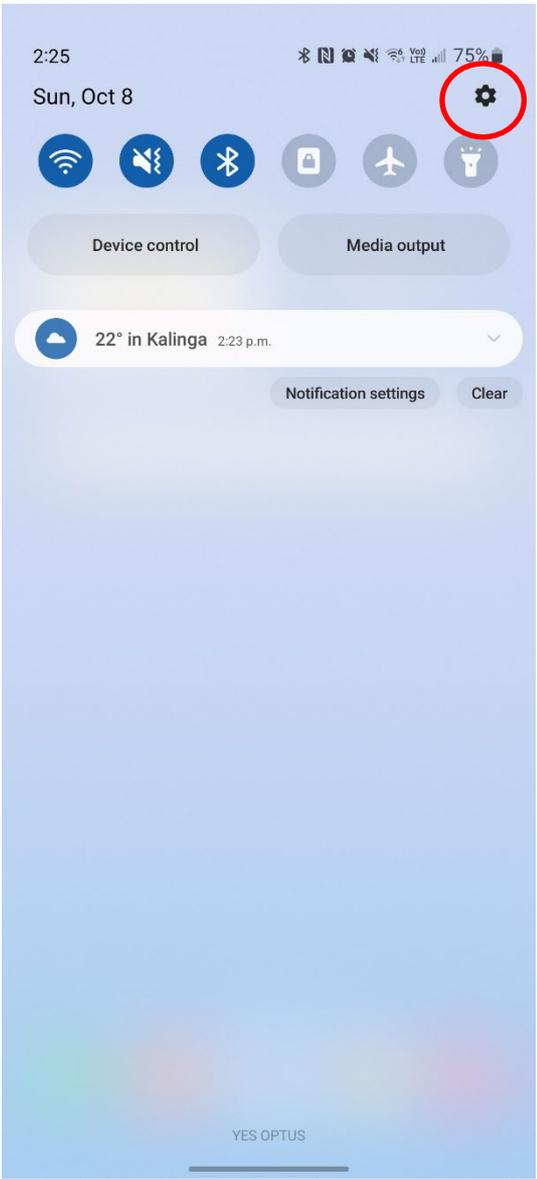


**Grey means it is off**

## Open Hearing Enhancements



**Swipe down**



2:25 Sun, Oct 8

75%

Settings gear icon circled in red

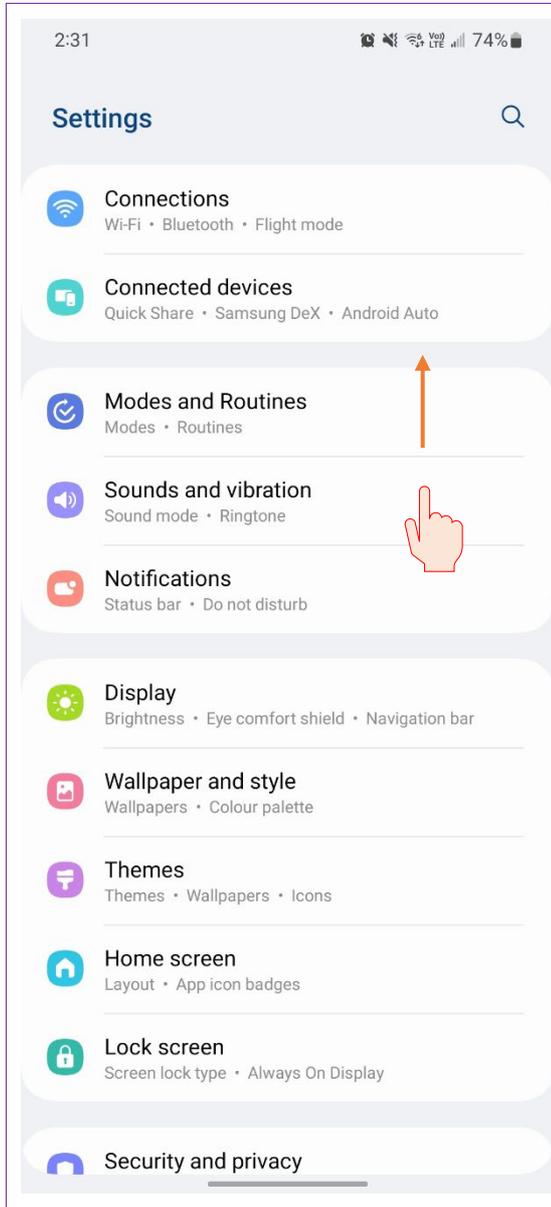
Device control Media output

22° in Kalinga 2:23 p.m.

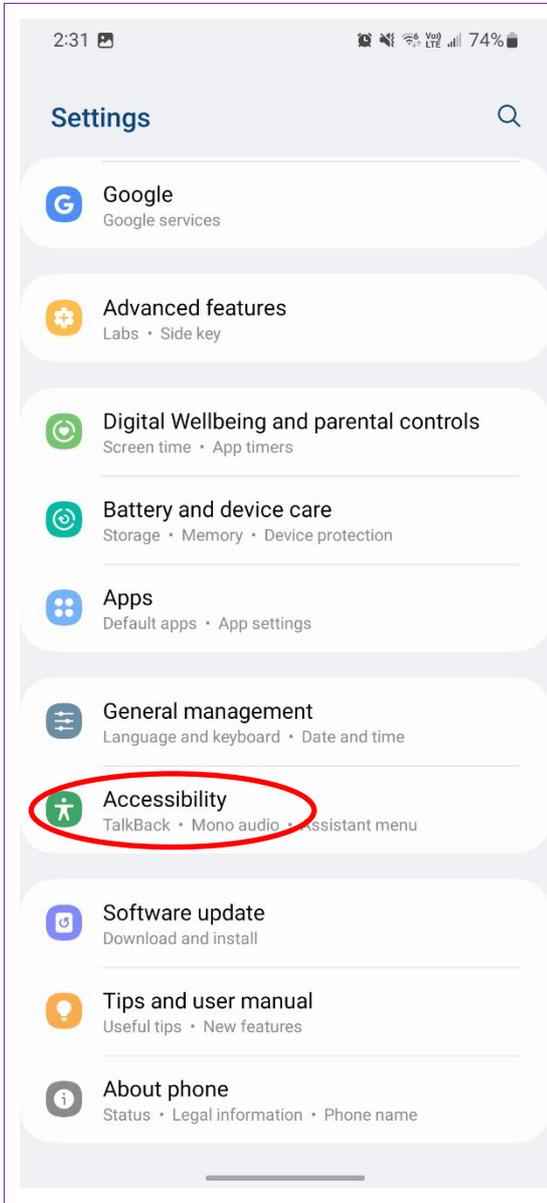
Notification settings Clear

YES OPTUS

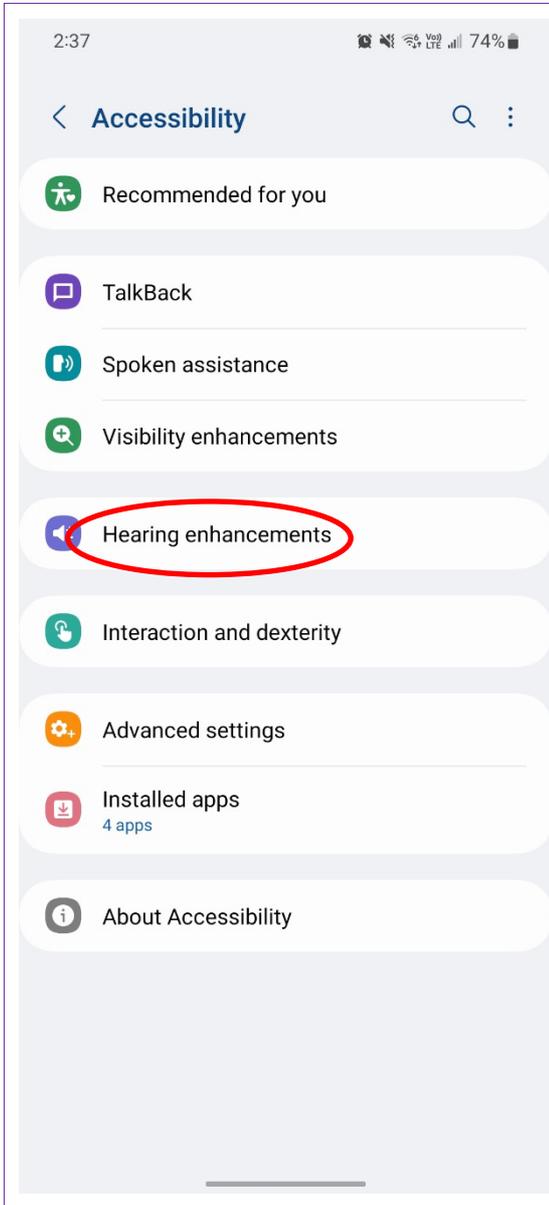
Tap 



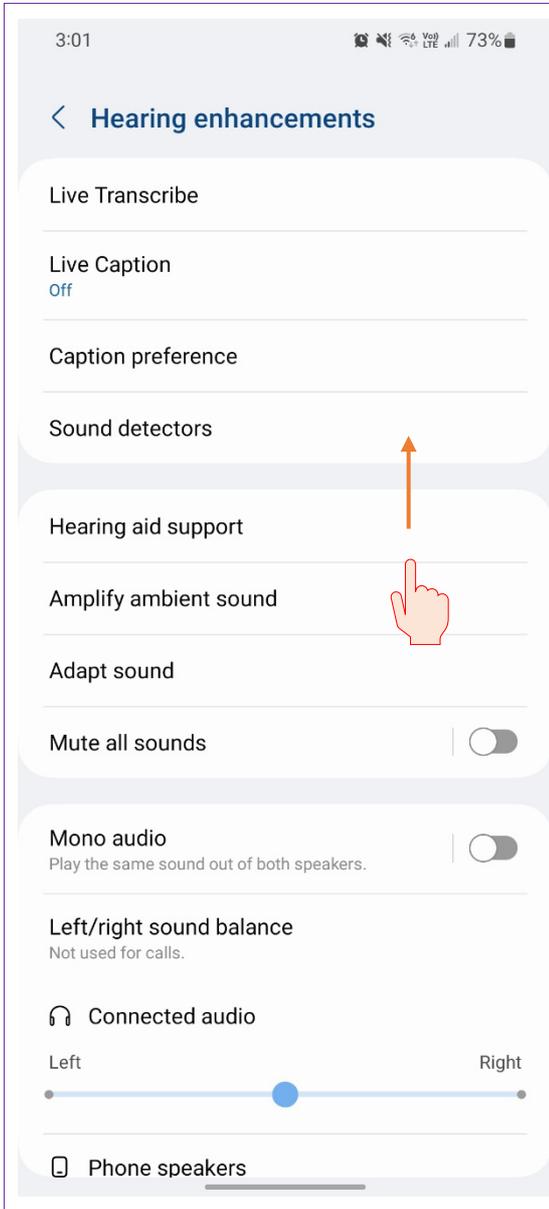
**Swipe up** to scroll down the page



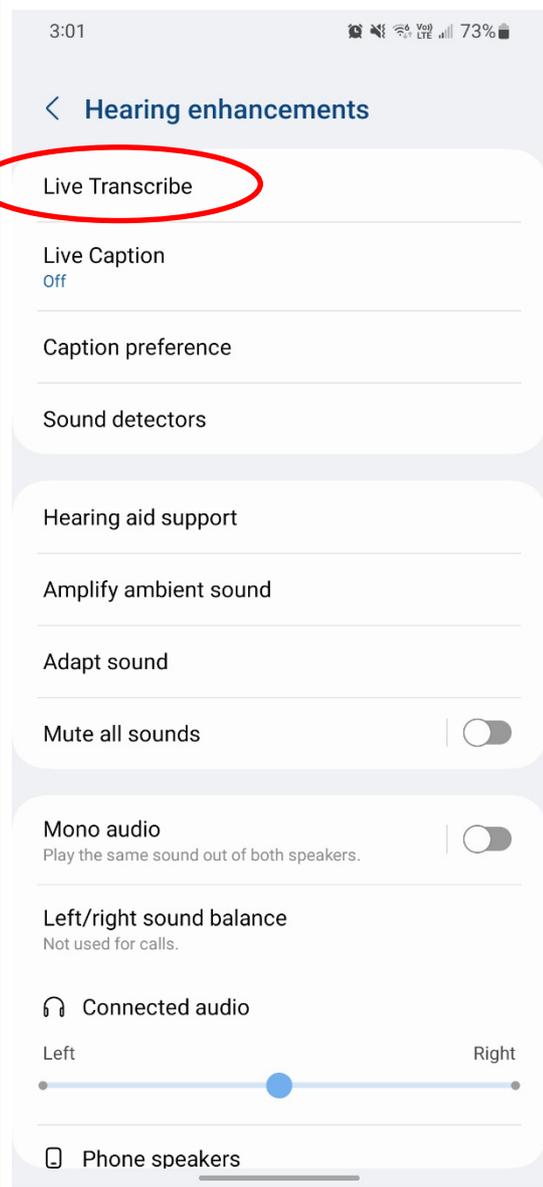
## Tap Accessibility



**Tap Hearing Enhancements**



**Swipe up for more options**



3:01 73%

< **Hearing enhancements**

**Live Transcribe**

Live Caption  
Off

Caption preference

Sound detectors

Hearing aid support

Amplify ambient sound

Adapt sound

Mute all sounds

Mono audio   
Play the same sound out of both speakers.

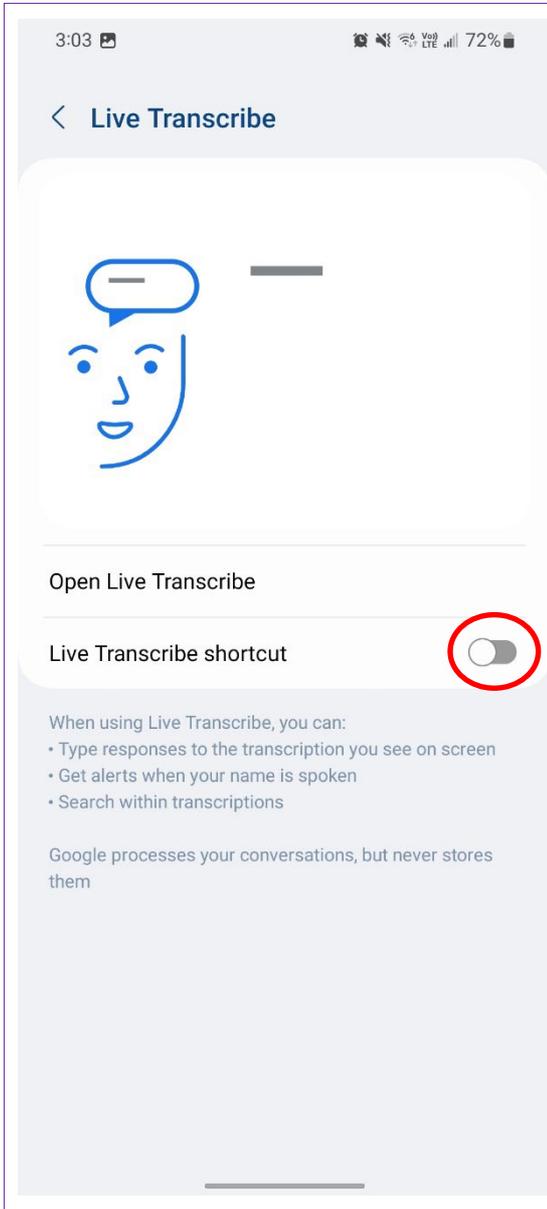
Left/right sound balance  
Not used for calls.

Connected audio

Left Right

Phone speakers

**Tap the item you want to turn on**



**Tap the slider to turn on feature**



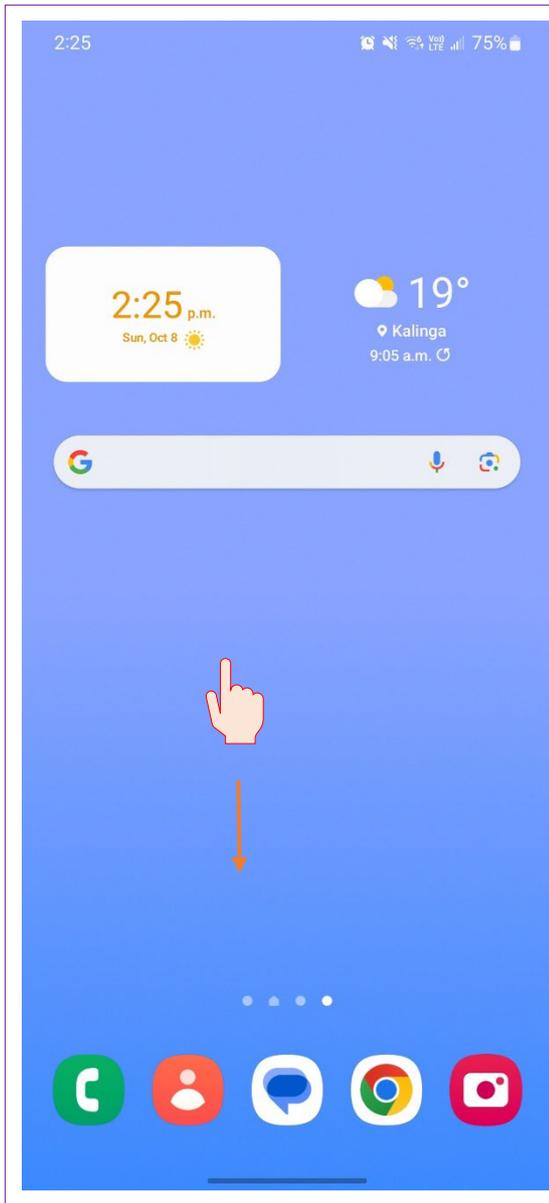
**Blue means it is on**



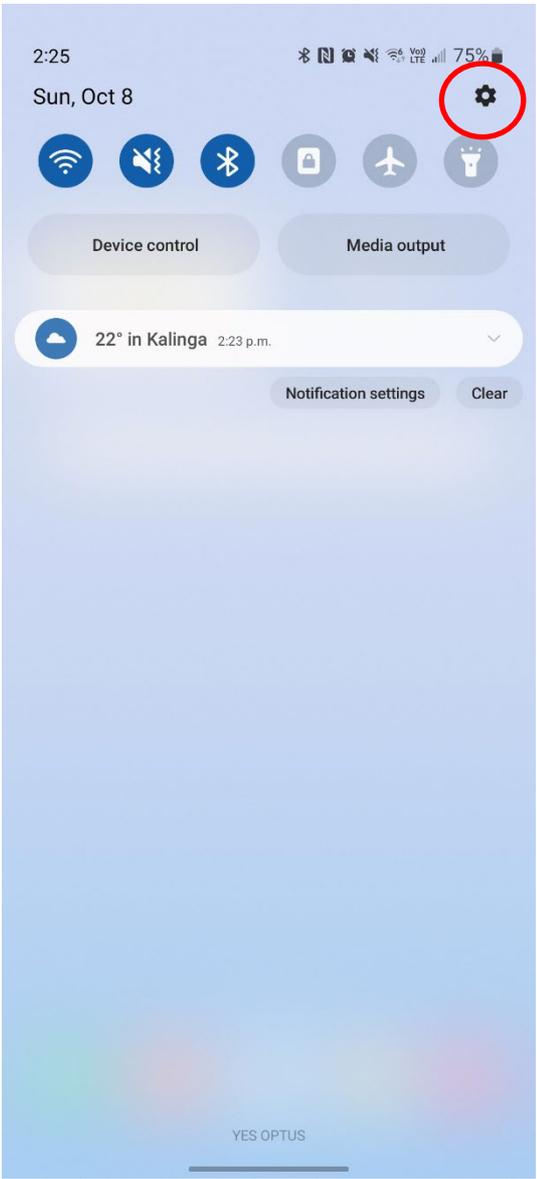
**Grey means it is off**

**Repeat for other options**

## Open Interaction and Dexterity



**Swipe down**



2:25 Sun, Oct 8 75%

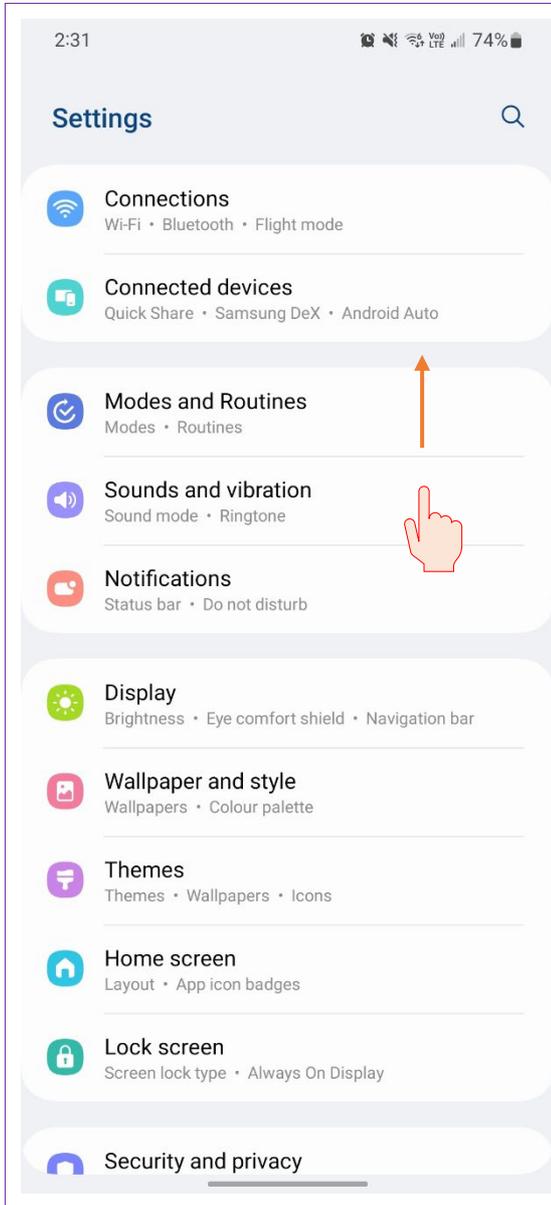
Device control Media output

22° in Kalinga 2:23 p.m.

