



# Apple Users Group

September 29<sup>th</sup>, 2022  
109<sup>th</sup> Presentation\*



\*Since Jan 2010

# Next Meeting

January 26, 2023

Thursday 1:00pm



The image features a dark, star-filled space background. In the center, a large, dark silhouette of the Apple logo is visible. This silhouette is surrounded by a ring of numerous small, colorful stars and galaxies, creating a celestial effect. The stars vary in color, including blue, yellow, and white. At the bottom of the image, the text "Far Out" Apple Event" is written in a white, sans-serif font.

“Far Out” Apple Event

# Sept 7<sup>th</sup> Apple Event



- Apple announced a number of new products:
  - 4 new iPhones: 14, 14 Plus, 14 Pro and 14 Pro Max
    - They will continue to sell the iPhone SE 3<sup>rd</sup> Gen, the 12, and the 13/13mini
  - 3 new  Watches: SE, Series 8, and Ultra, and sales of all other  Watch models have been discontinued
  - A new AirPods Pro 2<sup>nd</sup> Generation, discontinuing the AirPods Pro 1<sup>st</sup> Generation, and continuing to sell the 2<sup>nd</sup> and 3<sup>rd</sup> Generation AirPods

# iPhone 14



# iPhone 14



- Last year Apple released the iPhone 13 (6.1”) and the iPhone 13 Mini (5.7”)
- This year, they released the iPhone 14 (6.1”) with the same form factor as last year's model, but instead of an iPhone 14 Mini, they instead released a new iPhone 14 Plus (6.7”)
- Both models are powered by the same A15 Bionic chip as last year's iPhones
- The devices are available in five colors: blue, purple, midnight, starlight, and red
- The iPhone 14 starts at \$799 while the 14 Plus starts at \$899

# iPhone 14



- The iPhone 14 has improved battery life - an hour longer than the iPhone 13
- The most significant updates are related to the cameras
- There's a new 12-megapixel main camera with a larger sensor and bigger pixels
- Using a combination of hardware and software, the “Photonic Engine” improves low-light performance up to 2x
- Video recording is also getting a new feature called Action Mode, which stabilizes shaky footage as you're recording



Action mode off



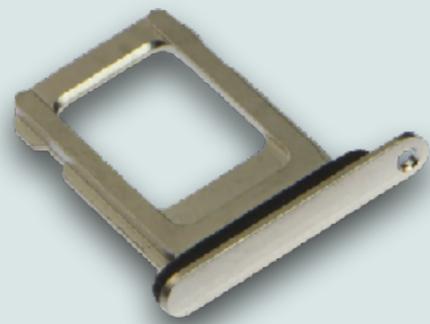
Action mode on





# iPhone 14

- There is a new Crash Detection Feature that will automatically contact emergency services if you're in a serious car accident and can't reach your iPhone
- This is powered by a high dynamic range gyroscope and a dual-core accelerometer that can measure up to 256Gs
- Apple also uses other sensors to power this feature: the barometer detects changes in cabin pressure, the GPS watches for rapid speed changes, and the microphone can listen for car crash noises



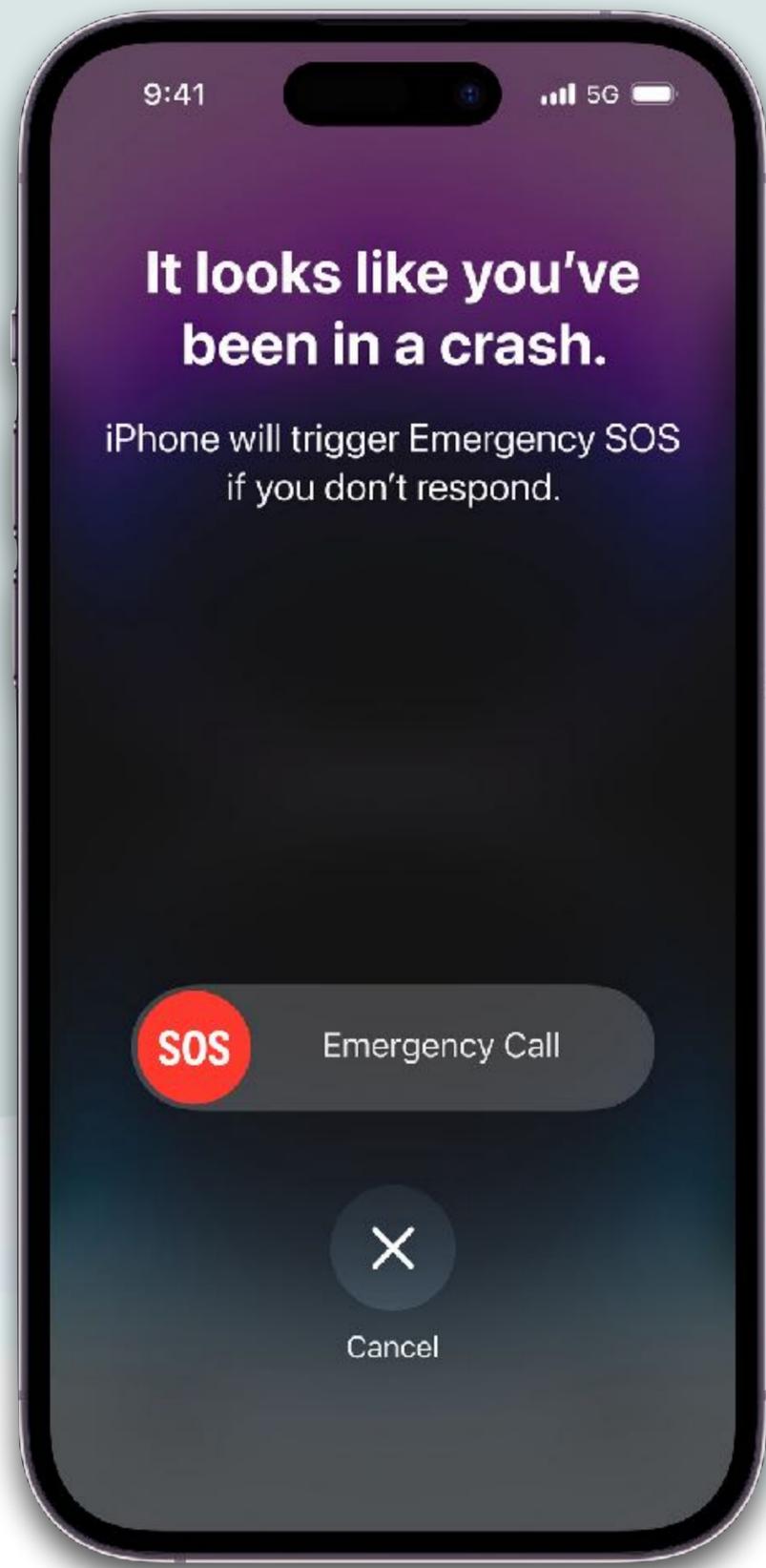
# iPhone 14

- Another notable change this year is the removal of the physical SIM card tray in all the new models (including the new Pro models)
- Apple is getting rid of the slot on the edge of the iPhone, and will instead have 2 eSims
- This will allow their phones to be provisioned remotely

# iPhone 14



- Apple also added “Emergency SOS via Satellite” on all 4 models
- This allows the phone to connect directly to satellites for communication purposes in emergency situations when WiFi and cellular are not available
- “Emergency SOS via Satellite” works in open areas with few trees, and it allows users to send texts to emergency personnel
- The service is free for two years (after that ???)