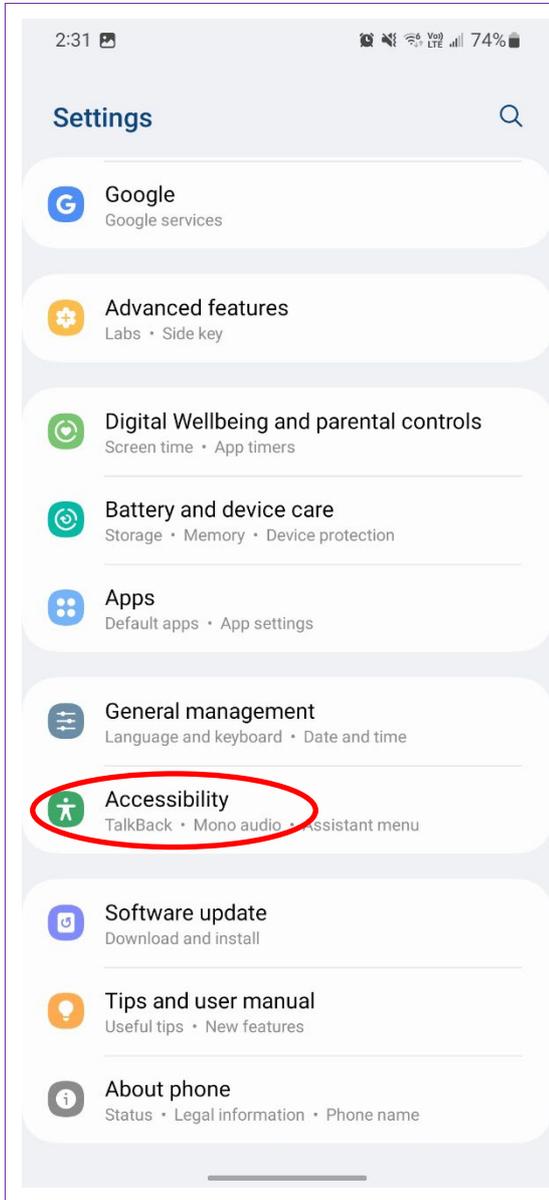
Notification settings Clear

YES OPTUS

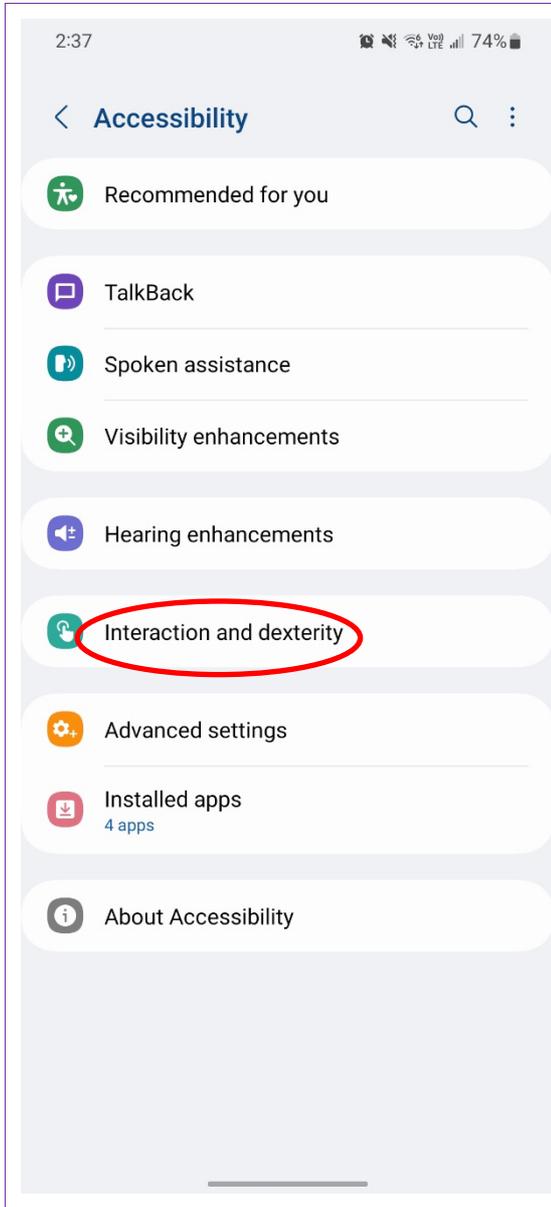
Tap 



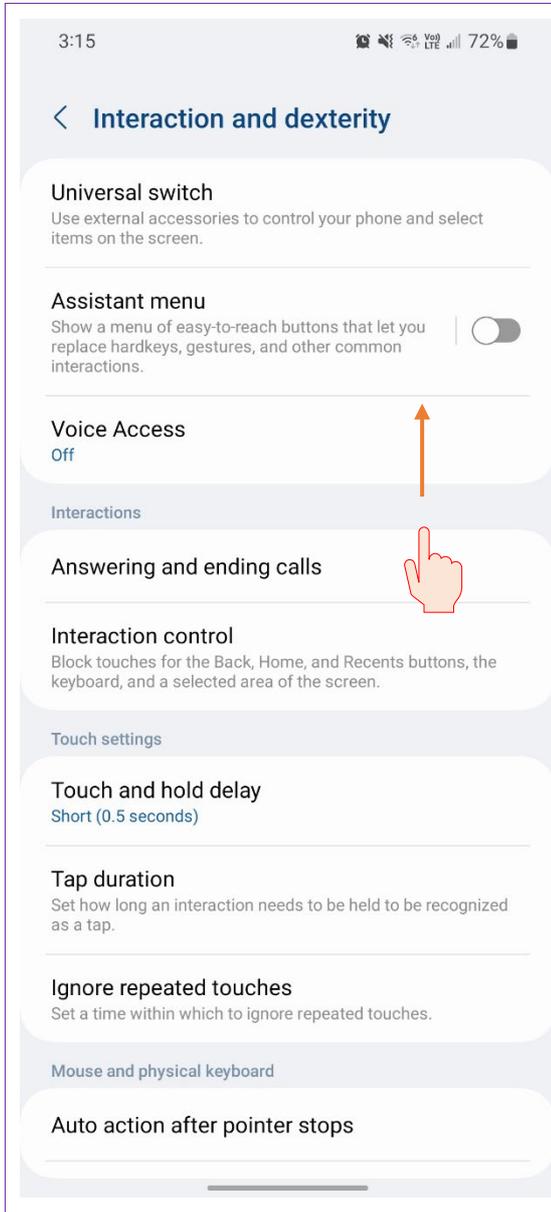
**Swipe up** to scroll down the page



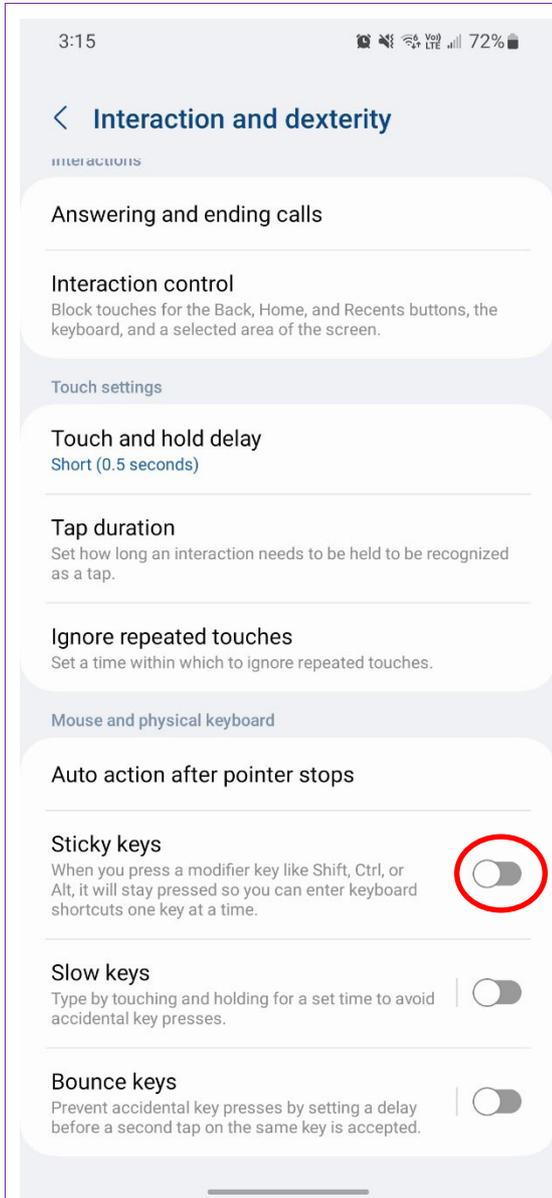
## Tap Accessibility



## Tap Interaction and Dexterity



**Swipe up for more options**



**Tap the slider to turn on feature**



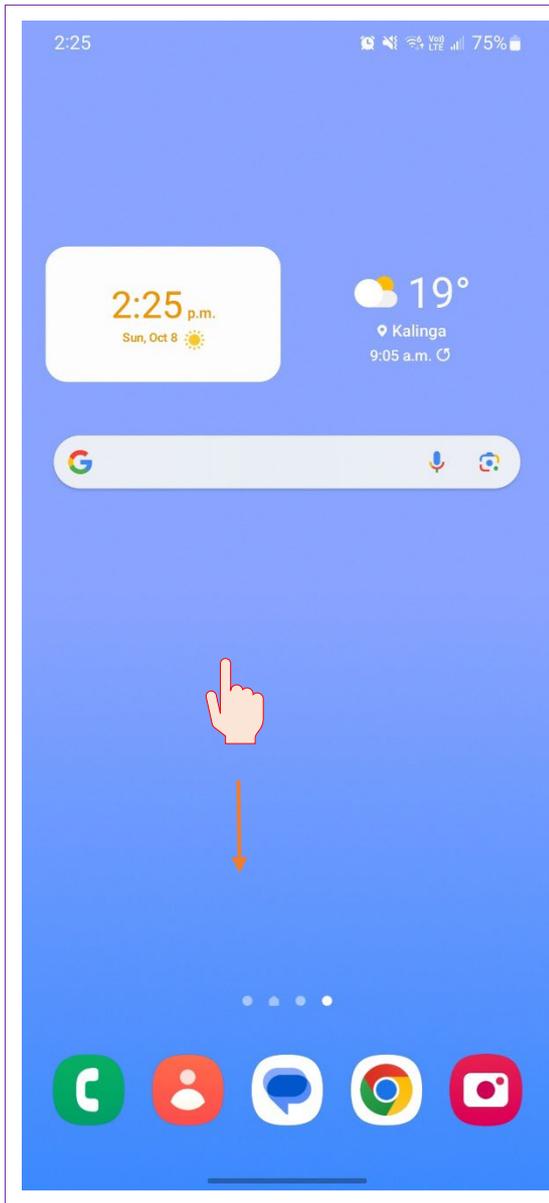
**Blue means it is on**



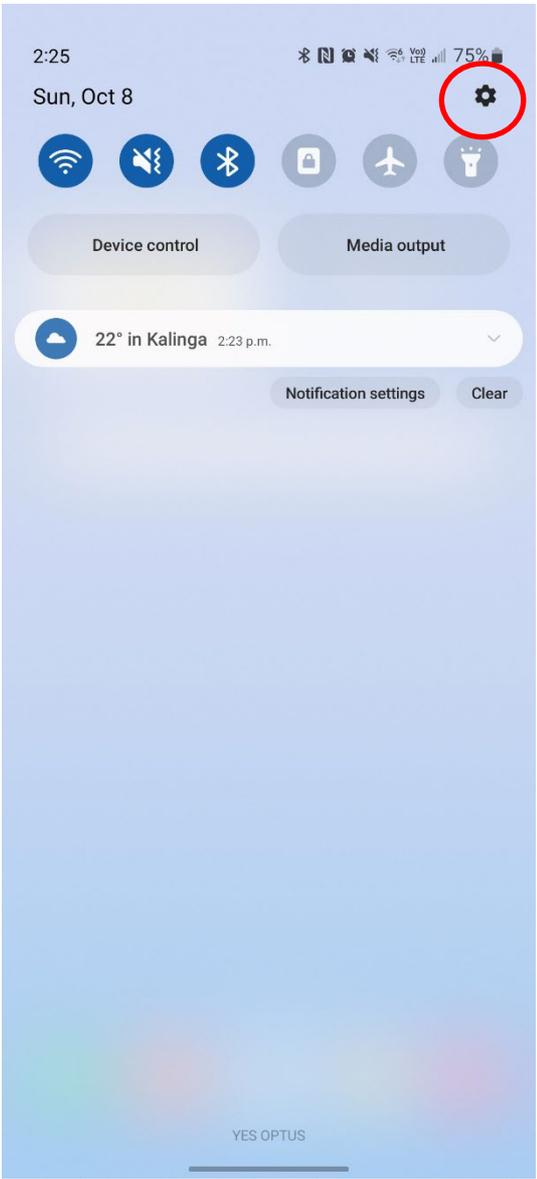
**Grey means it is off**

**Repeat for other options**

## Open Accessibility Menu



**Swipe down**



2:25 Sun, Oct 8

75%

Settings icon circled in red

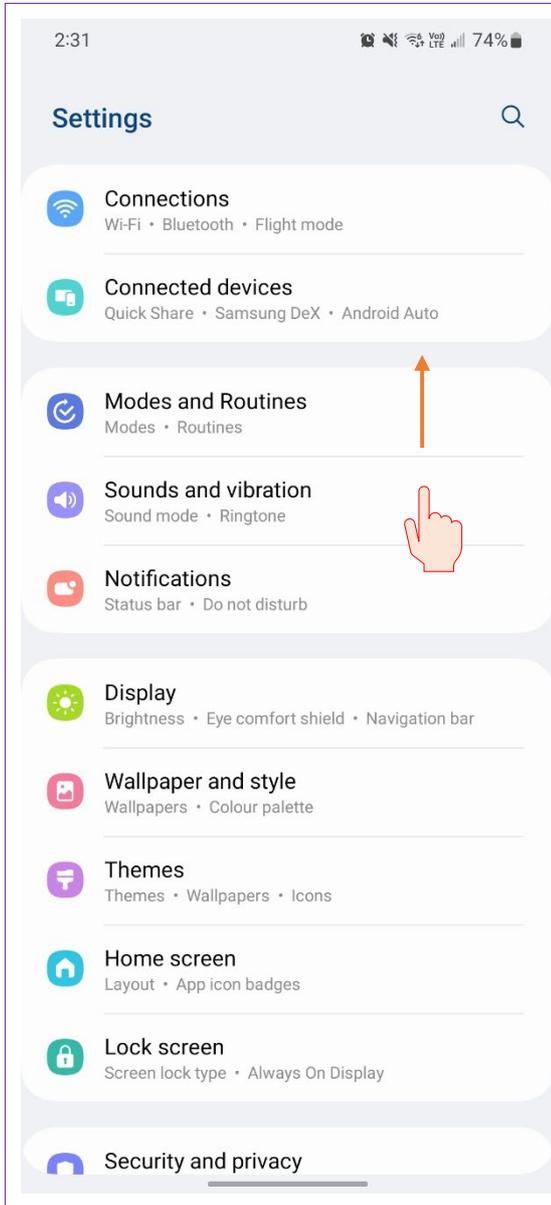
Device control Media output

22° in Kalinga 2:23 p.m.