# iPhone 14 Pro



# iPhone 14 Pro



- The iPhone 14 Pro/Pro Max also uses the same form factor as last year's 13 Pro/Pro Max: 6.1" for the Pro and 6.7" for the Pro Max
- It has a new more powerful A16 bionic chip and comes in deep purple, silver, gold, and space black
- iPhone 14 Pro starts at \$999, while the iPhone 14 Pro Max starts at \$1,099

# iPhone 14 Pro

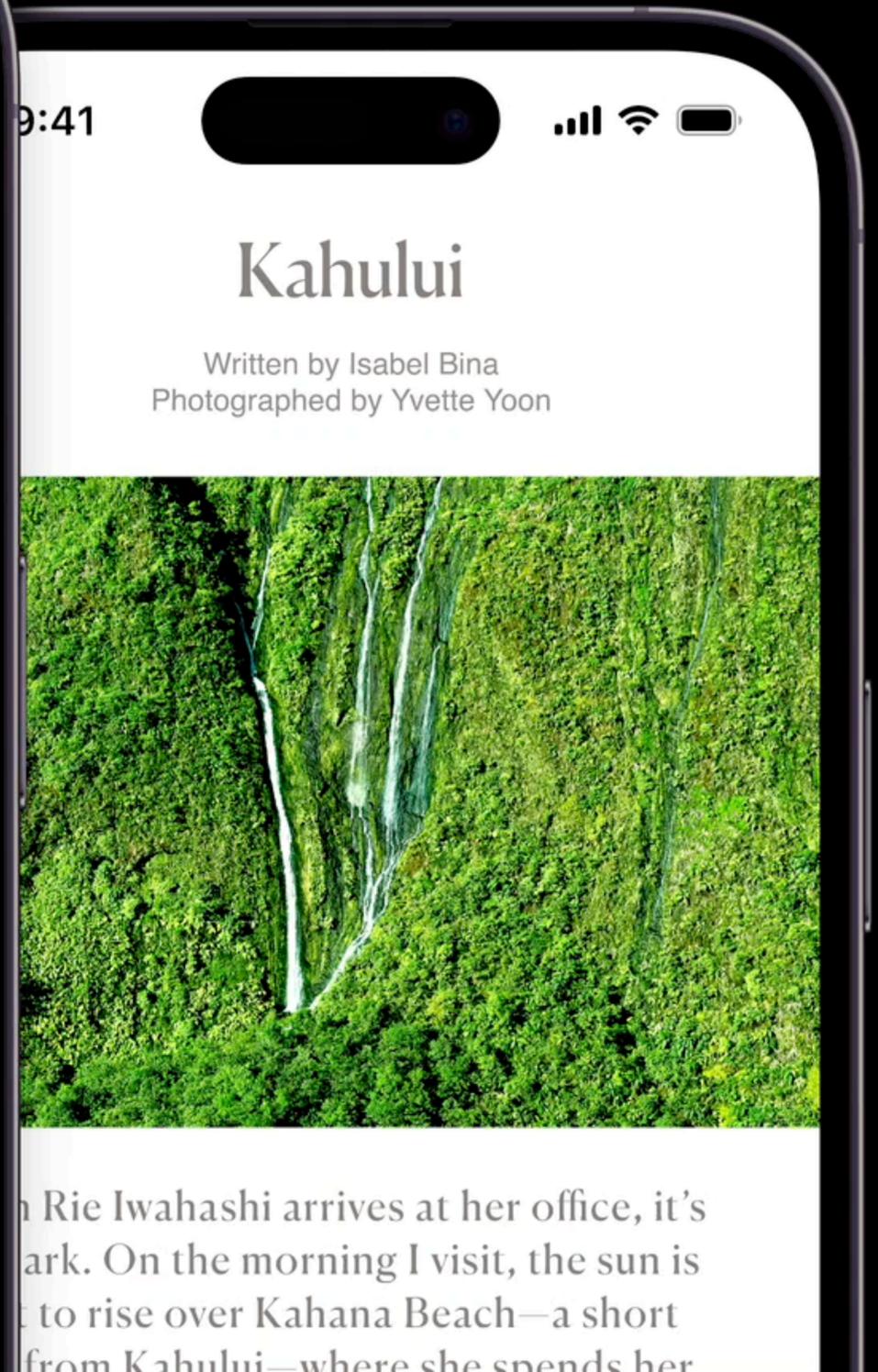


- The iPhone 14 Pro has all the new features found in the iPhone 14 including:
  - Longer battery life (>1 hour over the 13 Pro)
  - 2x the low light camera improvement
  - Crash detection
  - Emergency SOS via satellite
  - Action Mode for Video

# iPhone 14 Pro



- A new “Dynamic Island” replaces the notch for the TrueDepth camera system
- This is a pill-shaped cutout at the front of the display which houses the camera equipment, and can change in shape and size depending on what's on the screen
- It is able to adapt in real time, showing alerts, notifications, and activities in the space where the notch used to be
- The Dynamic Island can show payment confirmations, map directions, phone calls, music information, sports scores, timers, and more
- It can also be interacted with using a tap and hold gesture





9:41



# iPhone 14 Pro



- The iPhone 14 Pro and Pro Max feature an Always-On display, a first for an iPhone, similar to the Always-On display you find on the recent  Watches
- The Always-On display is made possible through a new 1Hz to 120Hz refresh rate along with improved power efficient technologies
- When the Always-On display is active, the wallpaper is dimmed and the time, widgets, and Live Activities remain up to date and available at a glance

# iPhone 14 Pro



- The Pro has a new 48-megapixel camera with a quad-pixel sensor, so the detail of a 48-megapixel photo is compressed into a 12-megapixel photo
- For most photos, every four pixels are combined into one large quad pixel for even better low-light performance
- The 48-megapixel lens also enables a 2x Telephoto mode by using the middle 12 megapixels with no digital zoom
- This joins the existing 3x zoom giving you an option of .5x, 1x, 2x, or 3x zooms

# Current Models



# iPhone Features



Model	SE 3 <sup>rd</sup> gen	12	13/13 Mini	14/14 Plus	14 Pro/14 Pro Max
Screen Size	4.7"	6.1"	6.1"/5.4"	6.1"/6.7"	6.1"/6.7"
Chip	A15	A14	A15	A15	A16
Security Id	TouchID	FaceID	FaceID	FaceID	FaceID
Camera	Wide	Wide/Ultra Wide	Wide/Ultra Wide	Wide/Ultra Wide	Wide/Ultra Wide/ Telephoto
Optical Zoom	-	2X	2X	2X	6X
LiDar	No	No	No	No	Yes
Storage	64, 128, 256	64, 128, 256	128, 256, 512	128, 256, 512	128, 256, 512, 1TB

# iPhone Pricing



Storage	64GB	128GB	256GB	512GB	1TB
iPhone SE 3 <sup>rd</sup> Gen	\$429 <b>X</b>	\$479	\$579	-	-
iPhone 13 Mini	-	\$599	\$699	\$899	-
iPhone 12	\$599 <b>X</b>	\$649	\$749	-	-
iPhone 13	-	\$699	\$799	\$999	-
iPhone 14	-	\$799	\$899	\$1,099	-
iPhone 14 Plus	-	\$899	\$999	\$1,199	-
iPhone 14 Pro	-	\$999	\$1,099	\$1,299	\$1,499
iPhone 14 Pro Max	-	\$1,099	\$1,199	\$1,399	\$1,599