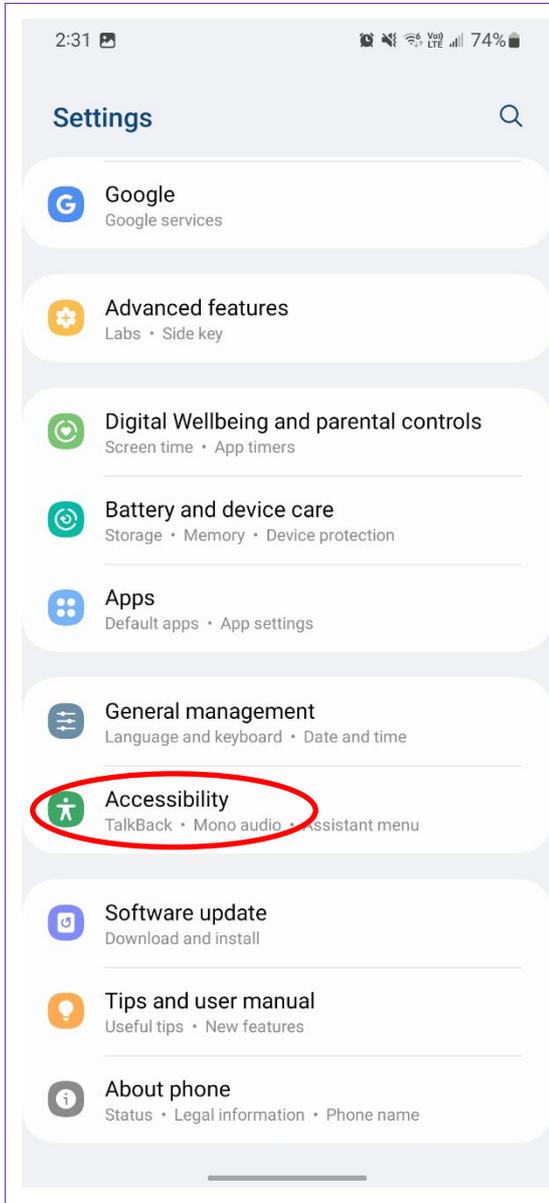
Notification settings Clear

YES OPTUS

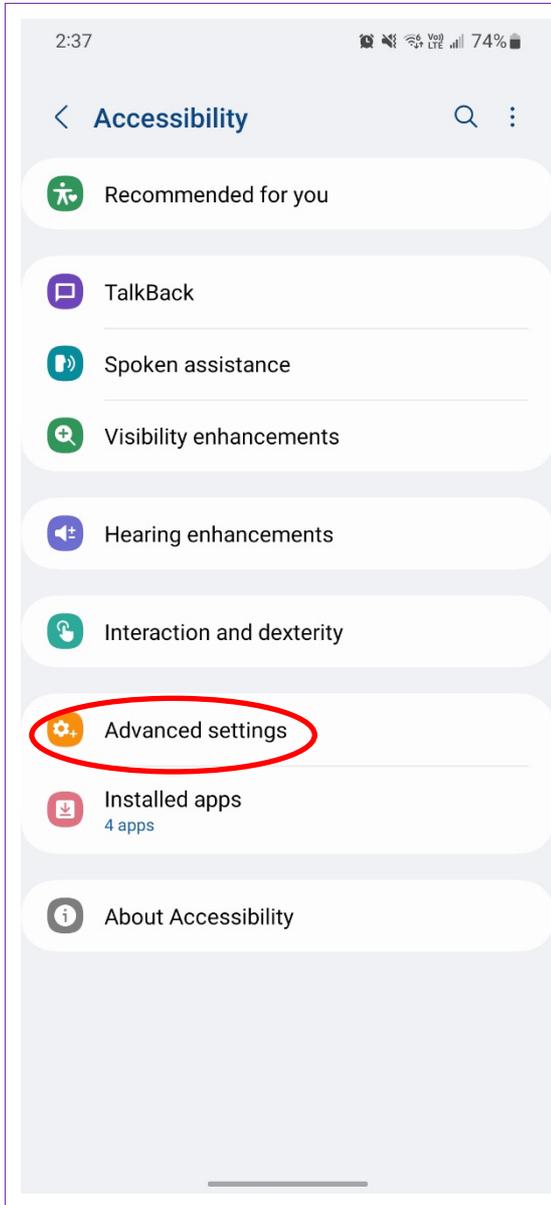
Tap 



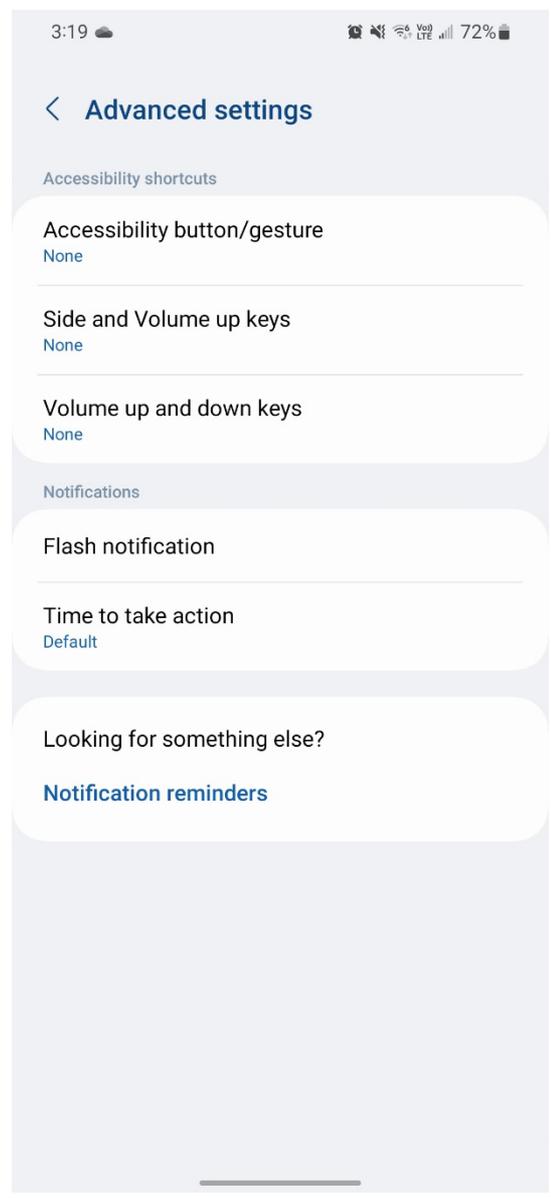
**Swipe up to scroll down the page**



## Tap Accessibility



**Tap Advanced Setting**



3:19 72%

< **Advanced settings**

Accessibility shortcuts

Accessibility button/gesture  
None

Side and Volume up keys  
None

Volume up and down keys  
None

Notifications

Flash notification

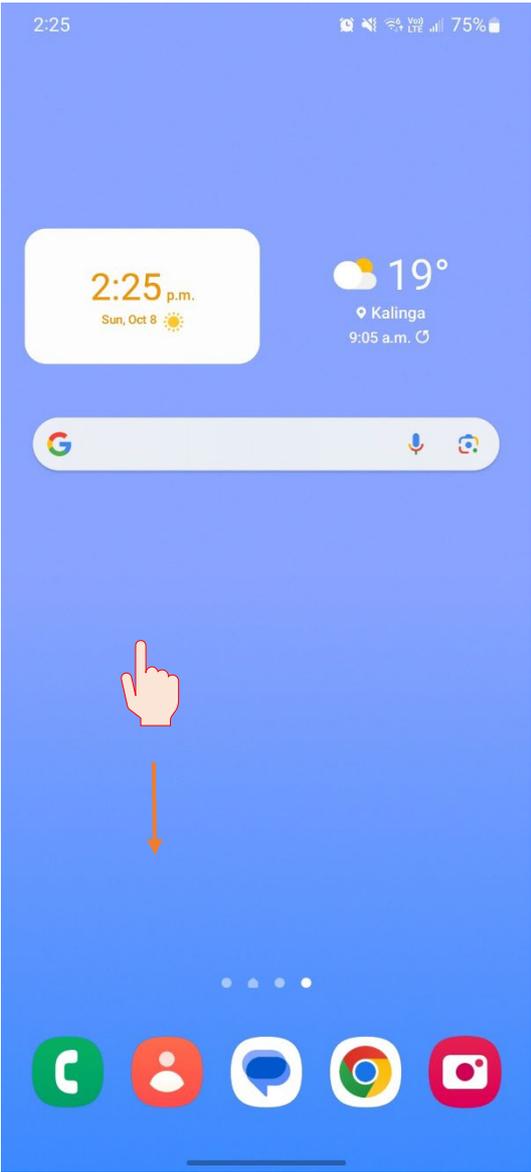
Time to take action  
Default

Looking for something else?  
**Notification reminders**

**Tap the options to turn on**

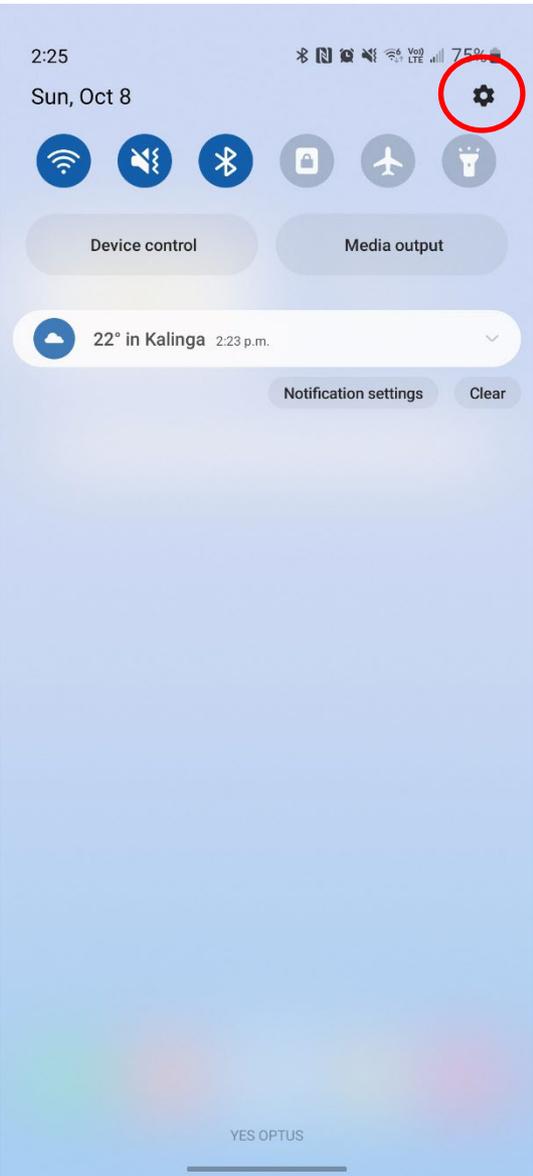
## Safety and Emergency Features on Android

## Set up Medical Info



The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25, and the battery is at 75%. Below the time is a large clock widget showing 2:25 p.m. on Sun, Oct 8. To the right is a weather widget for Kalinga showing 19° and 9:05 a.m. Below these is a Google search bar. At the bottom is the dock with icons for Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with a red arrow points downwards from the center of the screen, indicating a swipe down gesture.

**Swipe down**



2:25 Sun, Oct 8 75%

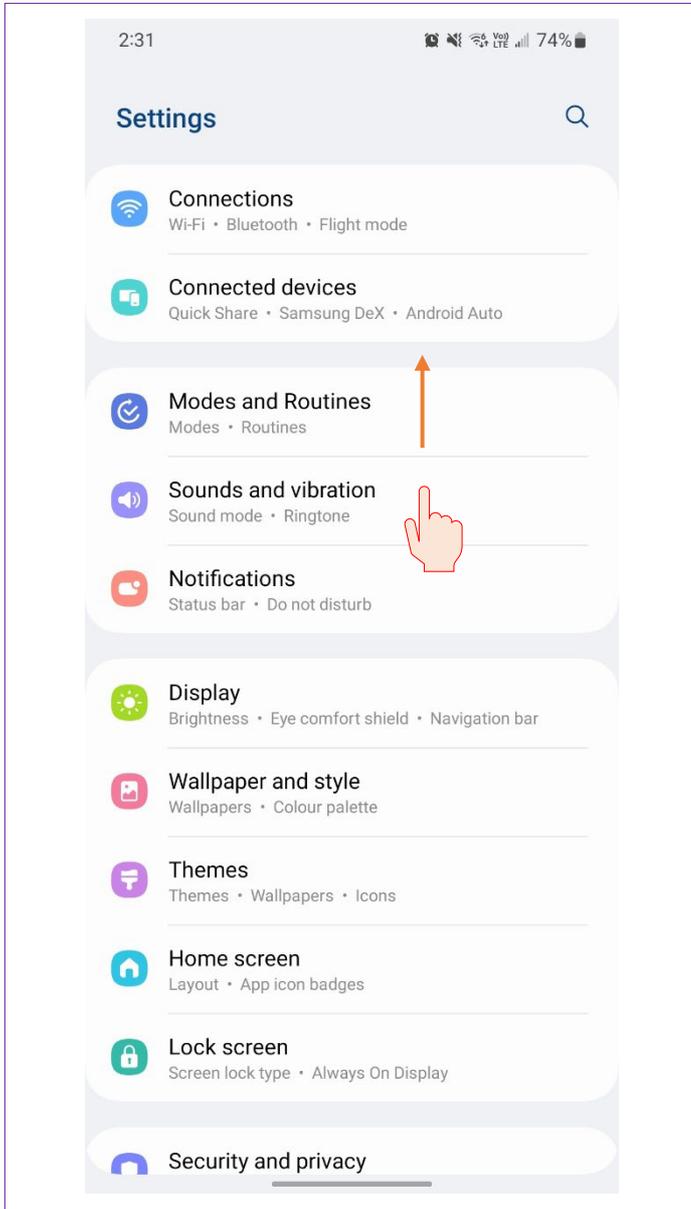
Device control Media output

22° in Kalinga 2:23 p.m.

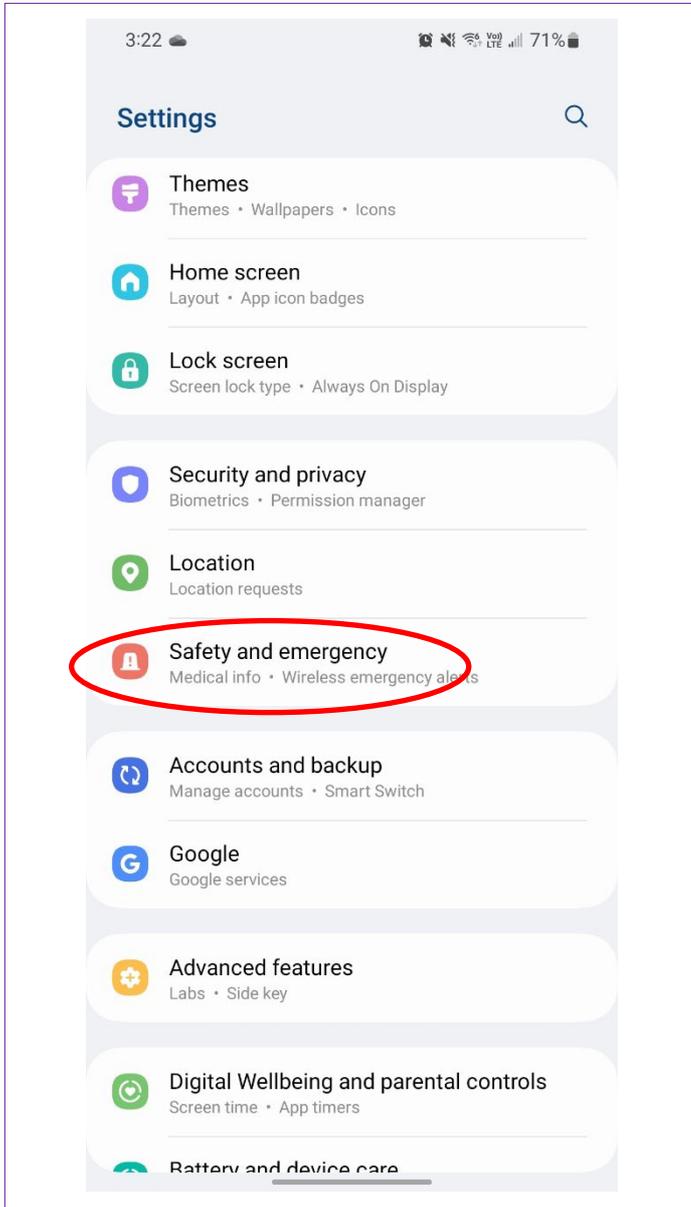
Notification settings Clear

YES OPTUS

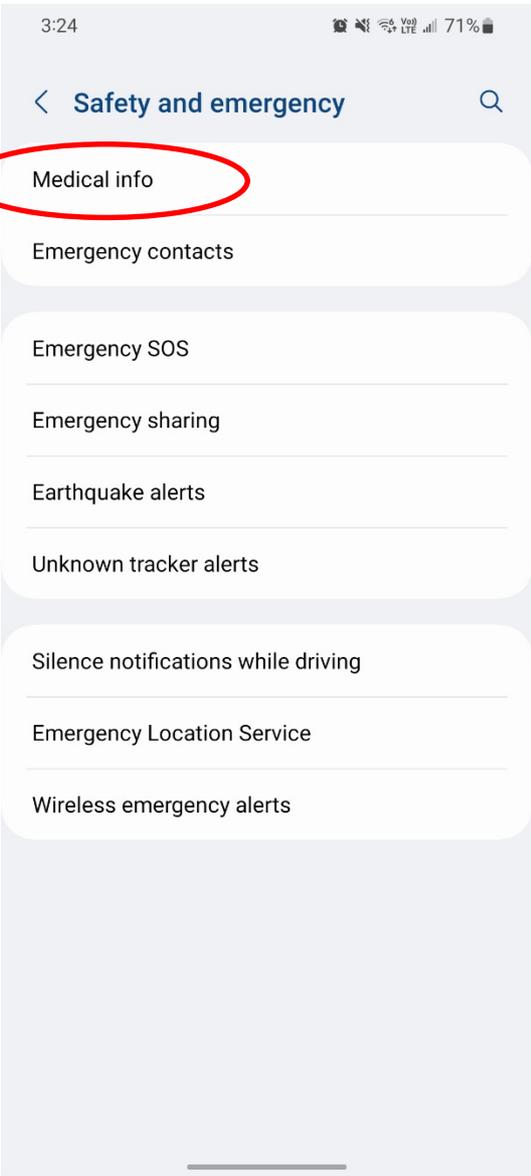
Tap 



**Swipe up** to scroll down the page



**Tap Safety and Emergency**

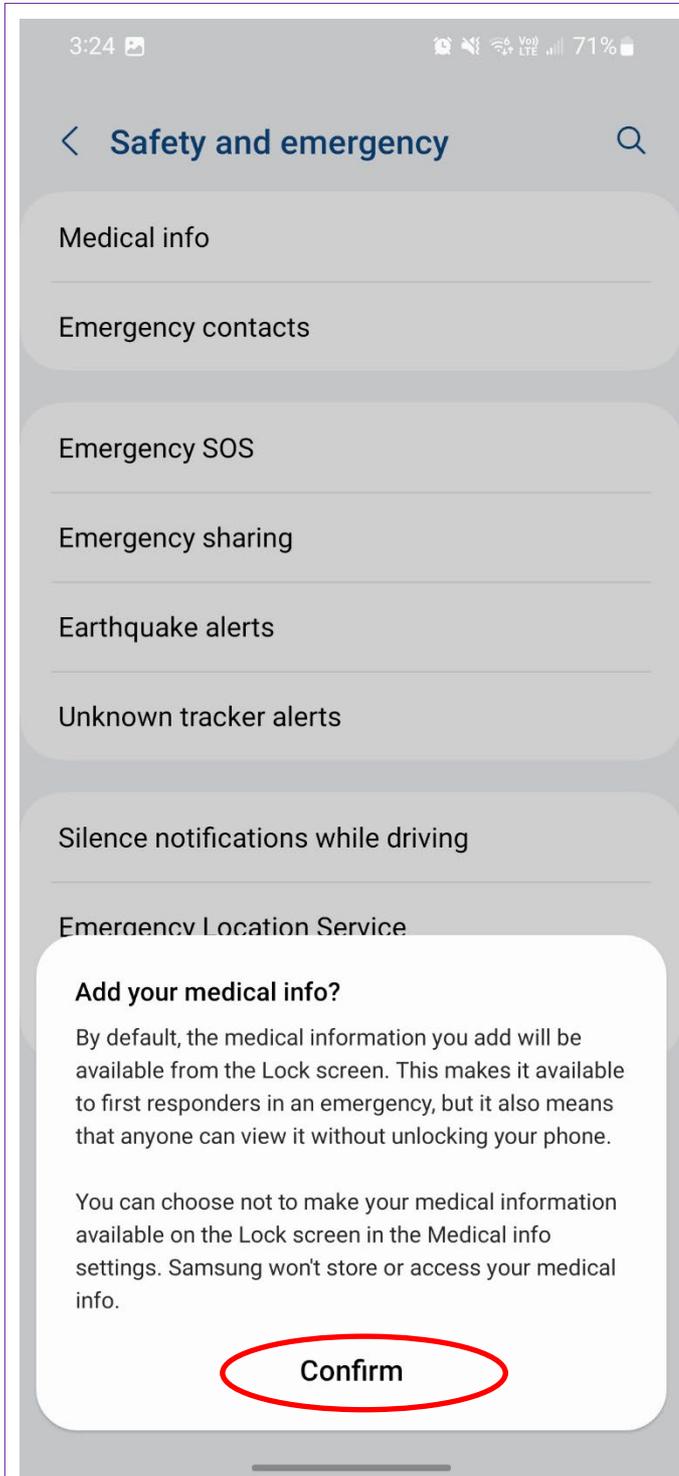


3:24 VoIP LTE 71%

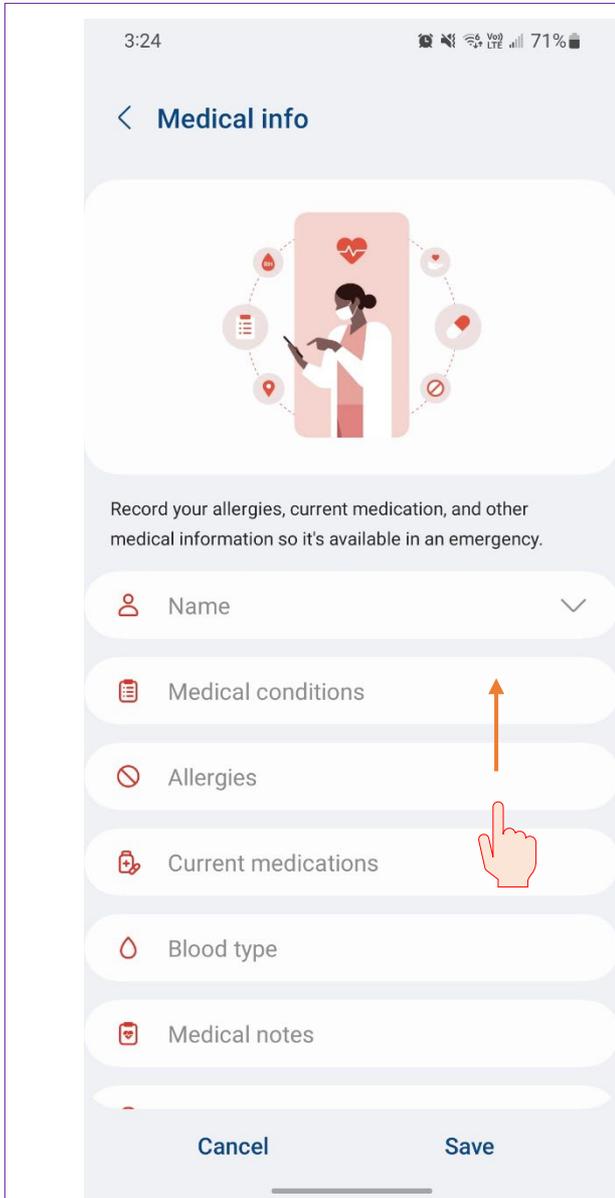
< **Safety and emergency** 🔍

- Medical info**
- Emergency contacts
- Emergency SOS
- Emergency sharing
- Earthquake alerts
- Unknown tracker alerts
- Silence notifications while driving
- Emergency Location Service
- Wireless emergency alerts

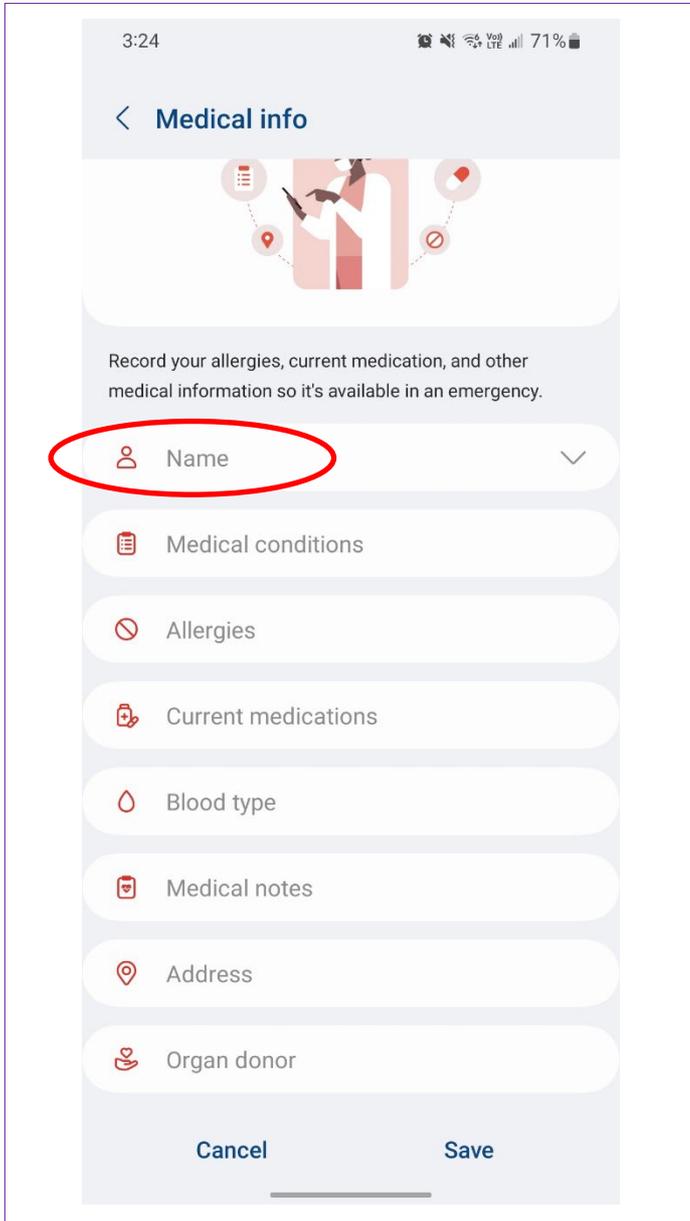
**Tap Medical Info**



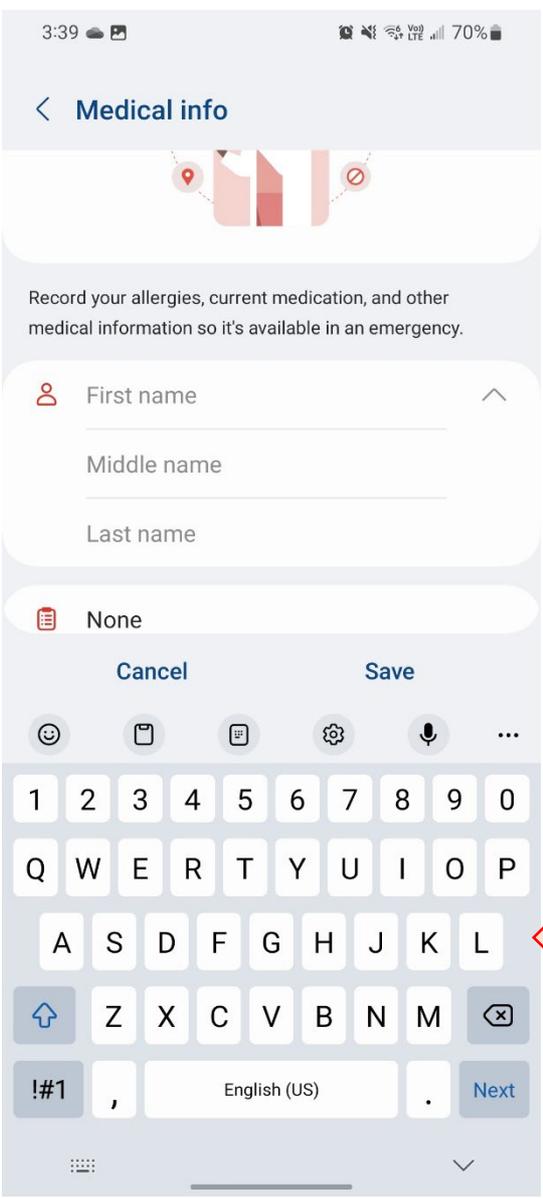
**Tap confirm**



**Swipe up for more options**



**Enter your Medical Information by tapping on item**



3:39 70%

< Medical info

Record your allergies, current medication, and other medical information so it's available in an emergency.