**Apple WATCH**  
SERIES 8

**Apple WATCH**  
ULTRA

**Apple WATCH**  
SE

# Apple Watch SE 2<sup>nd</sup> Gen



- Apple has refreshed its entry-level smartwatch, adding some of the features found in the more expensive models
- The second-generation model now has the same processor as the new Series 8 watch, which is 20 percent faster than the previous model
- It also comes with vehicle crash detection, where two new accelerometers allow the SE to detect when your car rolls over, or is hit from the front, side or back

# Apple Watch SE 2<sup>nd</sup> Gen



- It comes in three different colors: Silver, Midnight and Starlight
- The second-generation SE is the most affordable Apple Watch
  - The GPS model starts at \$249
  - The cellular variant starts at \$299
- The SE is a very compelling model to consider

# Apple Watch 8



- The Apple Watch Series 8 is a mostly iterative update to last year's model looking essentially identical to the Series 7
- It comes in four aluminum colors (silver, midnight, starlight, and red), as well as three stainless steel finishes
- The GPS-only model starts at \$399, while the cellular models start at \$499

# Apple Watch 8



- The Apple Watch 8 has all the features of the new Apple Watch SE plus:
  - A larger face (45/41mm vs 44/40mm)
  - Always on Display
  - Blood O<sub>2</sub>, ECG, and a new temperature sensor
  - Fast Charging ability
  - Stainless steel case options in addition to Aluminum

# Apple Watch 8



- The first main new feature is the temperature sensor
- It'll use readings to give an estimate on when women may be ovulating
- It's meant to be used overnight, sampling your wrist temperature every five seconds so you can see nightly shifts from your baseline temperature
- You'll also get notifications on potential deviations from your norm

# Apple Watch 8



- While the Series 8 has the same 18-hour battery life, there's a new Low Power Mode that can give you up to 36 hours on a full charge
- Low Power Mode keeps a lot of the core features like activity tracking and fall detection, while turning off things like the always-on display
- Anyone who knows they'll be away from a charger for a long time will appreciate this feature, and it's coming to older Watch models from Series 4 onward

# Apple Watch Ultra



- Apple announced a new model named the Apple Watch Ultra
- It's aimed solely at folks who are very active and spend loads of time outdoors, such as extreme athletes/explorers
- The 49mm Watch Ultra has a noticeably larger screen, meant to enable users to view more health and activity data than the smaller versions
- For example, the Wayfinder face, not only shows a compass, but it also has room for up to eight additional complications

# Apple Watch Ultra



- The display is twice as bright as any Apple Watch so far (up to 2,000 nits) to make it easier to see outside
- It is more rugged with a sapphire crystal and a titanium case built to withstand edge impacts
- There's also a new “Action” button that's customizable for a range of controls like: starting a workout, starting an app, or dropping a Wayfinding pin

# Apple Watch Ultra



- Improved speakers insure you can hear and be heard even when outside
- This even includes an 86-decibel siren which can be heard up to 600 feet away when activated with the new Siren app (Ultra only)
- Ultra offers the most accurate GPS of any watch, thanks to its dual-frequency setup
- This eliminates some of the problems in cities with large buildings, canyons, or other places that interfere with GPS

# Apple Watch Ultra



- The Apple Watch Ultra features a 76% larger battery compared to the 45mm Series 8 and can last up to 36 hours on a charge
- With the new low-power mode, the device can stretch out to 60 hours
- A night mode has a red face and will block blue light to reduce eye strain in the dark and preserve night vision

# Apple Watch Ultra



- The new Apple Watch Ultra is also the most water-friendly Apple Watch ever
- It features EN 13319 certification, the international standard for diving accessories, such as depth gauges and computers relied on by professional divers
- Divers can use a new Depth app that shows several key metrics, including current depth, the current water temperature, the amount of time spent underwater, etc...
- When underwater, the Apple Watch Ultra automatically opens the Depth app, making it quick and easy to get critical information without needing to open it manually

# Apple Watch Ultra



- The Apple Watch Ultra will cost \$799 which includes cellular (There is no GPS only model)
- It has three new bands: Trail Loop for runners, Alpine Loop for hikers/explorers, and the Ocean Band for water sports and diving
- All previous models of the Apple Watch are no longer being sold by Apple, although if you act quick, you might be able to buy them thru 3<sup>rd</sup> party vendors like Best Buy or Amazon



Ultra



Series 8



SE

# Current Models

# Apple Watch Features



Storage	Series SE	Series 8	Series 8 Ultra
Case Size (mm)	40/44	41/45	49
Materials	Al	Al, Stainless Steel	Titanium
Chip	S8	S8	S8
Storage (GB)	32	32	32
Hi/Lo Heart Notifications	Yes	Yes	Yes
Irregular Heart Rhythm	Yes	Yes	Yes
Fall/Crash Detection	Yes	Yes	Yes
Cycle Tracking	Yes	Yes + Ovulation	Yes + Ovulation
Temperature Sensor	No	Yes	Yes
Water Resistance (m)	50	50	100 (40 dive)
Always On Display	No	Yes	Yes
Blood O <sub>2</sub> /ECG	No	Yes	Yes
Cost (GPS)	\$249/\$279	\$399/\$429	-
Cost (Cellular)	\$299/\$329	\$499/\$529	\$799

# AirPods



# AirPod Pro 2<sup>nd</sup> Generation



- Apple announced the second-generation AirPods Pro with an upgraded H2 chip
- The new AirPods Pro look similar to the original
- They have a new Touch Control feature on the stem that allows users to adjust the volume by swiping up or down on the stem
- The silicone ear tips are now available in a new extra small size as well as the previous small, medium, and large sizes

# AirPod Pros 2<sup>nd</sup> Generation



- With a combination of the H2 chip and a new low-distortion audio driver and custom amplifier, they are reported to have "richer bass and crystal-clear sound across a wider range of frequencies"
- Active noise cancellation is improved by up to 2x
- Transparency mode has also been enhanced to better reduce loud environmental noises, such as a passing vehicle siren, or construction tools

# AirPod Pro 2<sup>nd</sup> Generation

- There is a new Personalized Spatial Audio feature that is tailored to the size and shape of a person's head and ears:
- Using the TrueDepth camera on their iPhone, users can create a personal profile for Spatial Audio that delivers a listening experience precisely tuned just for them
- Users can enjoy Personalized Spatial Audio with music, movies, and TV shows — with dynamic head tracking — across iPhone, iPad, Mac, and Apple TV

# AirPod Pro 2<sup>nd</sup> Generation



- The new AirPods Pro provide longer battery life, with up to six hours of listening time per charge, which matches the third-generation standard AirPods released last year
- The charging case now provides up to 30 hours of total listening time, compared to up to 24 hours of total listening time for previous version
- The new case still has a Lightning connector for wired charging

# AirPod Pros 2<sup>nd</sup> Generation



- But now in addition, it can also now be wirelessly charged with an Apple Watch's magnetic charging puck, in addition to MagSafe and Qi charging
- The new charging case features Find My support with a new built-in speaker to help you find the case
- It is IPX4-rated water and sweat resistance, and has a place for an integrated lanyard loop (not included)
- The new AirPods Pros cost \$249



# AirPod Summary



	AirPods 2 <sup>nd</sup> Gen	AirPods 3 <sup>rd</sup> Gen	AirPods Pro 2 <sup>nd</sup> Gen	AirPods Max
Noise Cancelation	No	No	Yes	Yes
Spatial Audio	No	Yes	Yes (Personalized)	Yes
Water Resistant	No	Yes	Yes	No
Silicone ear tips	No	No	Yes	N/A
Charging	Lightning	Lightning, Magsafe, Qi	Lightning, Magsafe, Qi	Lightning
Battery Life (Hrs)	5	6	6	20
Cost	\$129	\$169/\$179 (Qi)	\$249	\$549

# iOS 16



# Coming Later



- macOS Ventura and iPadOS 16 did not launch with iOS 16 and are expected to launch in October
- Shared Photo Libraries
- Apple “Pay Later” service
- The Freeform collaboration app
- Live Activities: which are interactive notifications that stay up to date, allowing you to keep an eye on things happening in real-time right from the Lock Screen (i.e. Sport Scores)



# UI Changes

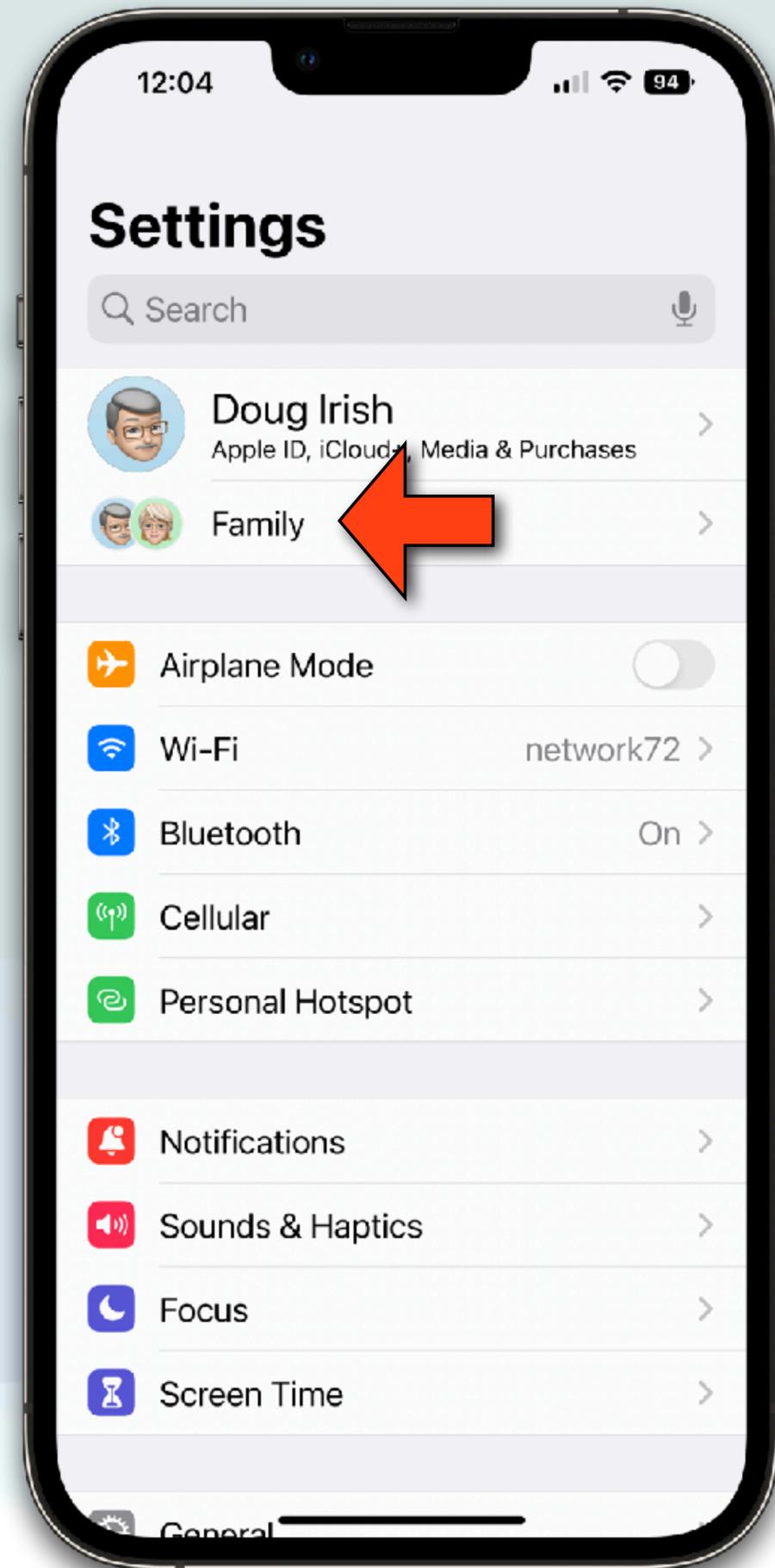
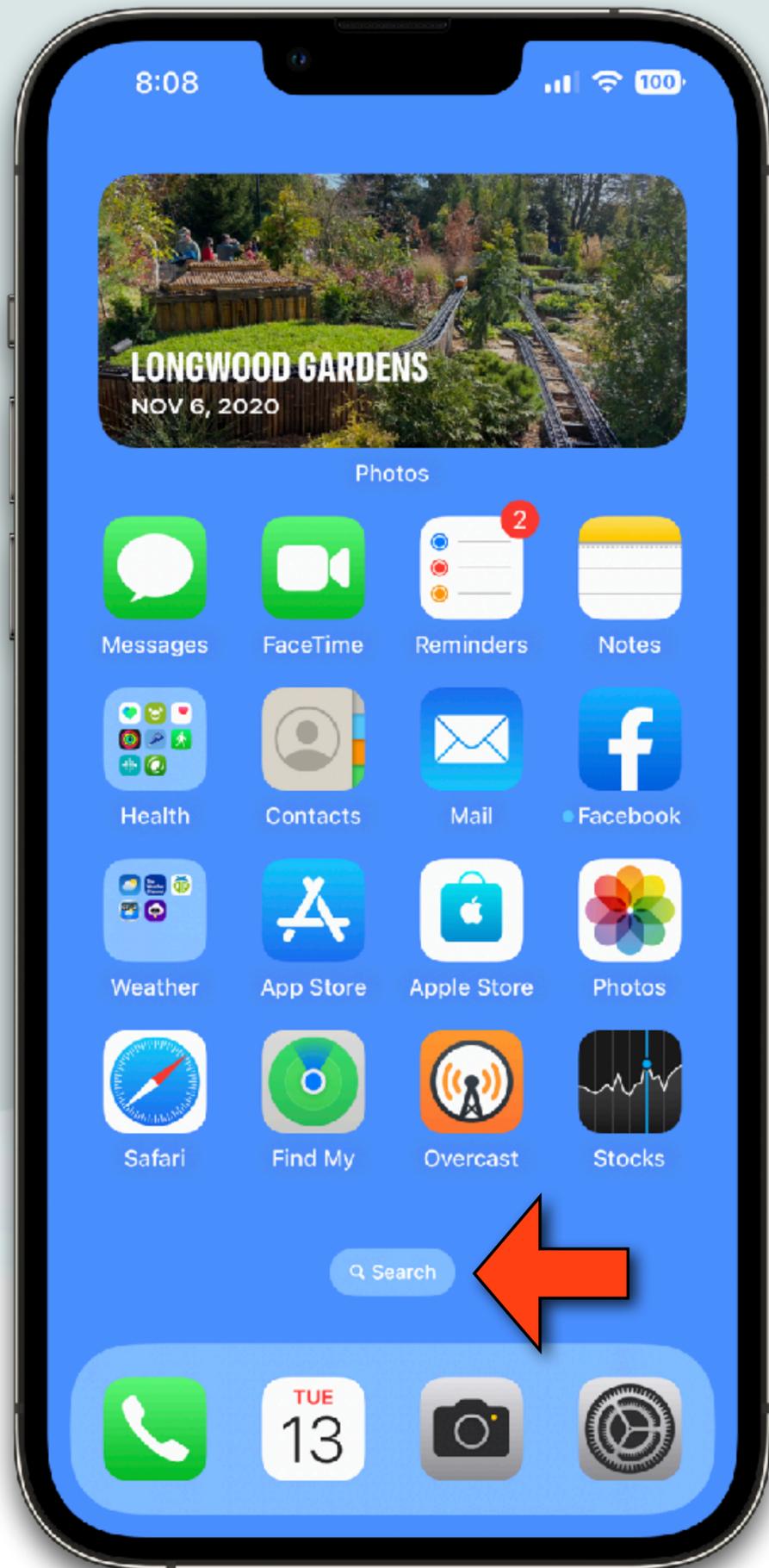
- You can see the Battery Percentage again on the home screen
  - Not available on the iPhone XR, iPhone 11, the iPhone 12 mini, and the iPhone 13 mini until iOS 16.1
- There's a Search field on home screen so you no longer have to remember to pull down on the screen (much more user friendly)
- Family sharing is a separate listing in settings