First name

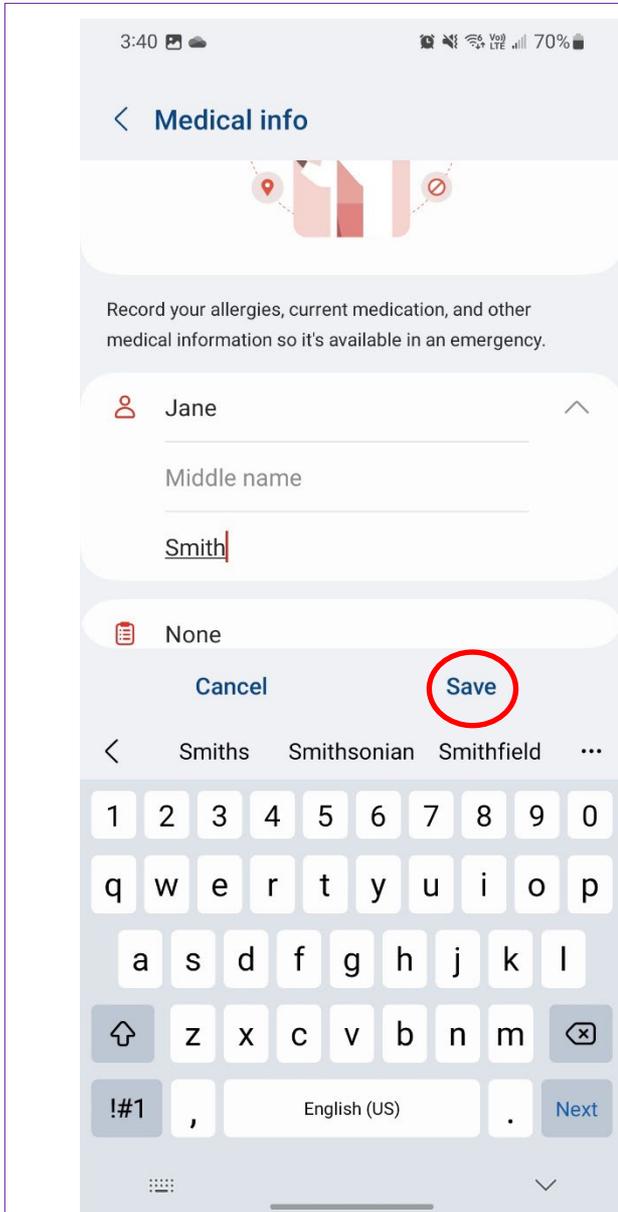
Middle name

Last name

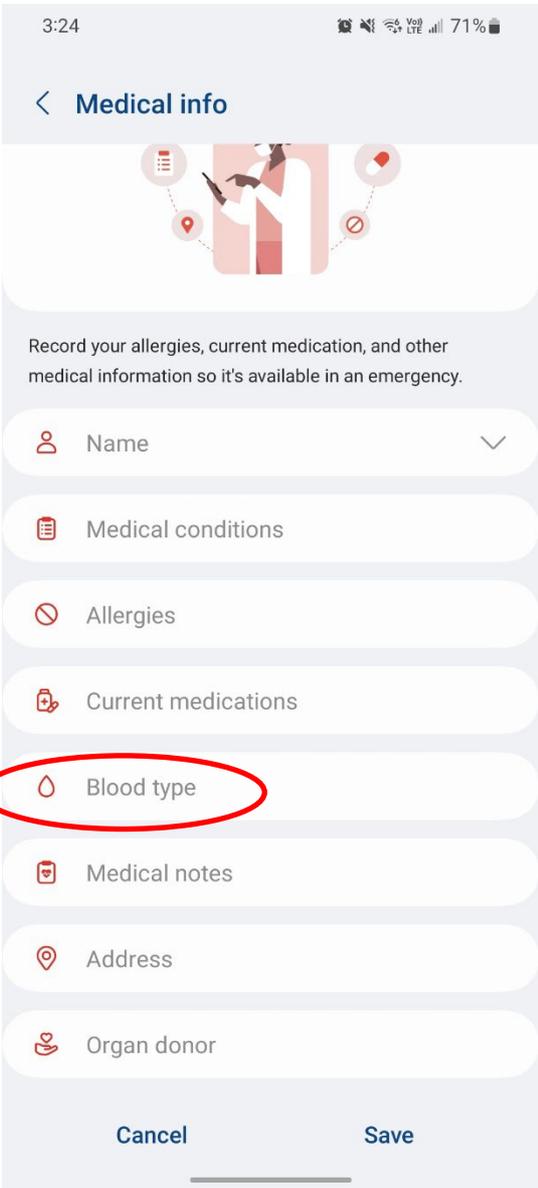
None

Cancel Save

Use the **keyboard** to enter your name



**Tap save**



3:24 VoIP LTE 71%

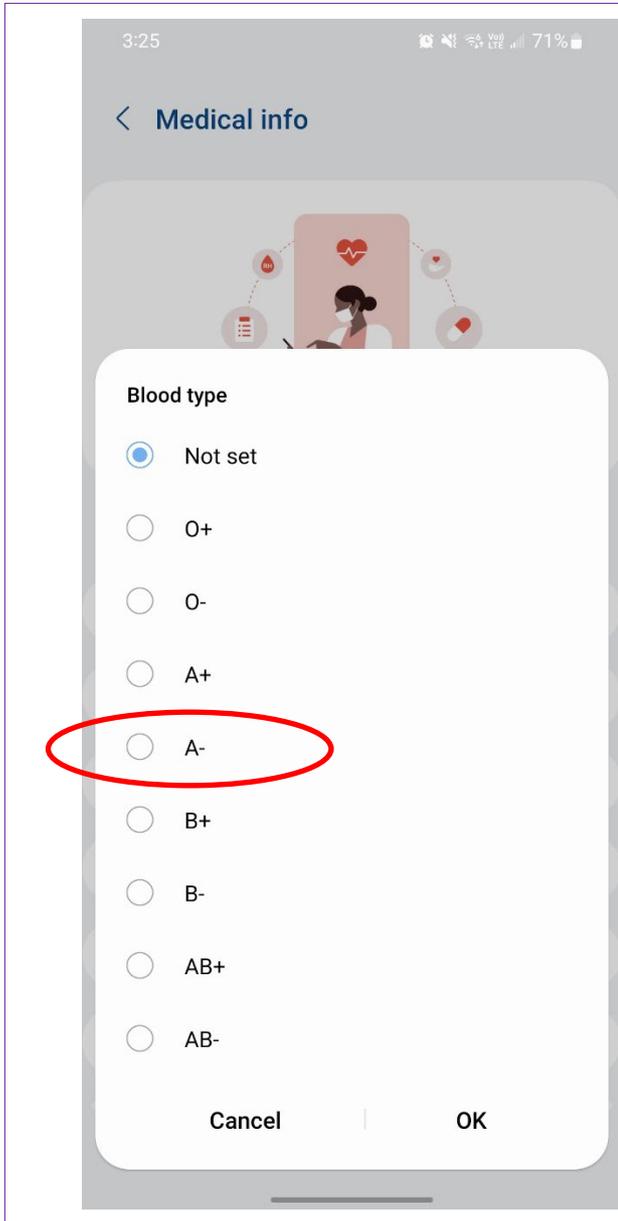
< **Medical info**

Record your allergies, current medication, and other medical information so it's available in an emergency.

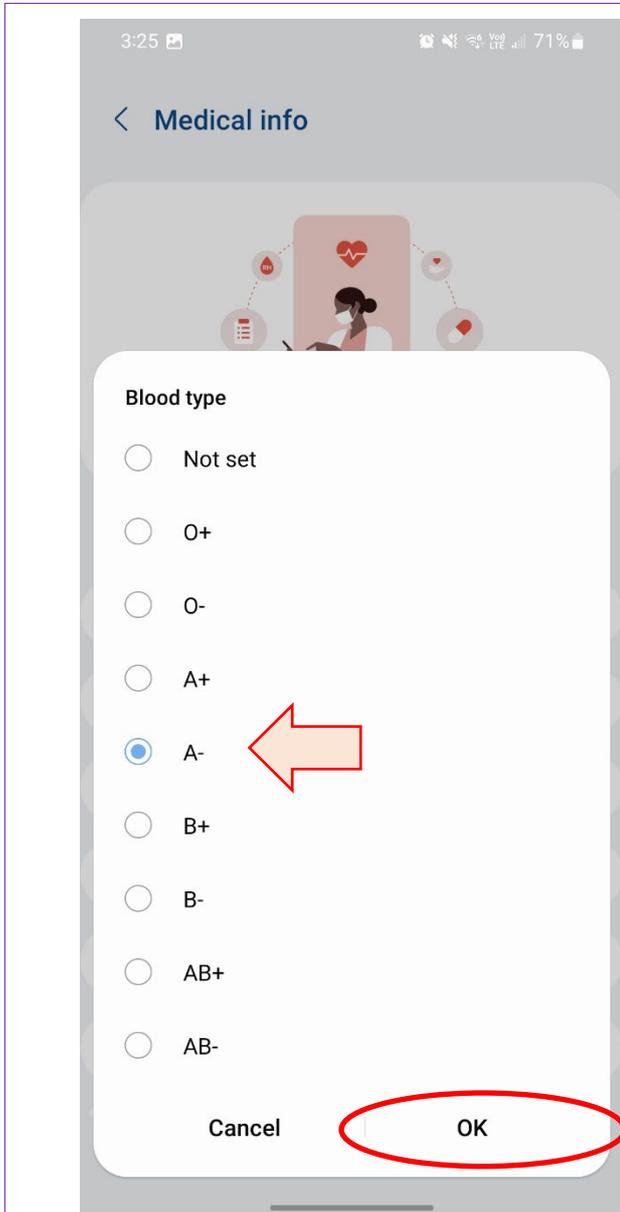
- Name
- Medical conditions
- Allergies
- Current medications
- Blood type**
- Medical notes
- Address
- Organ donor

Cancel Save

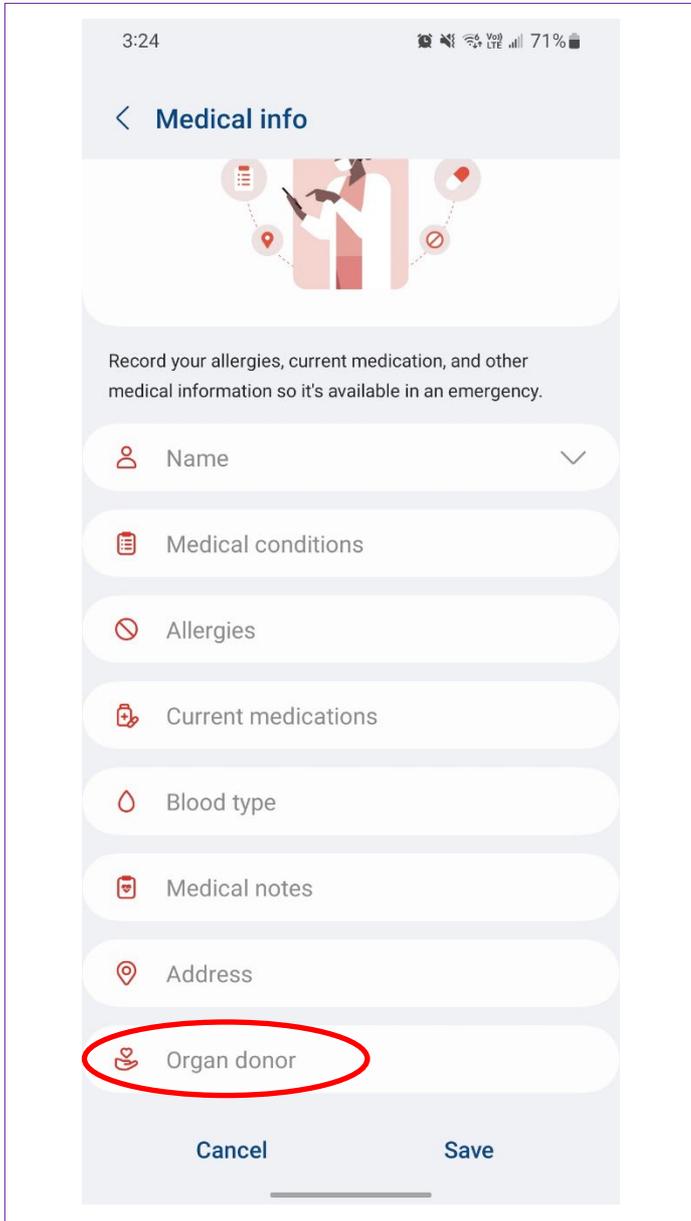
**Tap blood type**



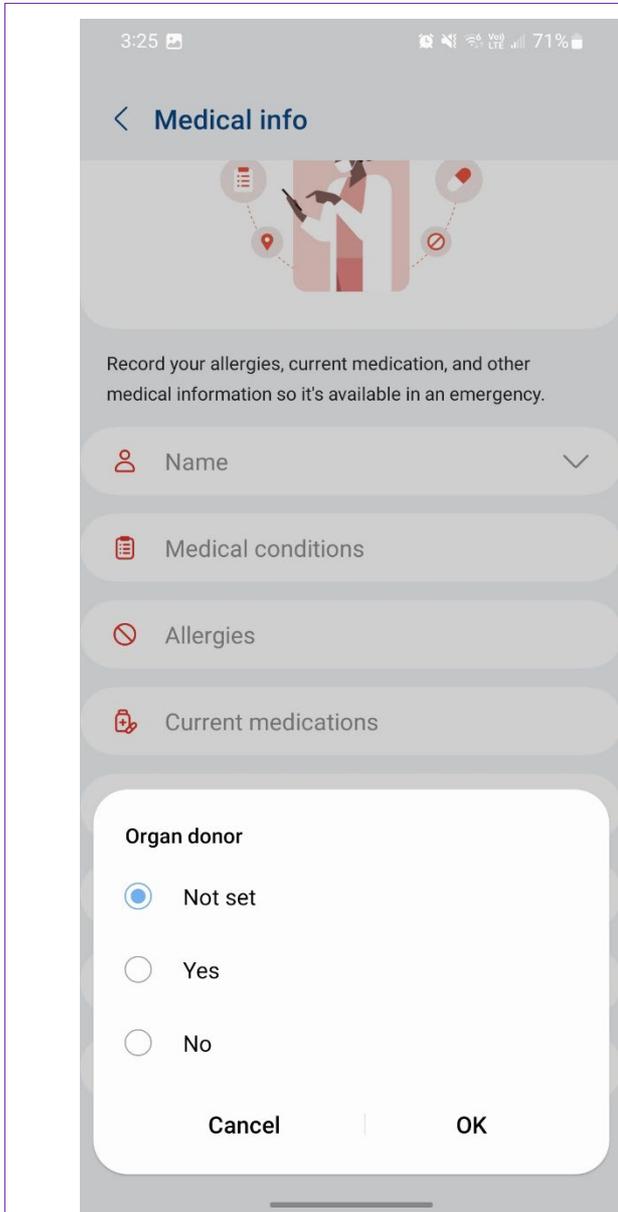
**Tap your blood type**



The **blue circle** means it is **selected**  
**Tap OK**

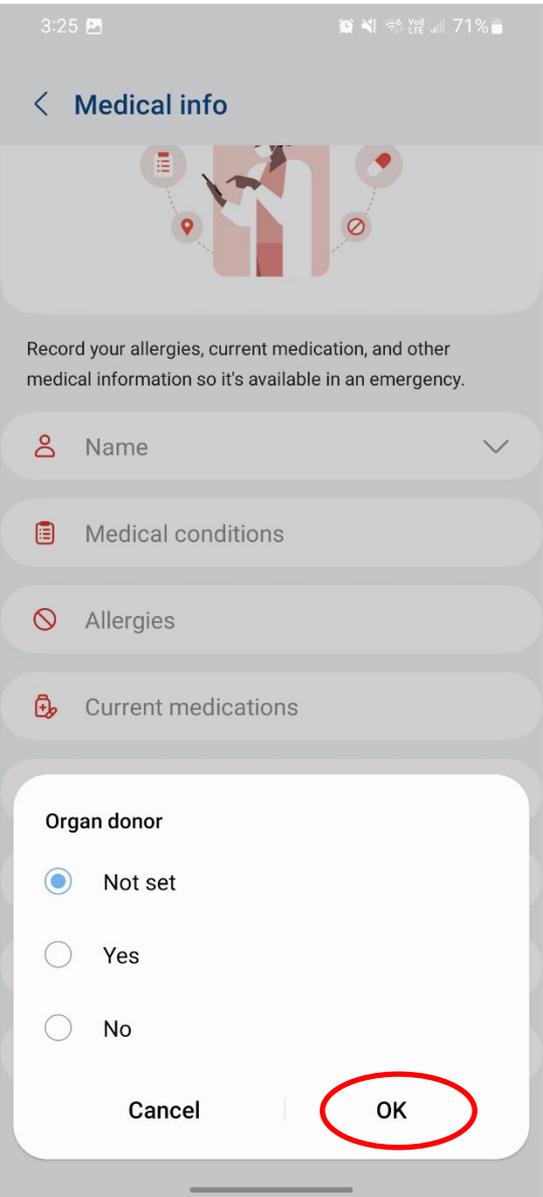


**Tap organ donor**



**Tap yes or no**

**The blue circle means it is selected**



3:25 [signal icons] 71%

< **Medical info**

Record your allergies, current medication, and other medical information so it's available in an emergency.