# Battery %

- You can now add Battery % to your battery display
- Go to Settings>Battery and turn on Battery Percentage





# New iOS 16 Memoji Stickers



# New Lock Screen



- The Lock Screen is fully redesigned in iOS 16 (and works similar to how you edit a watch face on the )
- The new Lock Screen is customizable with a wide range of options for widgets, typefaces, a multilayered effect for images, and animated wallpapers
- Users can also create multiple different Lock Screens and even link them to Focus modes if desired
- You switch between lock screens by long touching the lock screen and swiping left or right



# Personalize Your Lock Screen



<https://www.youtube.com/watch?v=O9C5R3gqxnk>

COLLECTIONS

Monday, September 12

9:41

 Focus



Customize



# Lifting Objects



- iOS 16 has a neat new feature that allows you to lift the subjects right out of your photos
- To use it, tap and hold on a subject in a photo
- When you let go and you'll see a “Copy” and “Share” link for pasting the subject elsewhere or sharing directly to another app
- The feature should also work with videos, just pause the video before tapping and holding to isolate your subject
- It's magic! ✨

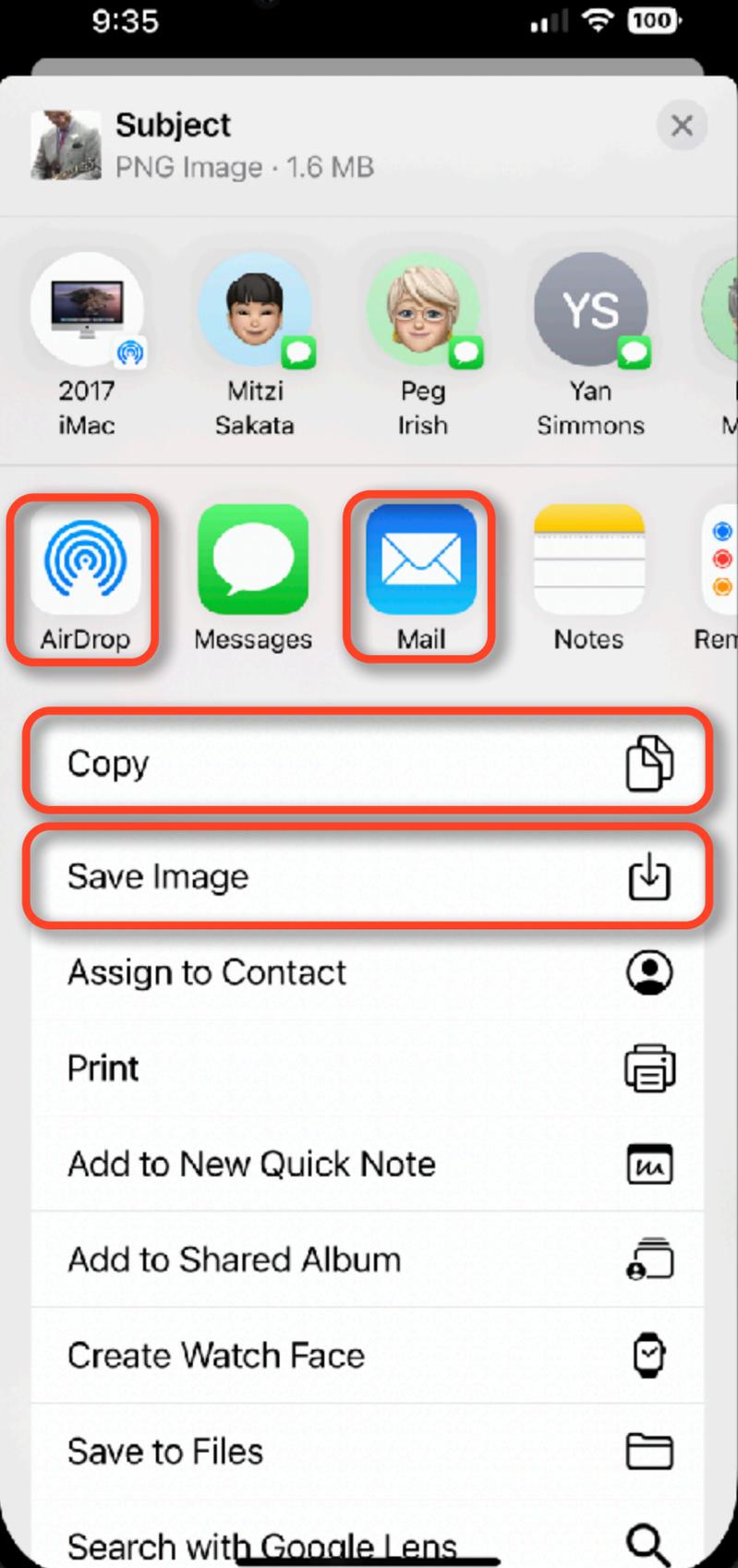
Artist formerly known as Prince.