Name

Medical conditions

Allergies

Current medications

**Organ donor**

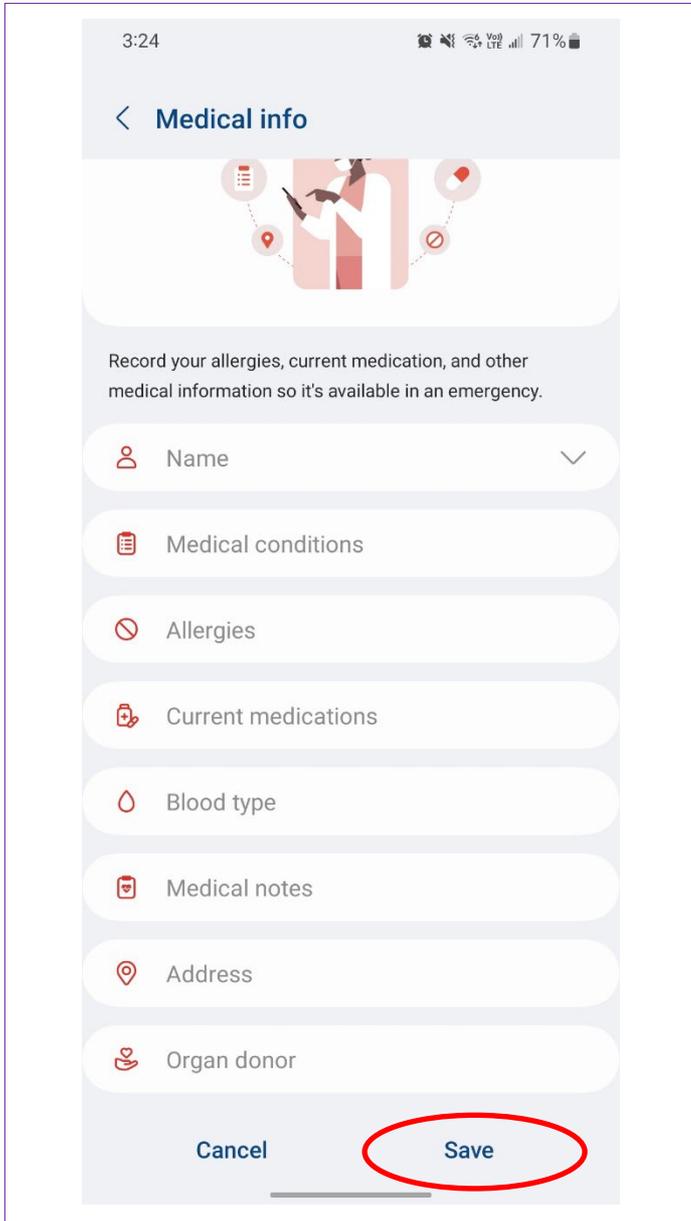
Not set

Yes

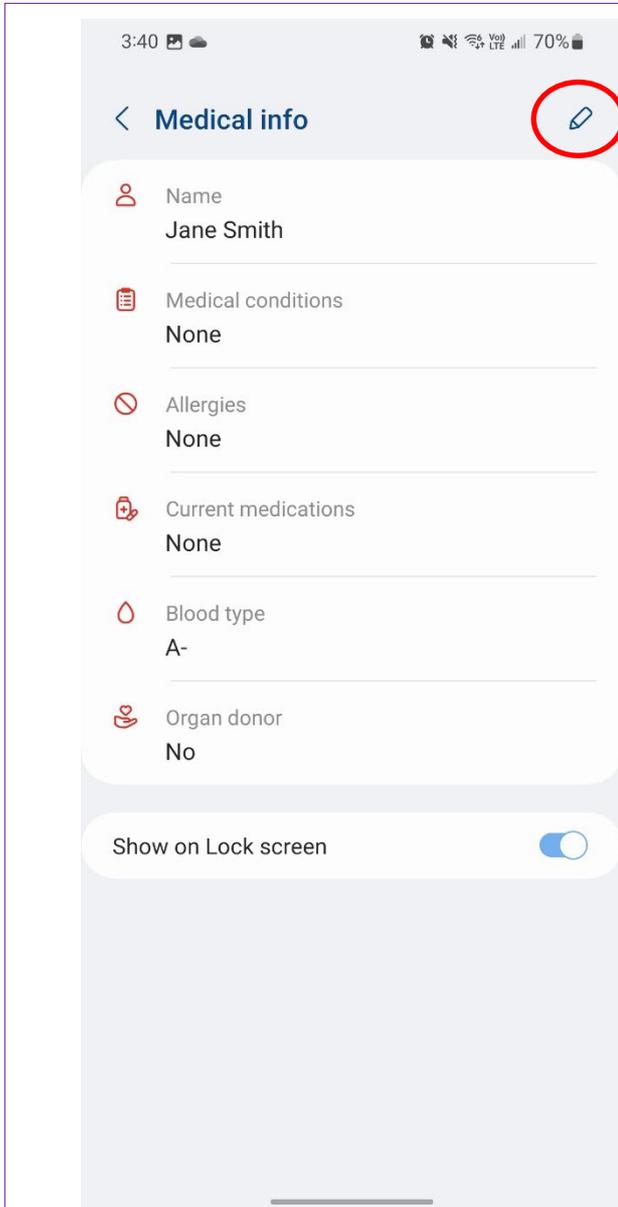
No

Cancel | **OK**

**Tap OK**



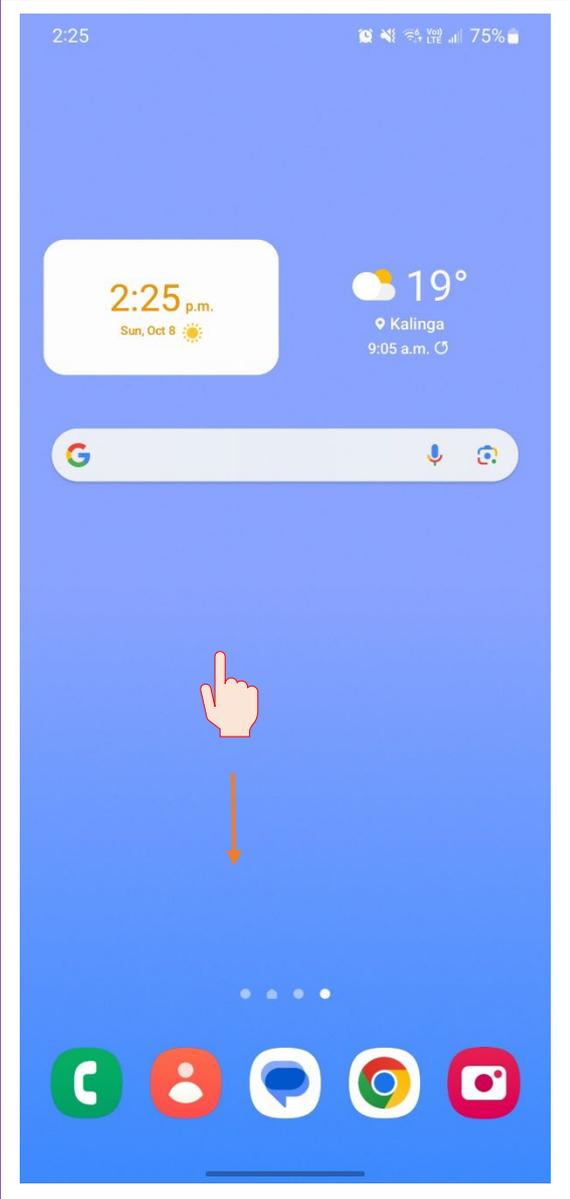
When **finished** tap **save**



**To make changes:**

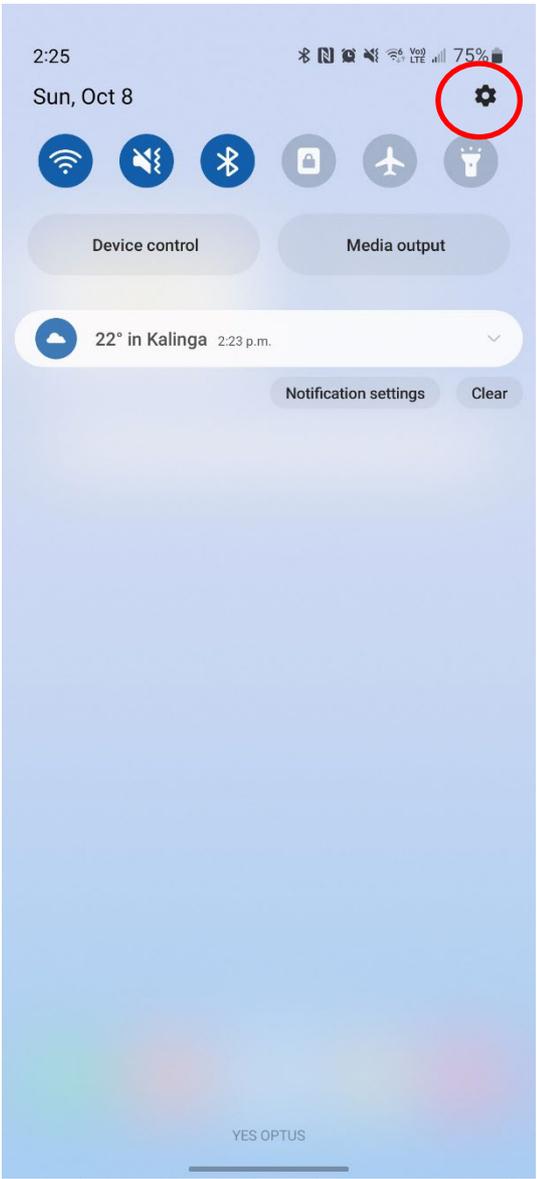
- **Tap the pencil icon**
- **Repeat previous steps to change information**

## Set up Emergency Contacts



The screenshot shows an iPhone home screen with a blue background. At the top, the time is 2:25, and the battery is at 75%. A large clock widget displays 2:25 p.m. on Sun, Oct 8. To the right, a weather widget shows 19° in Kalinga at 9:05 a.m. Below these is a Google search bar. At the bottom, there are five docked app icons: Phone, Contacts, Messages, Chrome, and Instagram. A hand icon with a downward-pointing arrow is positioned in the center of the screen, indicating the 'swipe down' gesture.

**Swipe down**



2:25 Sun, Oct 8 75%

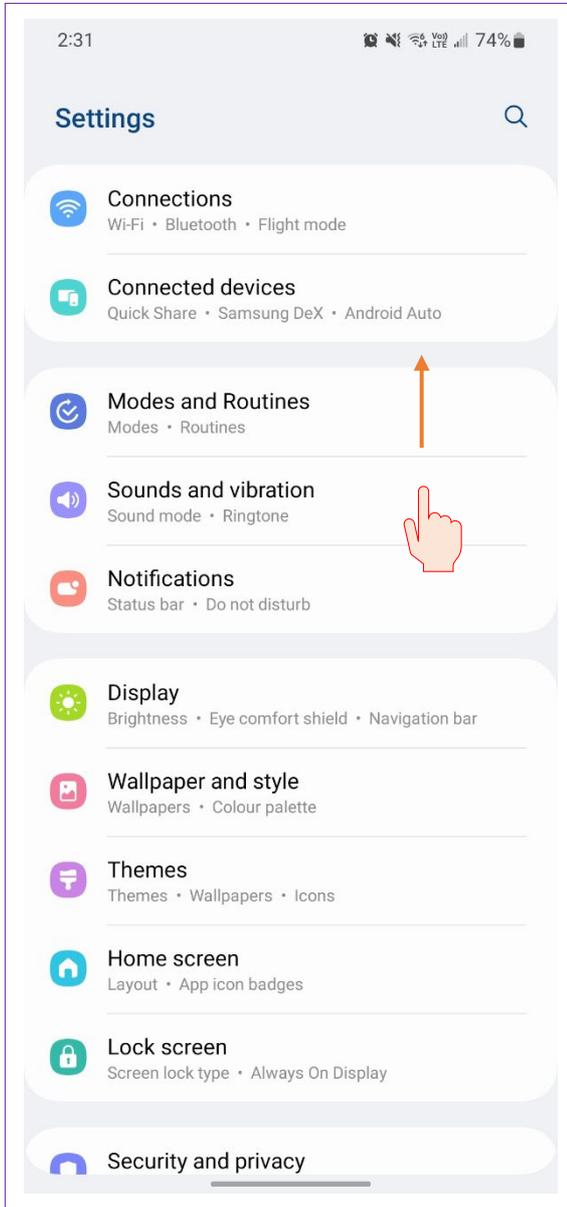
Device control Media output

22° in Kalinga 2:23 p.m.

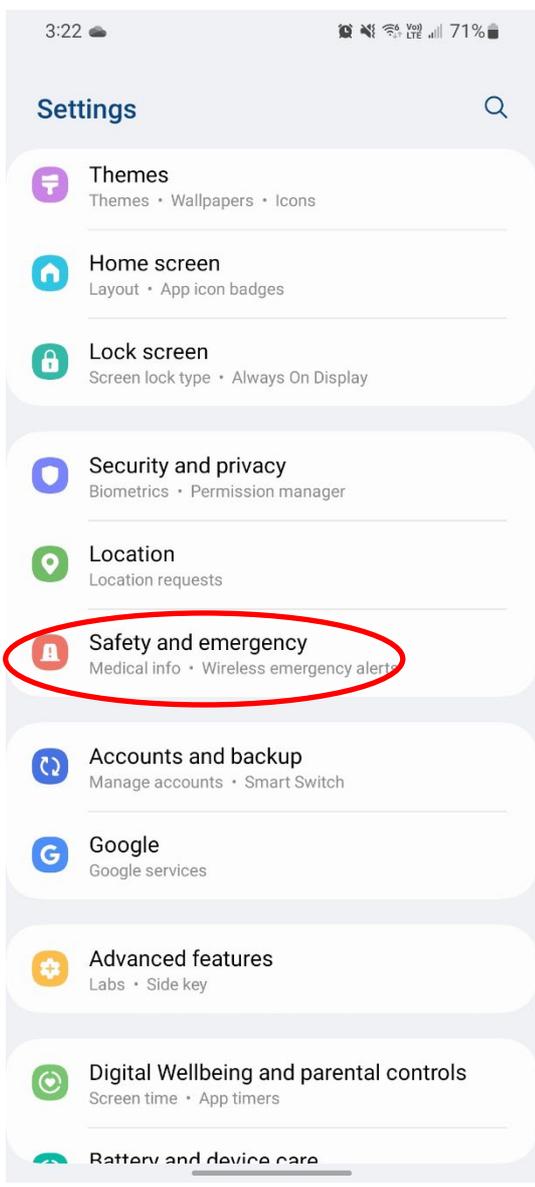
Notification settings Clear

YES OPTUS

Tap 

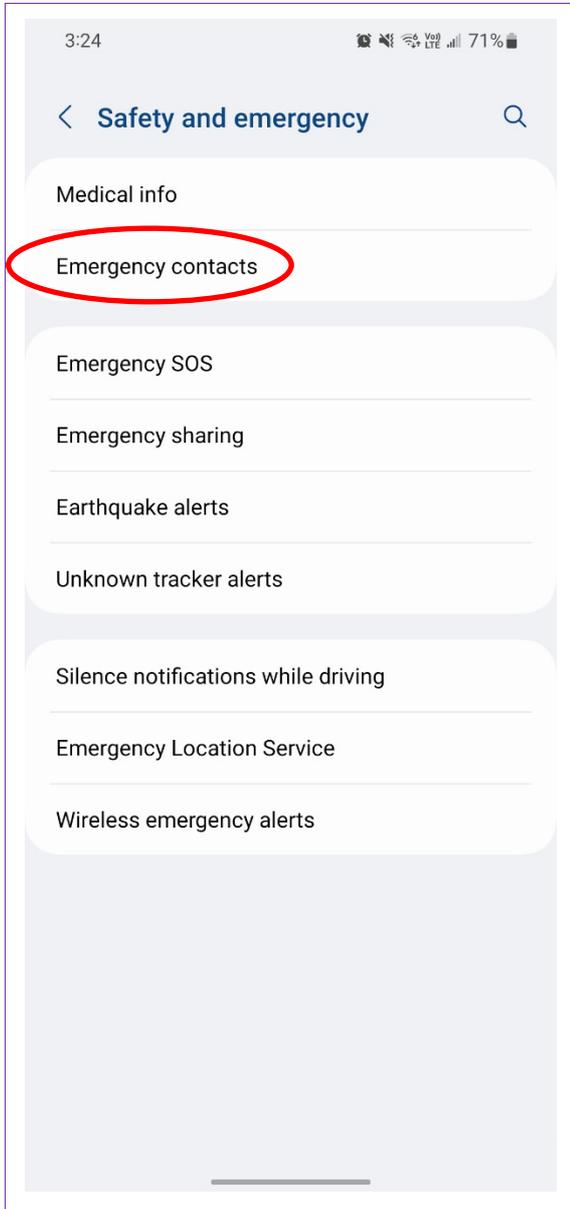


**Swipe up to scroll down the page**

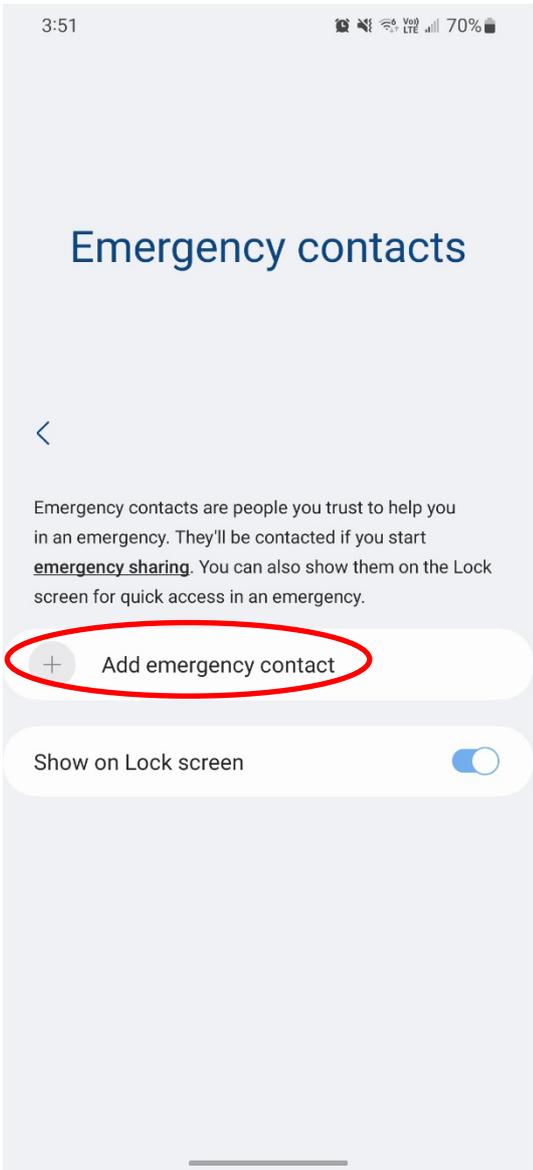


The image shows a screenshot of an iPhone's Settings application. The 'Safety and emergency' option is circled in red. The text 'Tap Safety and Emergency' is overlaid on the right side of the screenshot.

**Tap Safety and Emergency**



**Tap Emergency Contacts**



3:51 [status icons] 70%

## Emergency contacts

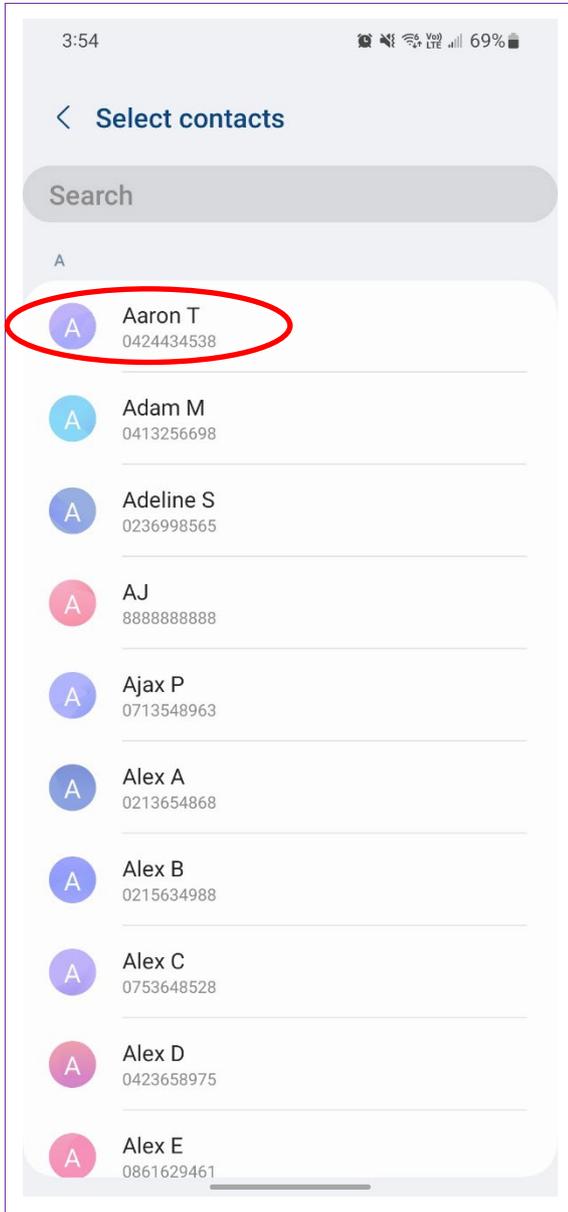
<

Emergency contacts are people you trust to help you in an emergency. They'll be contacted if you start emergency sharing. You can also show them on the Lock screen for quick access in an emergency.

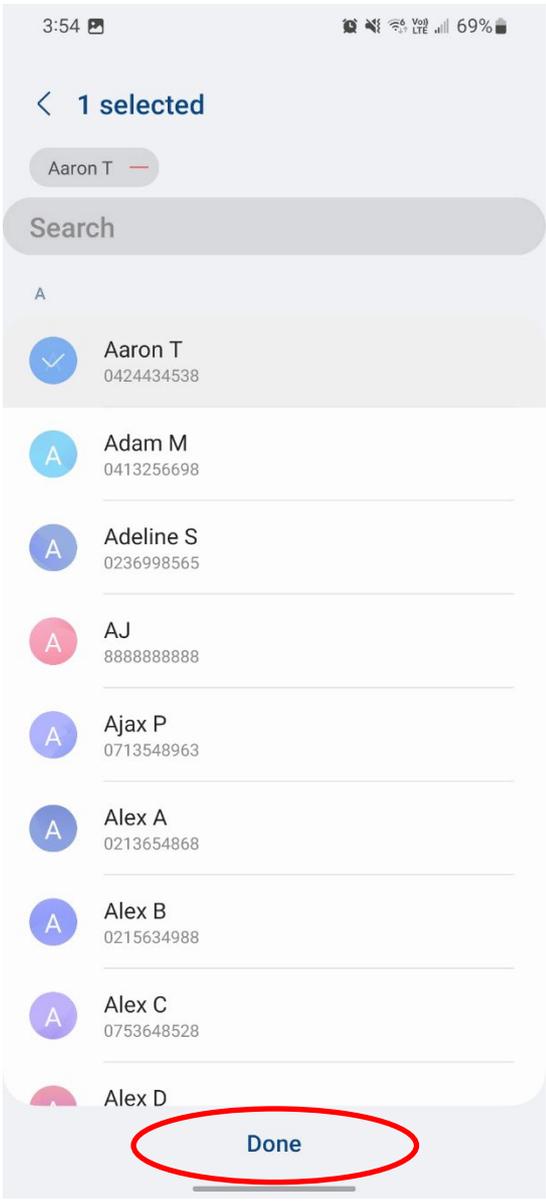
+ Add emergency contact

Show on Lock screen

**Tap add emergency contact**



**Select the contacts you want as an emergency contact**



3:54 [status icons] 69%

< 1 selected

Aaron T [red bar]

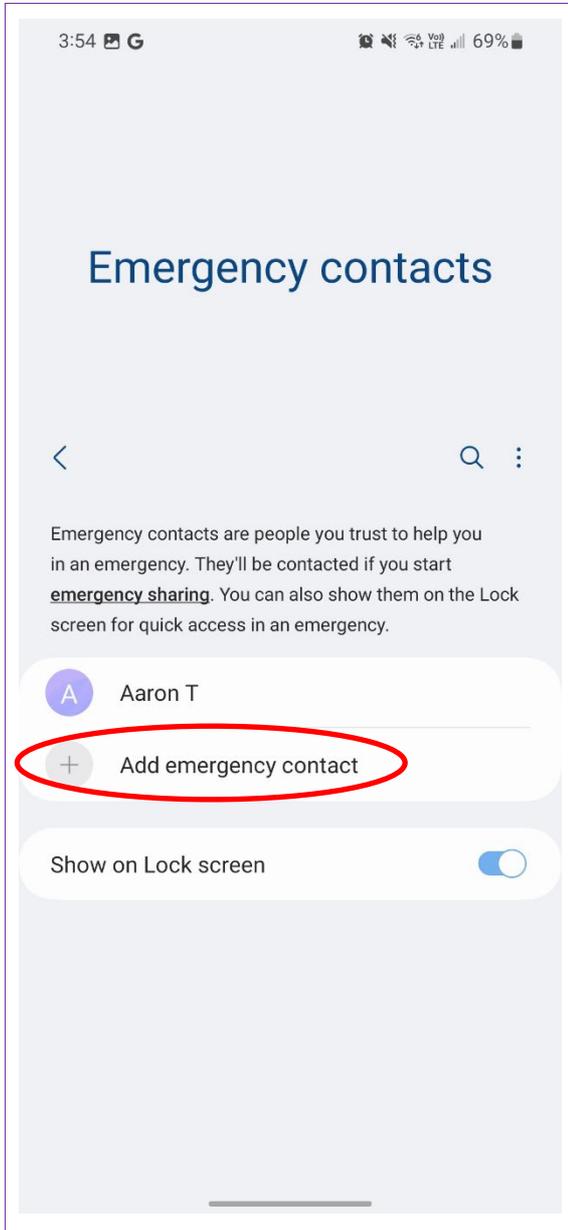
Search

A

- ✓ Aaron T  
0424434538
- A Adam M  
0413256698
- A Adeline S  
0236998565
- A AJ  
8888888888
- A Ajax P  
0713548963
- A Alex A  
0213654868
- A Alex B  
0215634988
- A Alex C  
0753648528
- Alex D

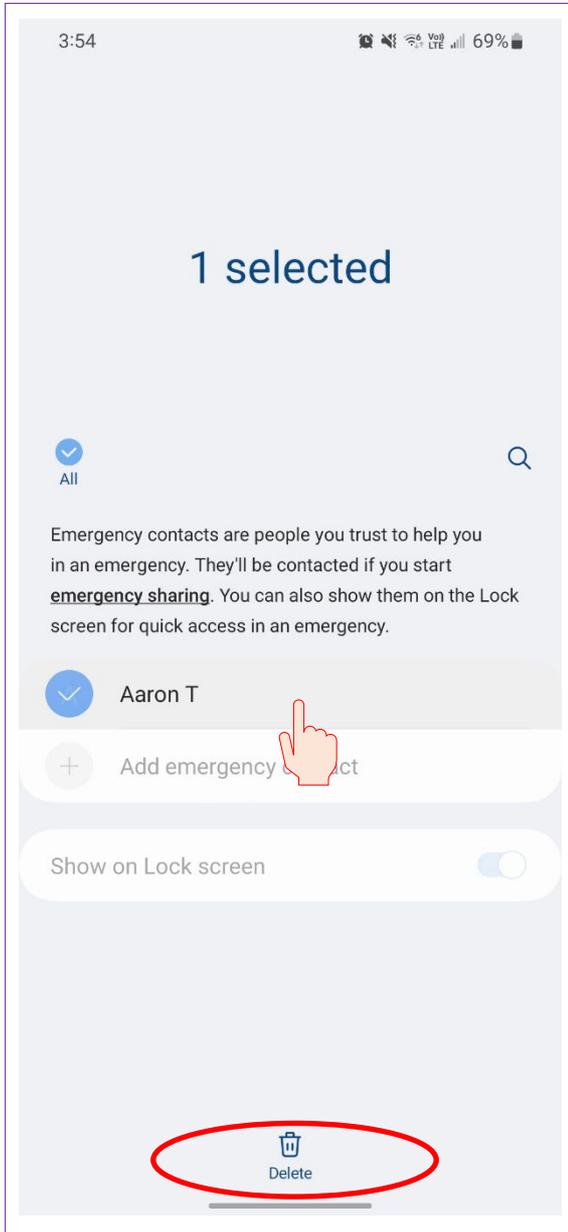
**Done**

**Tap done**



To add another contact:

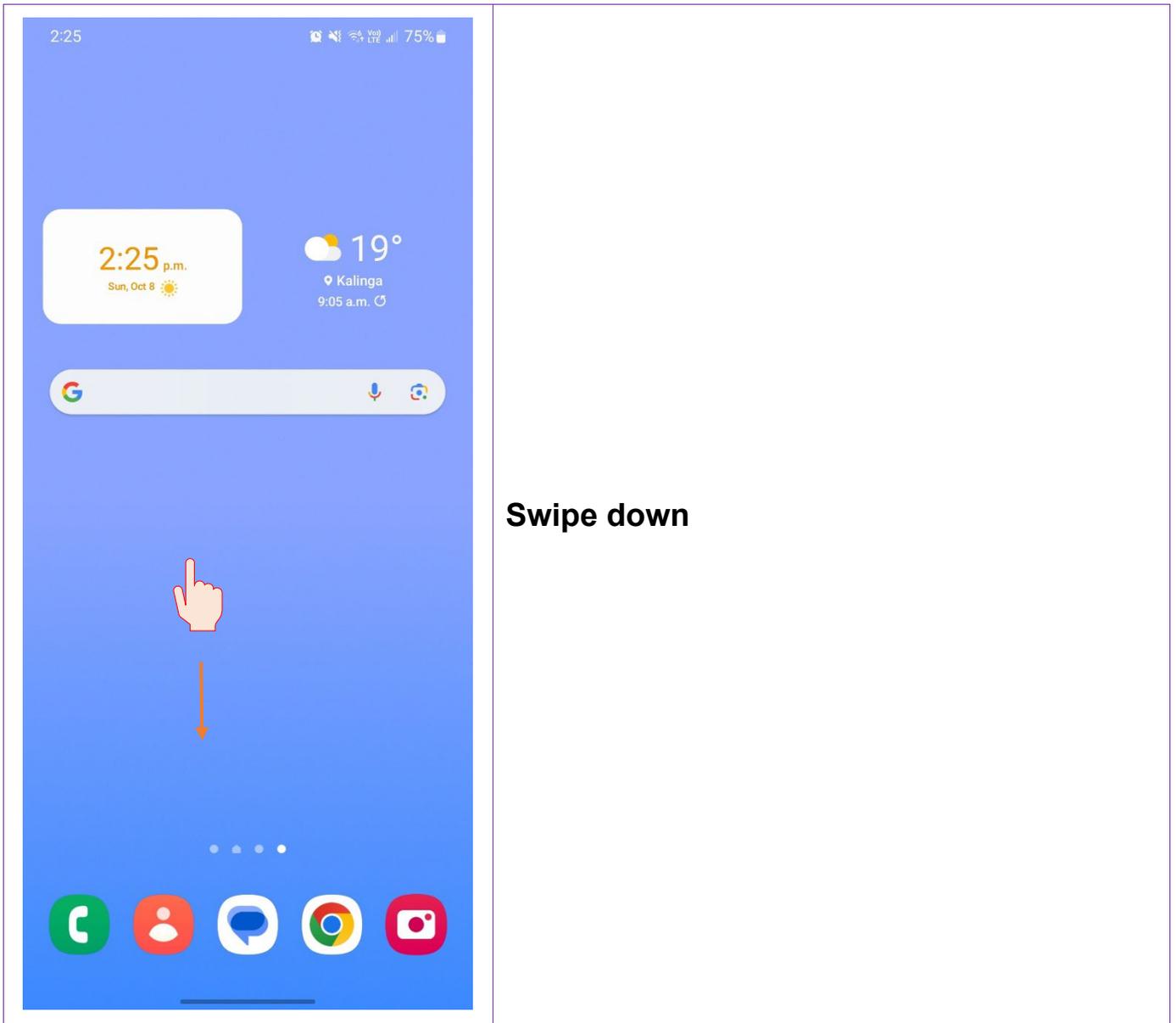
- Tap add emergency contact



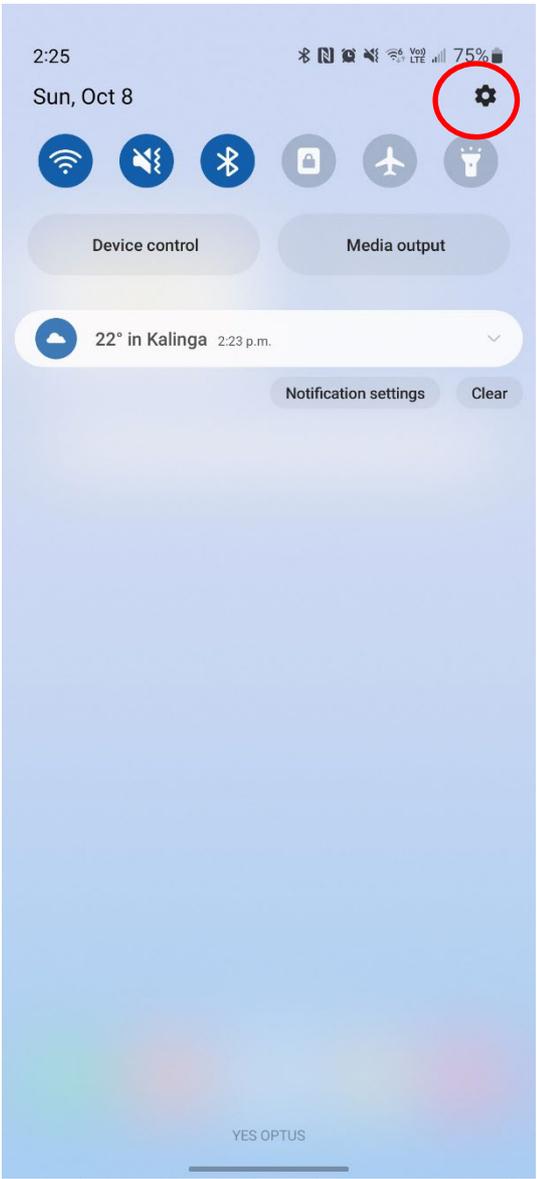
To **delete** an emergency **contact**:

- **Press and hold** on name
- **Tap delete** 

## Set up SOS



**Swipe down**



2:25 Sun, Oct 8 75%

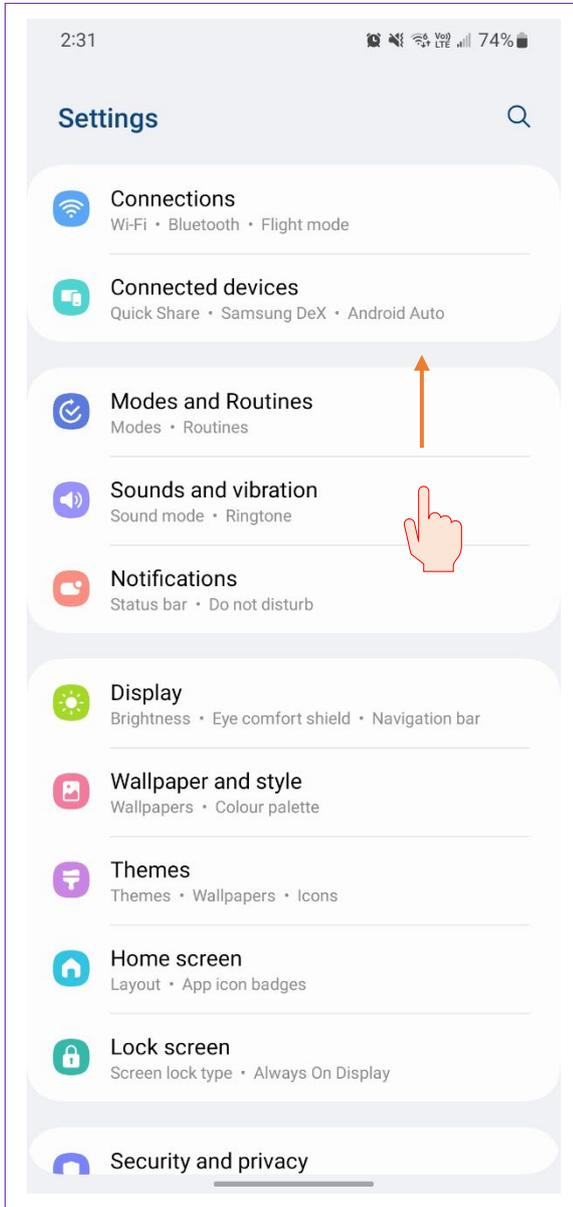
Device control Media output

22° in Kalinga 2:23 p.m.

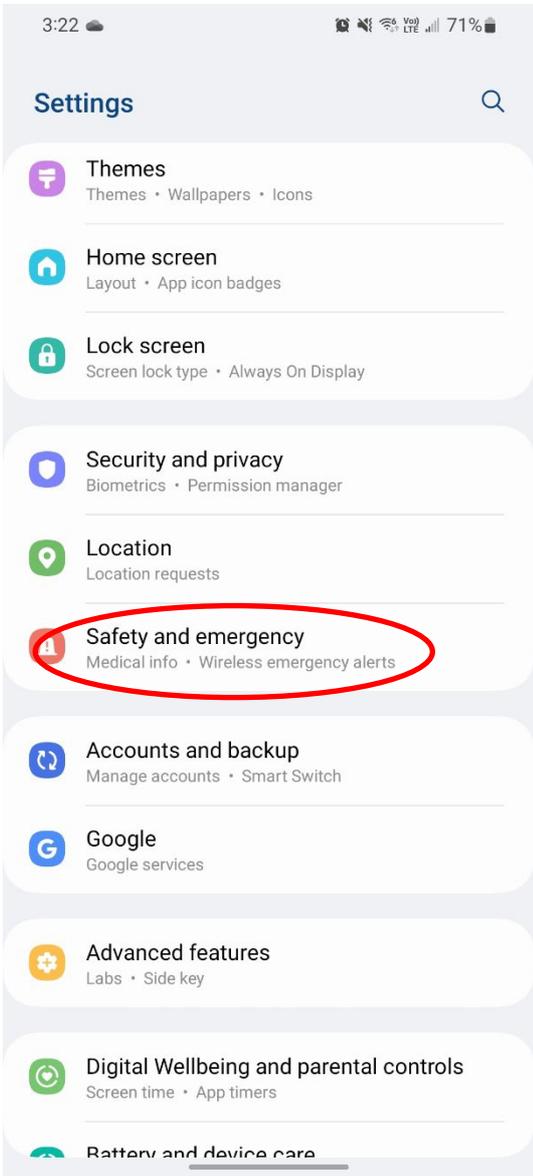
Notification settings Clear

YES OPTUS

Tap 

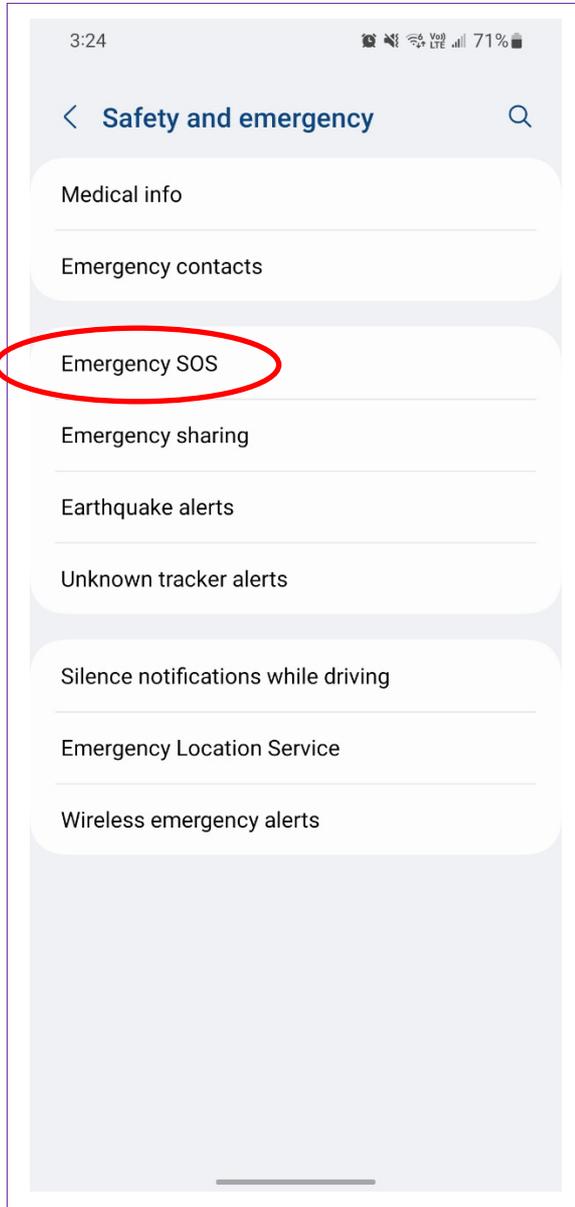


**Swipe up** to scroll down the page

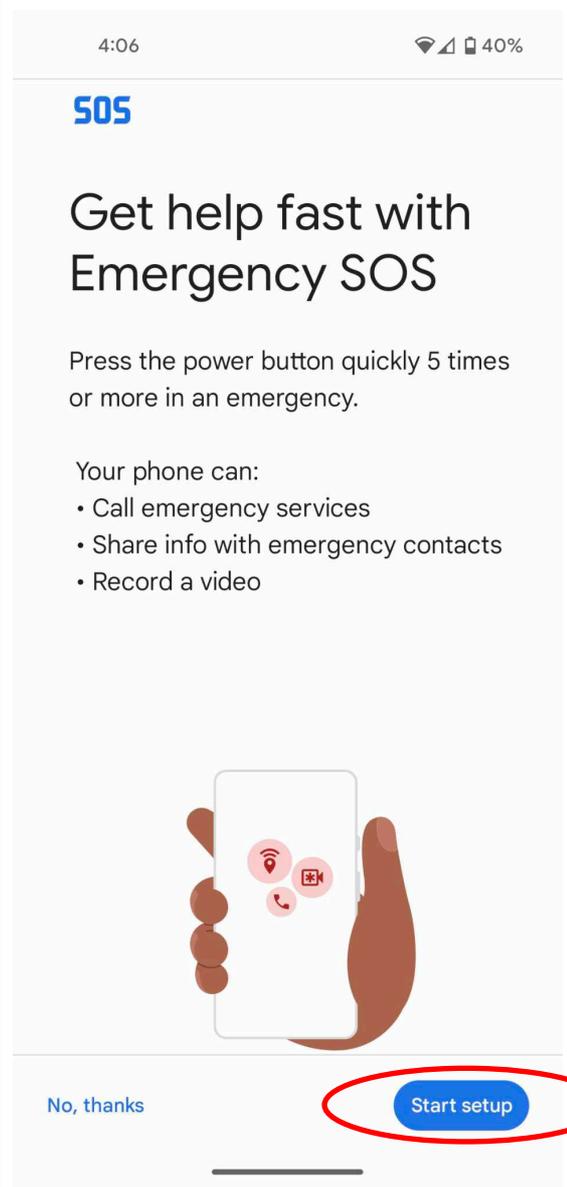


The image shows a screenshot of an iPhone's Settings application. The 'Safety and emergency' option is circled in red. The text 'Tap Safety and Emergency' is overlaid on the right side of the screenshot.