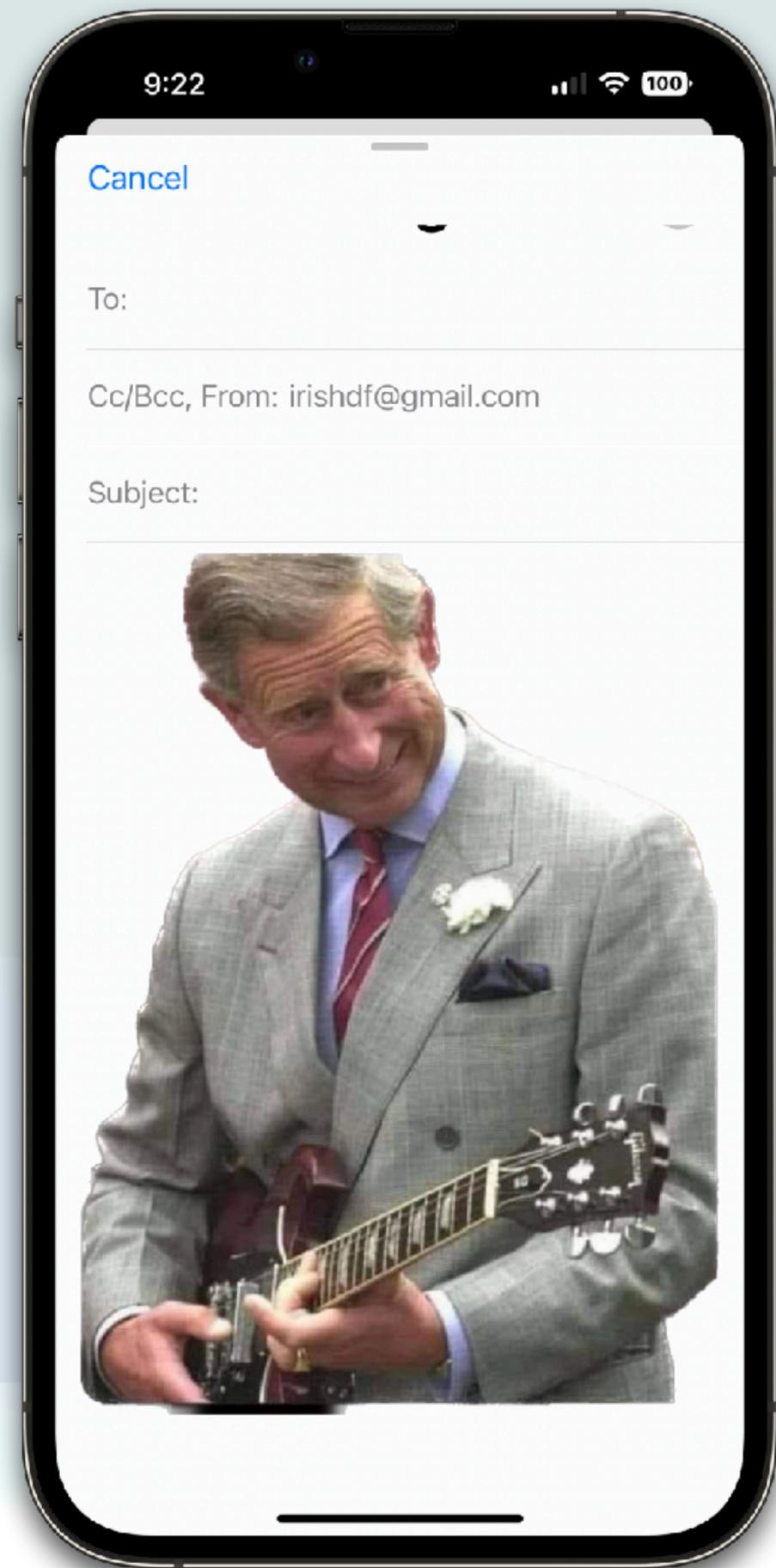
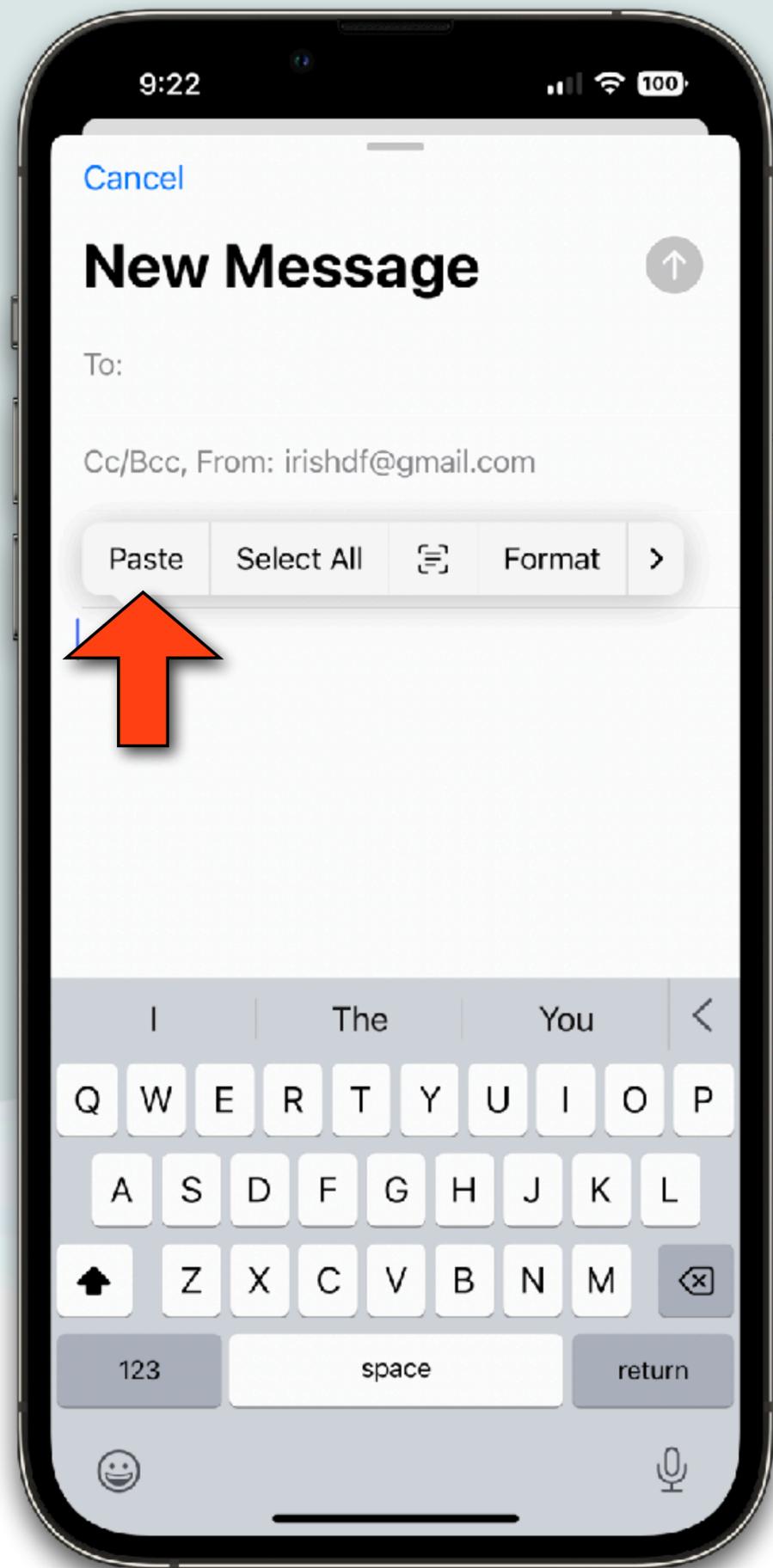


Tap and hold



Artist form Prince.