**Tap Safety and Emergency**



**Tap Emergency SOS**



4:06 📶 📶 40%

## SOS

### Get help fast with Emergency SOS

Press the power button quickly 5 times  
or more in an emergency.

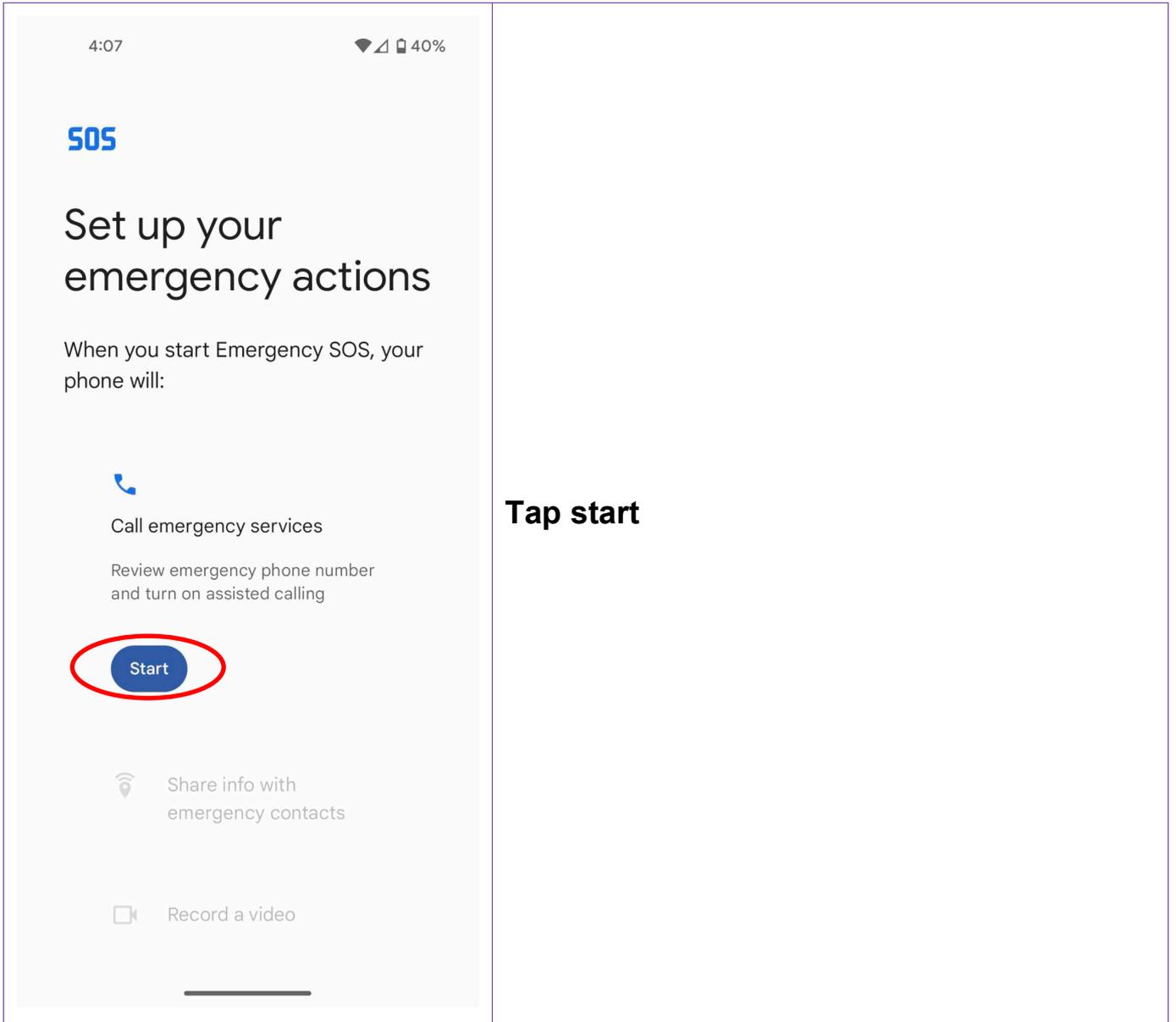
Your phone can:

- Call emergency services
- Share info with emergency contacts
- Record a video



No, thanks **Start setup**

**Tap the start setup**



4:07   40%

**SOS**

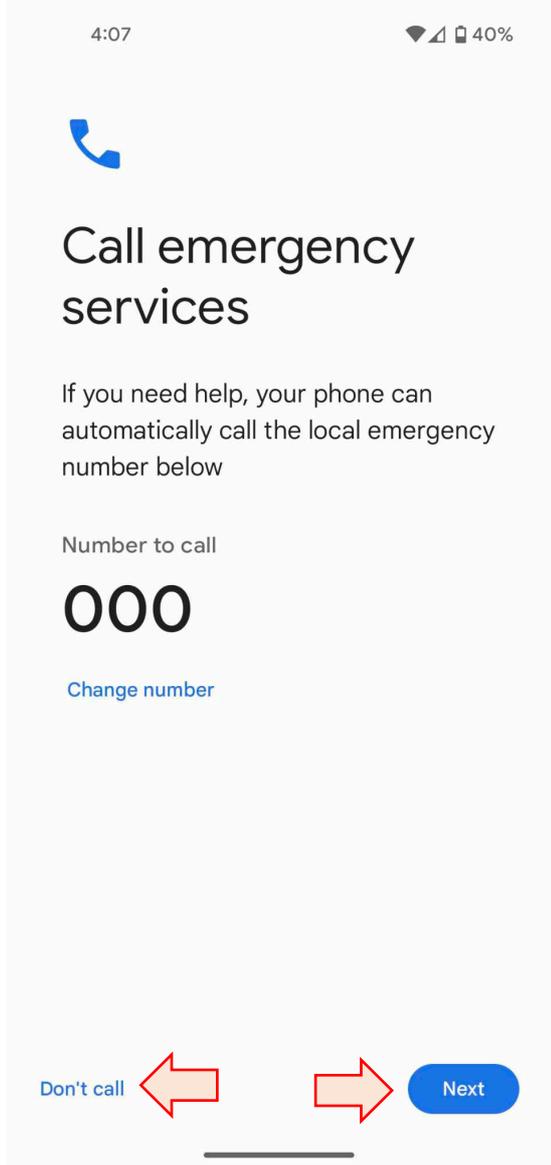
## Set up your emergency actions

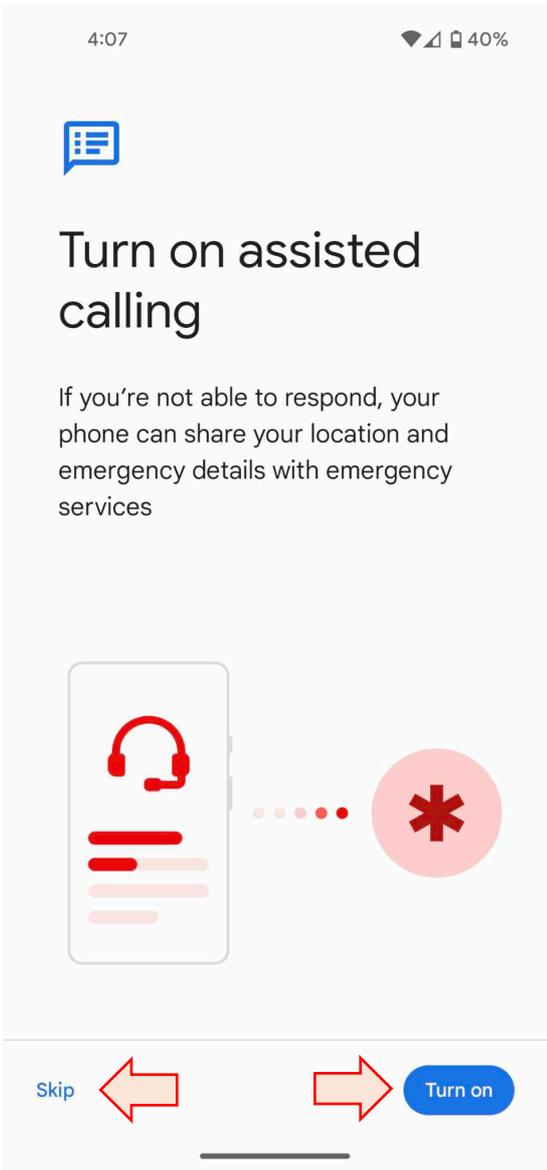
When you start Emergency SOS, your phone will:

-  Call emergency services  
Review emergency phone number and turn on assisted calling
-  Share info with emergency contacts
-  Record a video

**Start**

**Tap start**

	<p><b>If you want 000:</b> <input checked="" type="checkbox"/></p> <ul style="list-style-type: none"><li>- tap next</li></ul> <p><b>If you do not want 000:</b> <input type="checkbox"/></p> <ul style="list-style-type: none"><li>- tap don't call</li></ul>
--	---

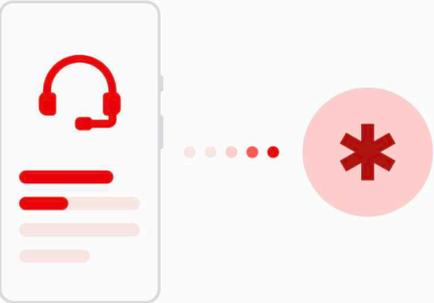


4:07    40%



## Turn on assisted calling

If you're not able to respond, your phone can share your location and emergency details with emergency services



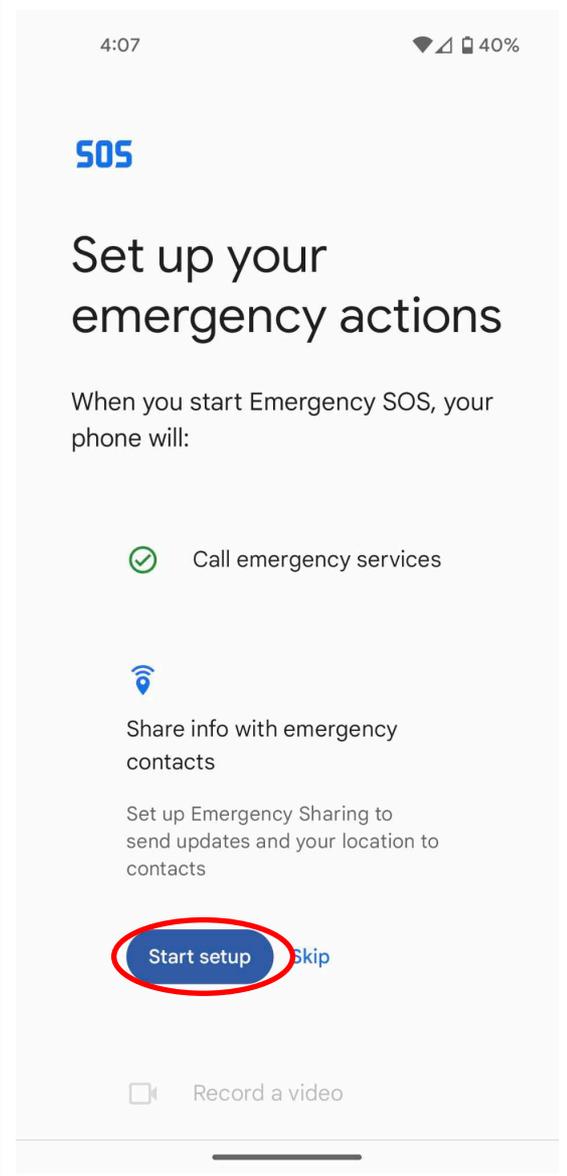
Skip   Turn on

If you **want** assisted calling: 

- Tap turn on

If you **do not want** assistive calling: 

- Tap skip



4:07   40%

**SOS**

## Set up your emergency actions

When you start Emergency SOS, your phone will:

- Call emergency services
-  Share info with emergency contacts  
Set up Emergency Sharing to send updates and your location to contacts
- Record a video

**Start setup** Skip

**Tap start setup**

Learn more). At the bottom, there are two buttons: 'No, thanks' and 'Set up'. The 'Set up' button is circled in red." data-bbox="78 208 425 728"/>

4:07    40%

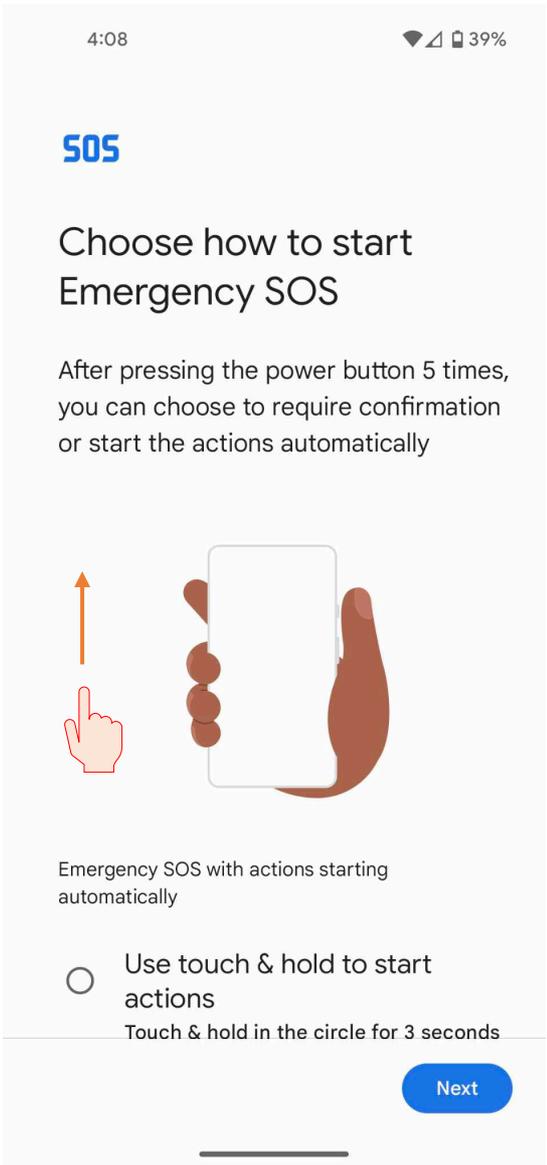
 **Emergency sharing**  
Share your real-time location and critical info with your emergency contacts

 **Safety check**  
Set a check-in timer for your phone to confirm that you're safe.  
  
If you don't respond, Emergency Sharing starts automatically.

 **Hands-free help with Google Assistant**  
Quickly start or stop Emergency Sharing and Safety Check with your voice. Try saying 'Hey Google, start a Safety Check' or 'Stop Emergency Sharing'. [Learn more](#)

No, thanks **Set up**

**Tap set up**

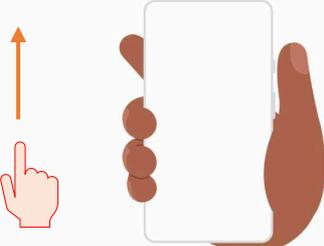


4:08    39%

## SOS

### Choose how to start Emergency SOS

After pressing the power button 5 times,  
you can choose to require confirmation  
or start the actions automatically

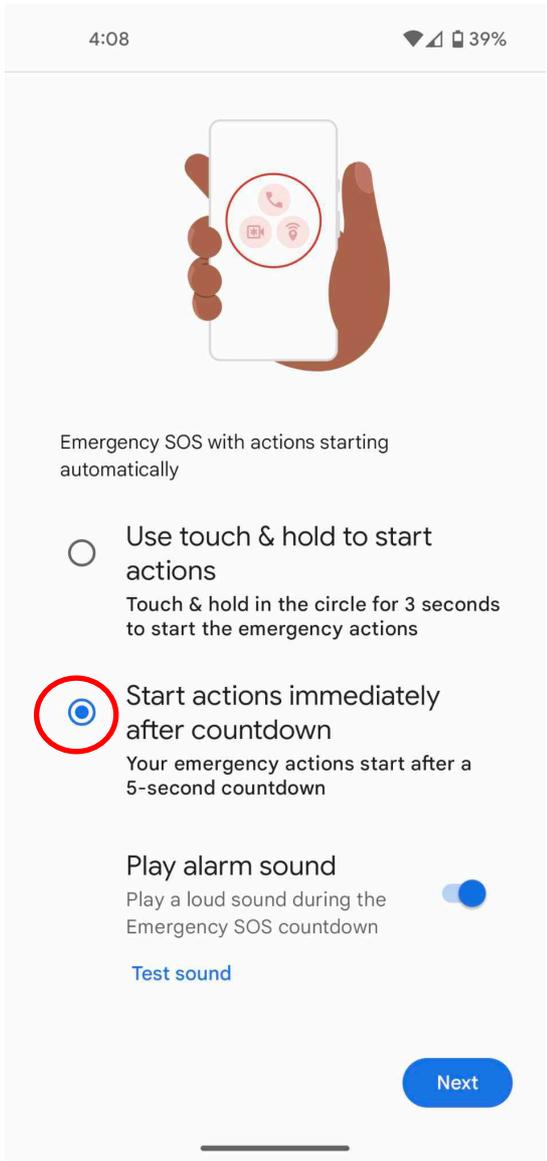


Emergency SOS with actions starting  
automatically

Use touch & hold to start  
actions  
Touch & hold in the circle for 3 seconds

[Next](#)

**Swipe up for more options**



4:08 39%

Emergency SOS with actions starting automatically

Use touch & hold to start actions  
Touch & hold in the circle for 3 seconds to start the emergency actions

Start actions immediately after countdown  
Your emergency actions start after a 5-second countdown

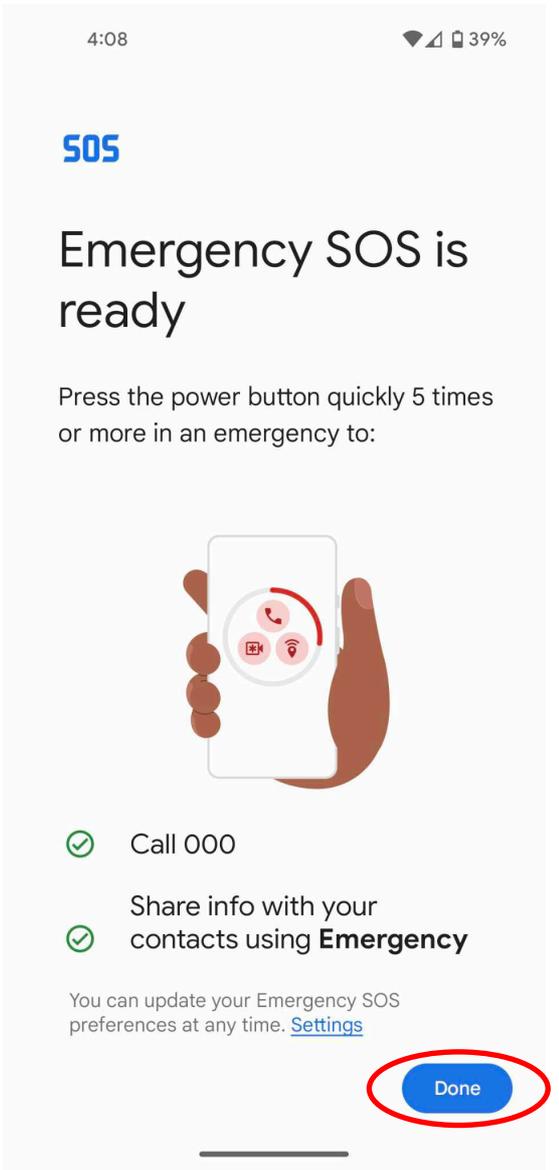
Play alarm sound   
Play a loud sound during the Emergency SOS countdown

[Test sound](#)

Next

**Tap the option you want**

**The blue circle means it is selected**



4:08 39%

## SOS

### Emergency SOS is ready

Press the power button quickly 5 times or more in an emergency to:



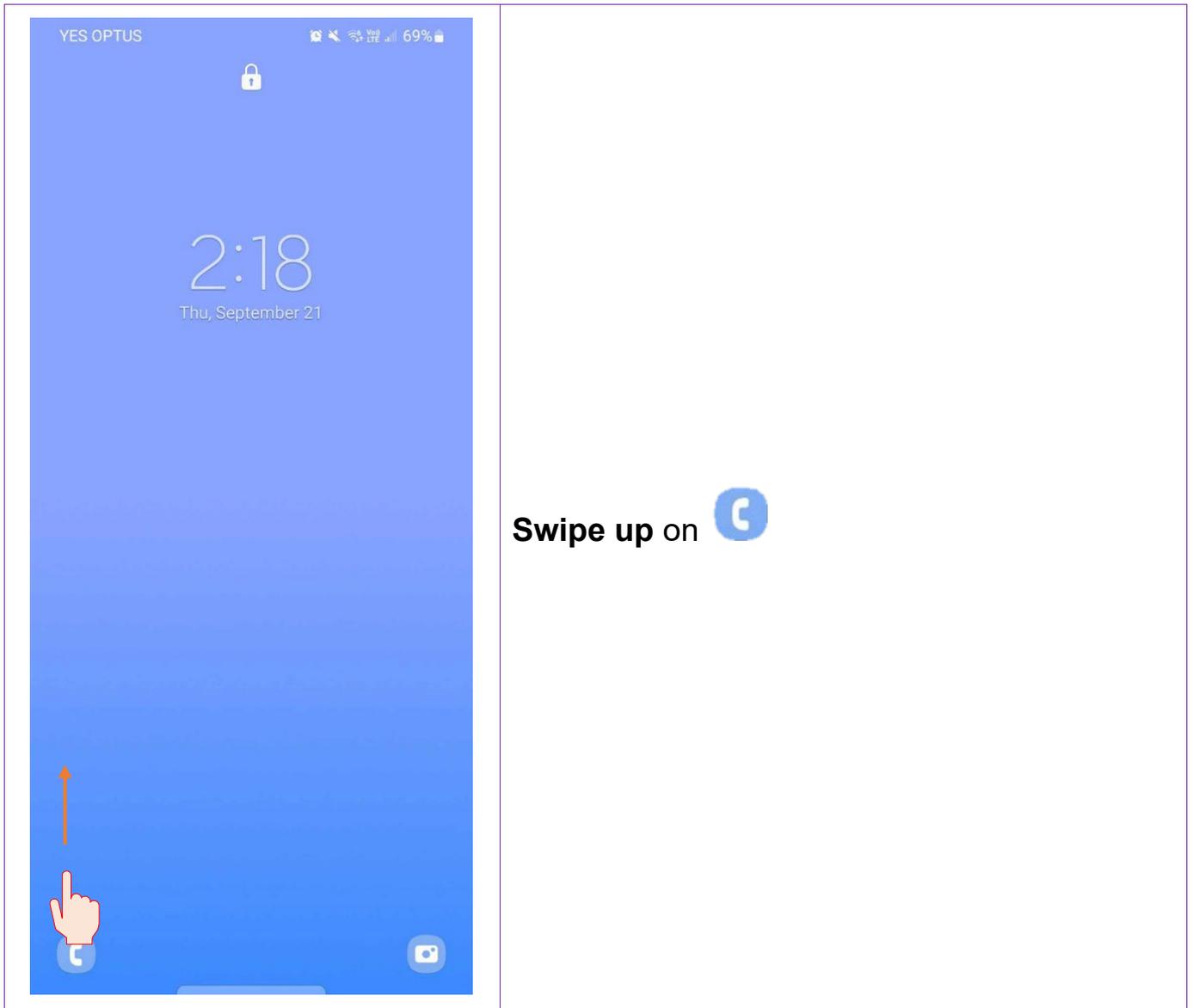
- ✓ Call 000
- ✓ Share info with your contacts using **Emergency**

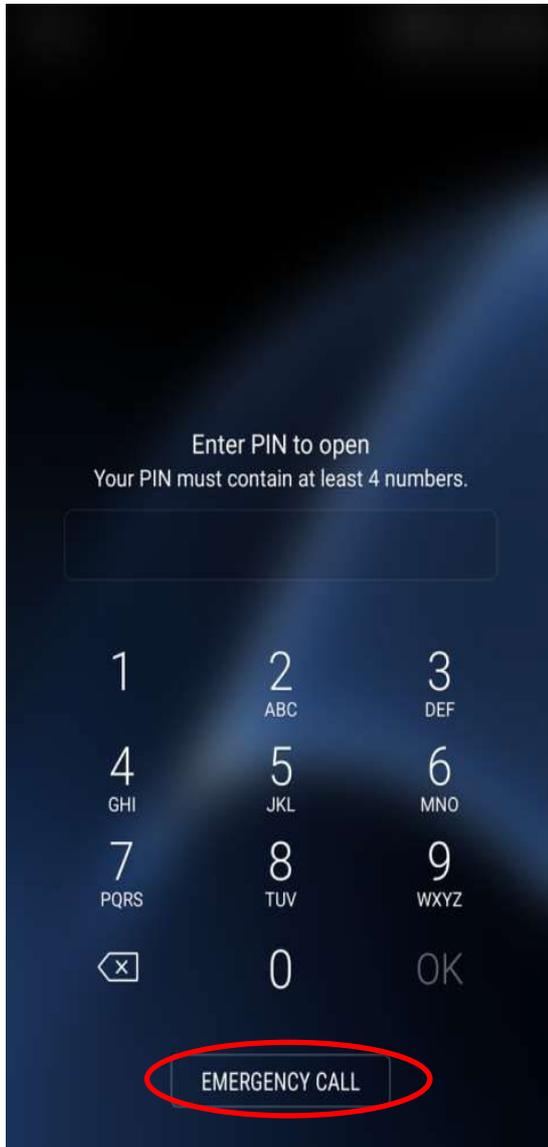
You can update your Emergency SOS preferences at any time. [Settings](#)

**Done**

Tap done

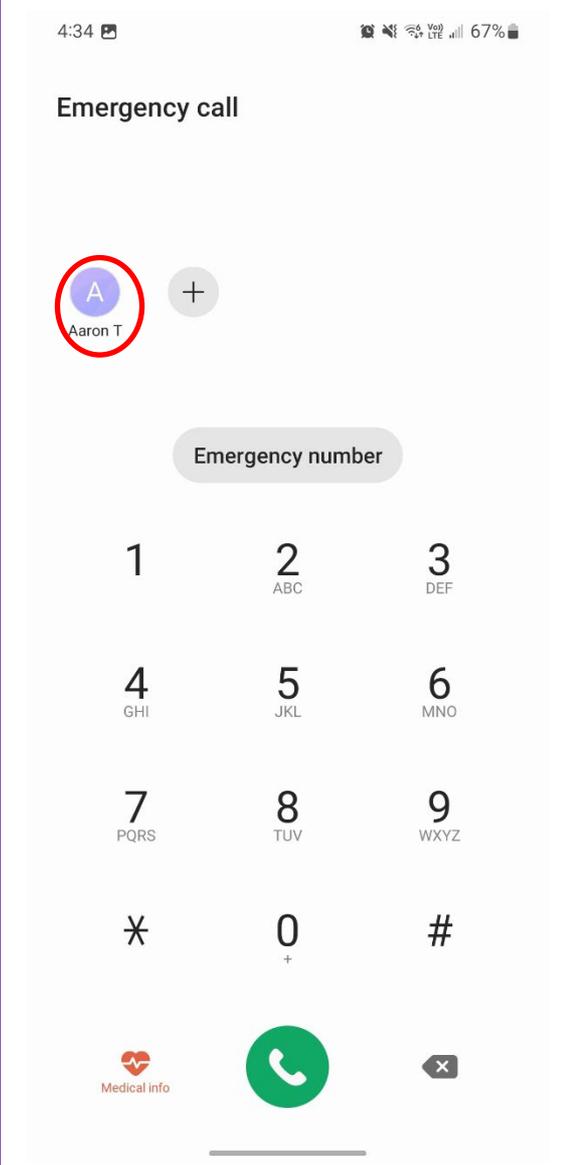
## Make an Emergency Call





## Tap Emergency Call

Image from: <https://gadgetguideonline.com/s7/galaxy-s7-online-manual/galaxy-s7-lock-screen/>



4:34 [signal icons] 67%

Emergency call

 Aaron T

Emergency number

1 2 3  
ABC DEF

4 5 6  
GHI JKL MNO

7 8 9  
PQRS TUV WXYZ

\* 0 #  
+

Medical info  

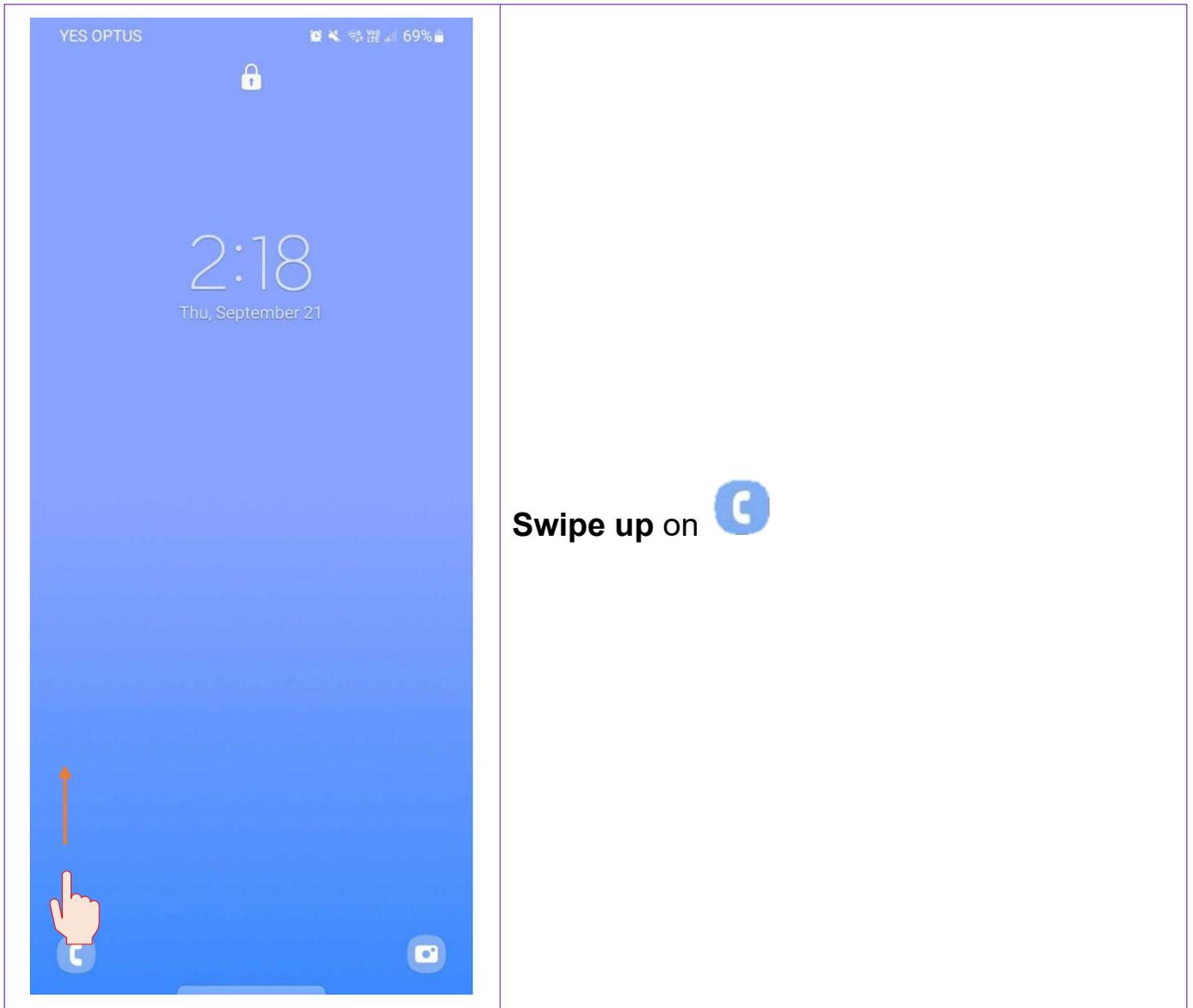
**Tap the person you want to call**

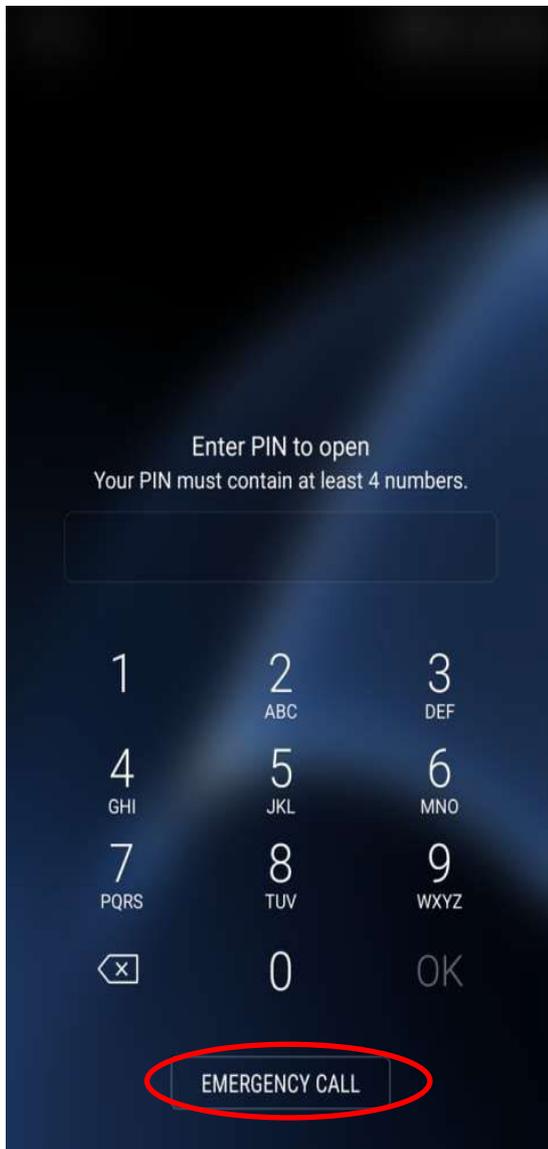


The screenshot shows an iPhone emergency call interface. At the top, the status bar displays the time 4:34, signal strength, Wi-Fi, cellular, and battery at 67%. Below the status bar, the text "Emergency call" is displayed. A contact icon for "Aaron T" is visible. A numeric keypad is shown with digits 1-9, \*, 0, and #. At the bottom, a white dialog box asks "Make an emergency call?" with two buttons: "Cancel" and "OK". The "OK" button is circled in red.

**Tap OK**

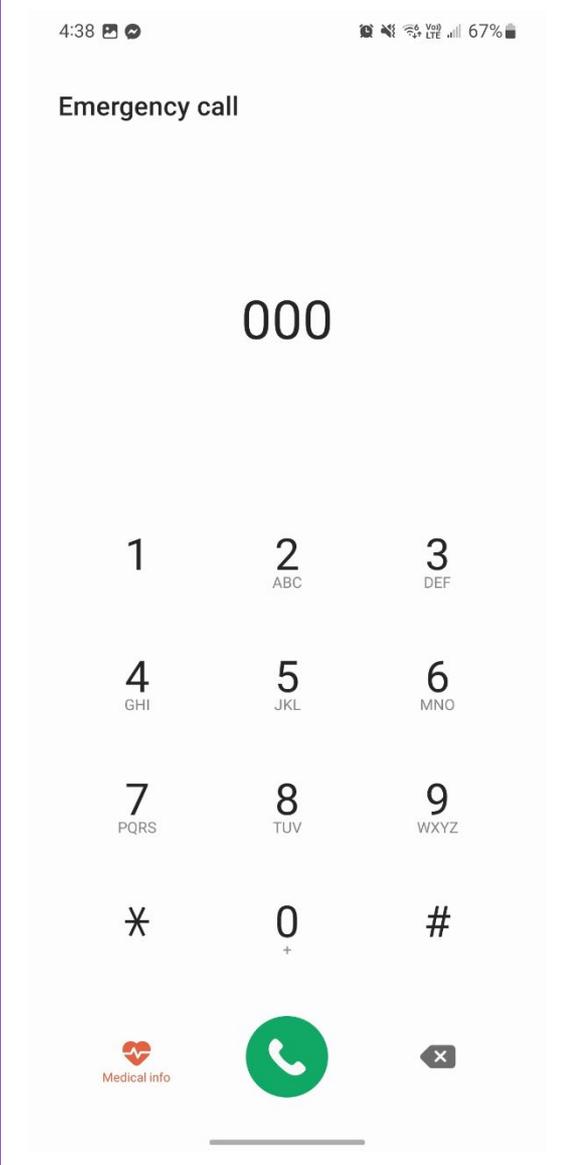
## Dial 000





## Tap Emergency Call

Image from: <https://gadgetguideonline.com/s7/galaxy-s7-online-manual/galaxy-s7-lock-screen/>



4:38 [signal] [battery] 67%

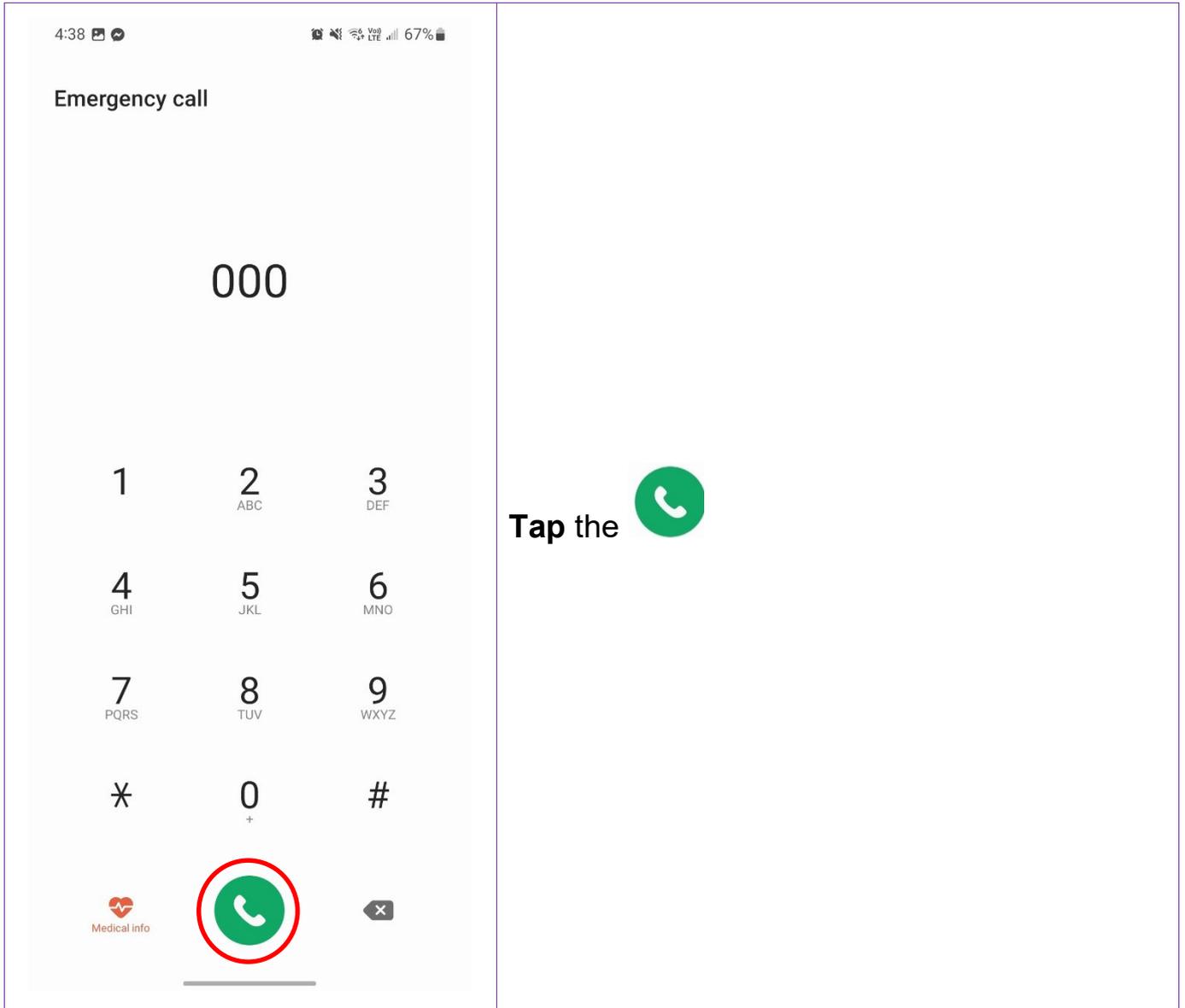
Emergency call

000

1 2 ABC 3 DEF  
4 GHI 5 JKL 6 MNO  
7 PQRS 8 TUV 9 WXYZ  
\* 0 + #

Medical Info [call] [cancel]

**Tap 000 into the keypad.**



## Summary

### **TalkBack:**

TalkBack reads out what is on your phone.

It is helpful for people who find it hard to read.

You can touch the screen, and it will say what you are touching.

You can use special finger movements to make your phone easier to use.

### **Spoken Assistance:**

Spoken Assistance reads out what is on your phone.

It is helpful for people who find it hard to read.

You can touch the screen, and it will say what you are touching.

### **Visibility Enhancements:**

Visibility Enhancements can change how your phone screen looks to make it easier to see.

It is helpful for people who find it hard to see what's on their phone screen.

**High Contrast Theme (image)**

**High Contrast Keyboard (image)**

**Highlight Buttons (image)**

### **Interaction and Dexterity:**

Interaction and Dexterity menu makes it easier to use your phone.

It is helpful for people who find it difficult to move their fingers to use their phone.

**Assistant Menu (image)**

Opens a menu on screen to control your phone.

**Voice Access (image)**

You can control your phone by speaking to it.

**Answering and Ending Calls (image)**

You can answer and end calls by pressing the side buttons.

**Accessibility Menu (Include Image):**

Opens a menu that lets you control accessibility settings.

## Glossary

**App:** A program that does a specific task.

**Guided Access:** This feature locks your phone to a single app.

**Zoom:** This feature makes your screen bigger

**Medical ID:** Medical information paramedics can see if you have an accident.

**SOS Call:** A feature that makes calling emergency services easier.