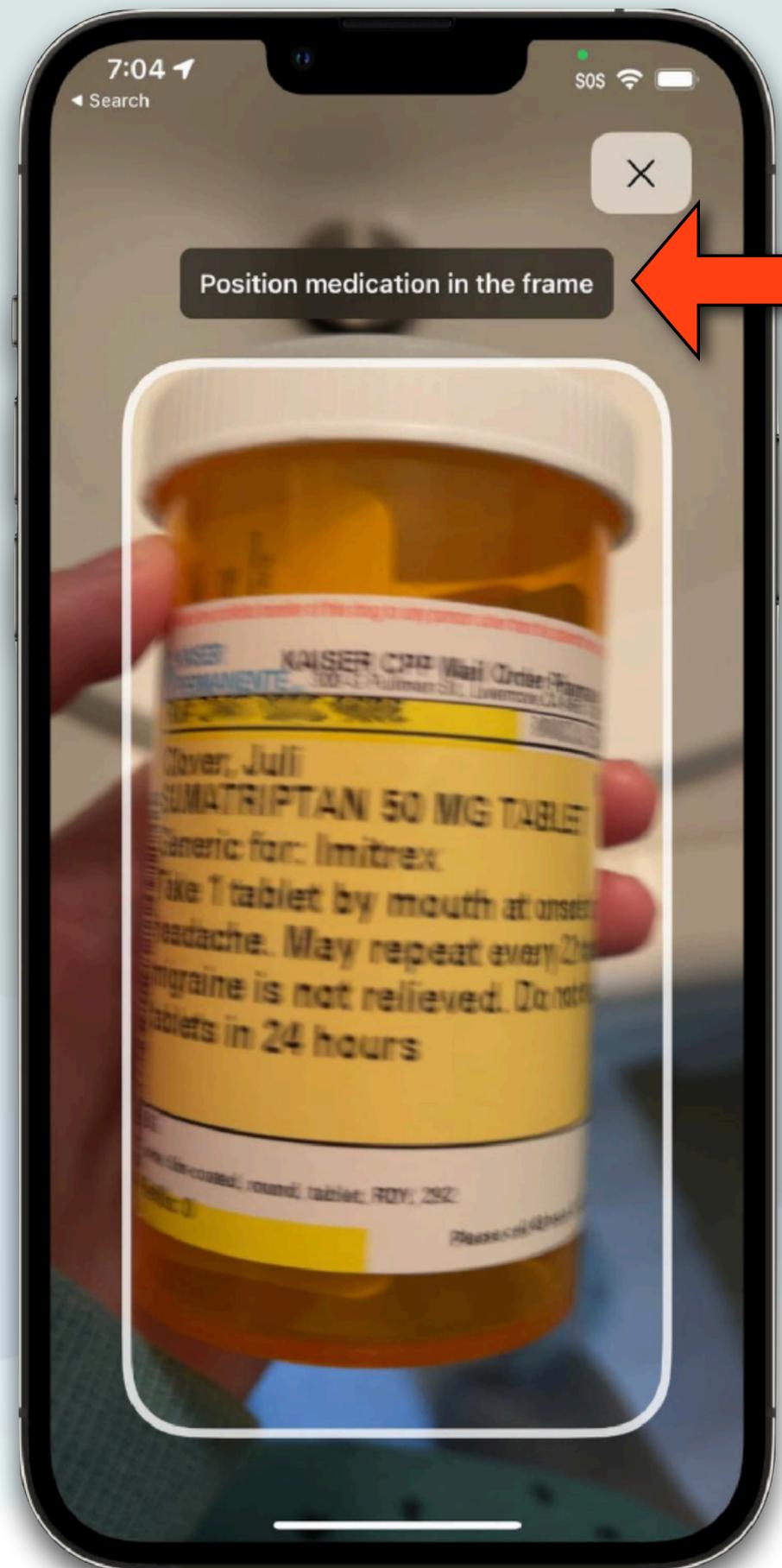
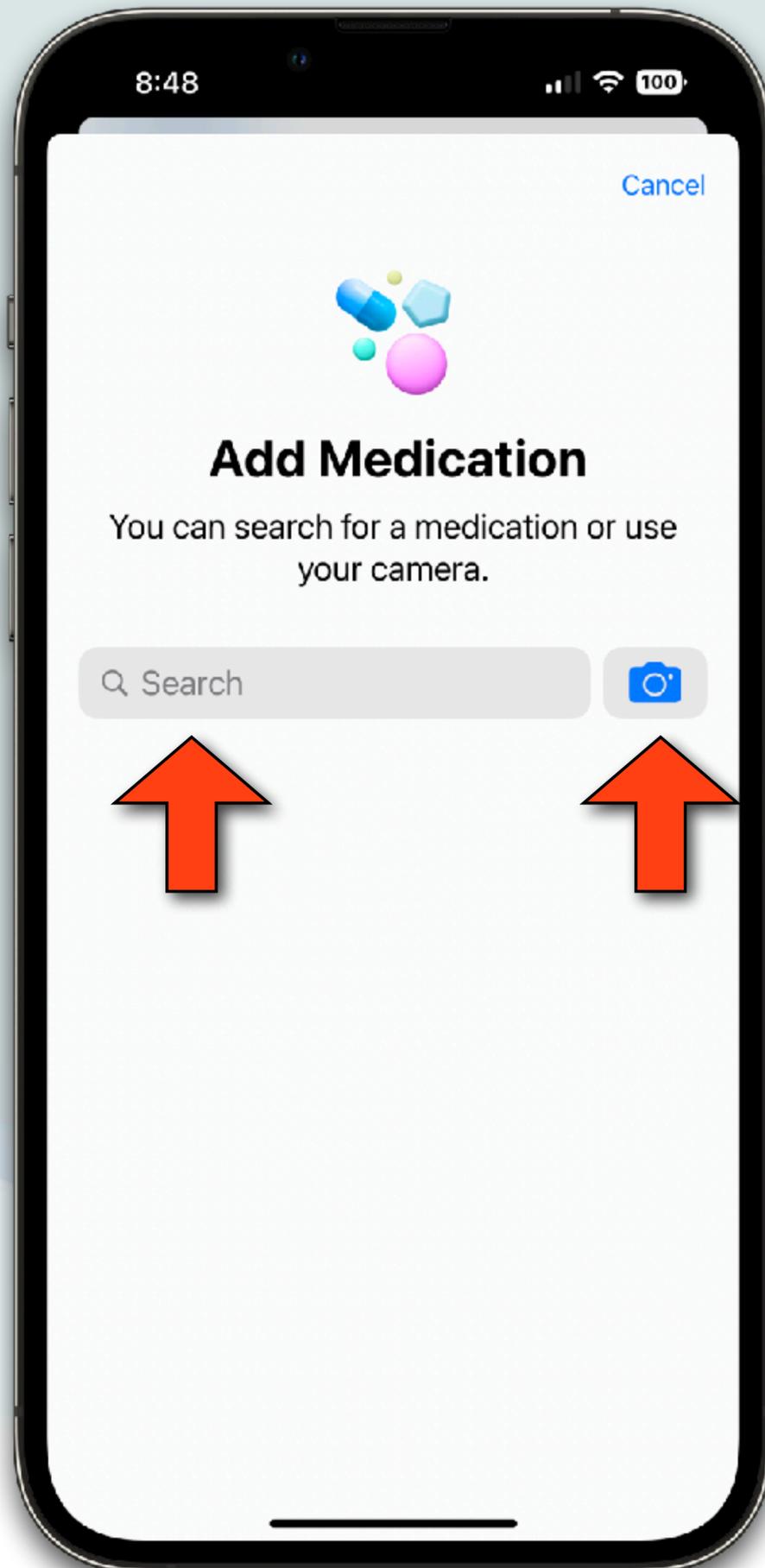
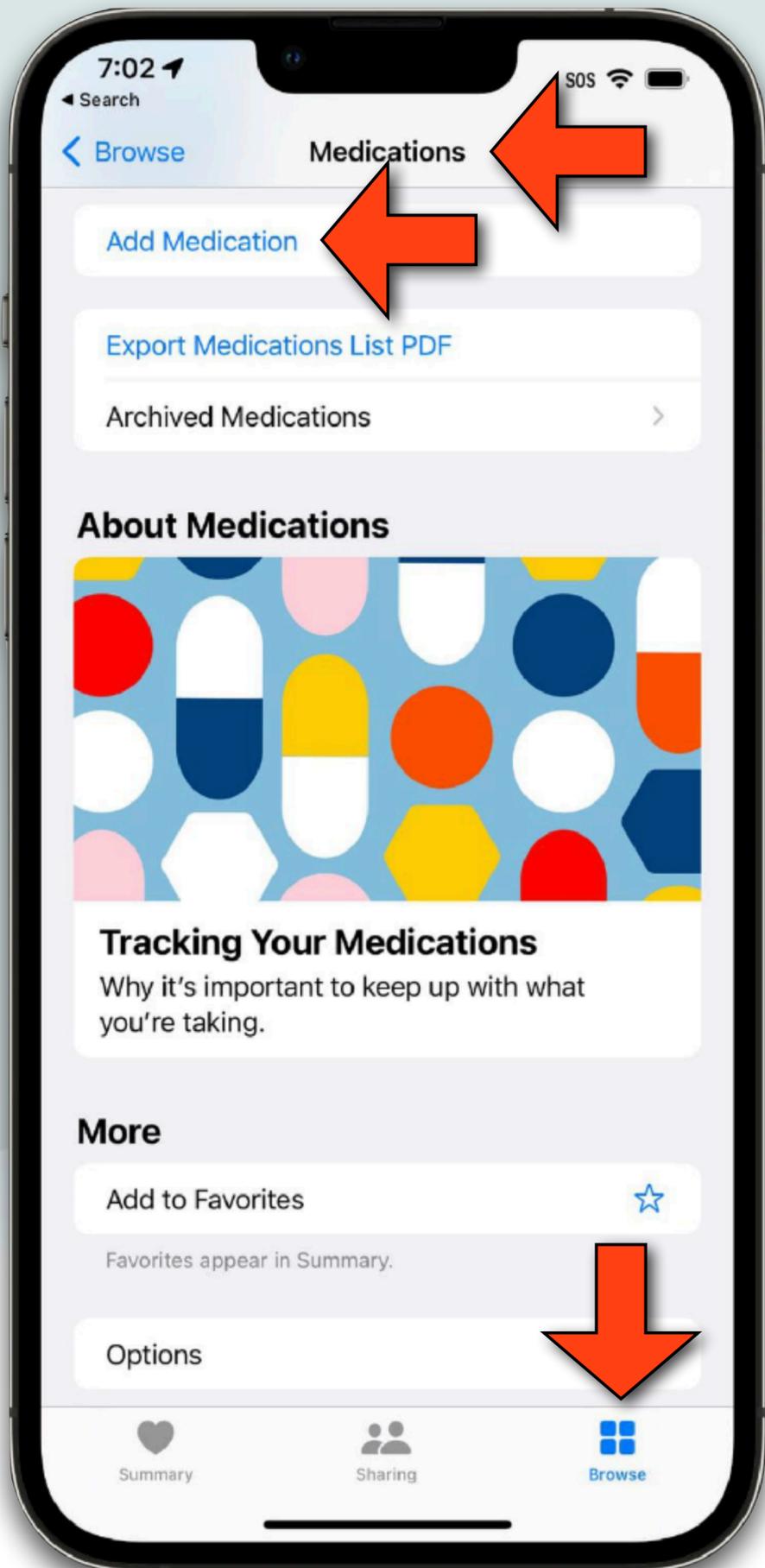




# Health



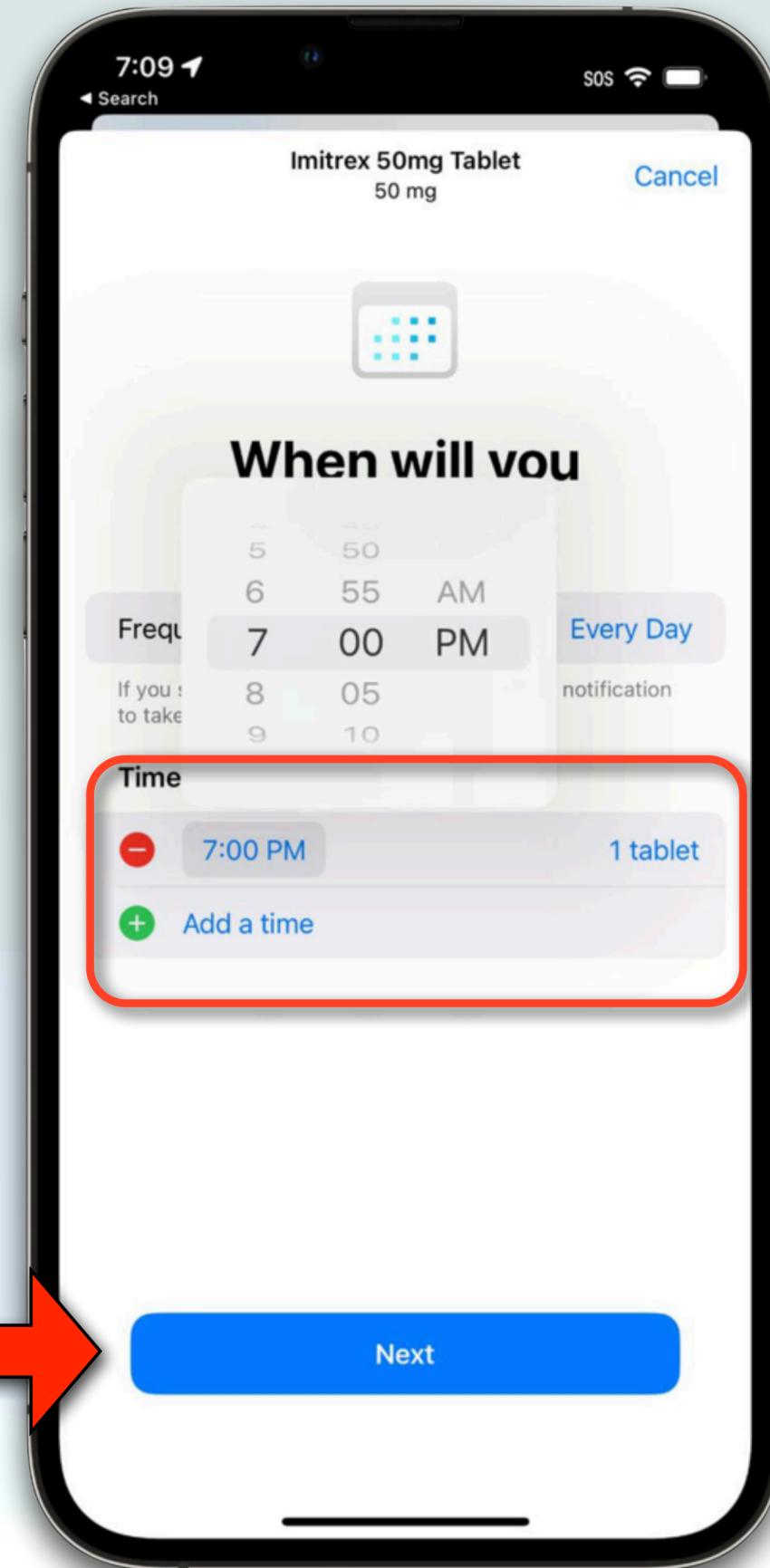
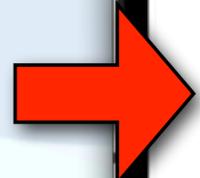
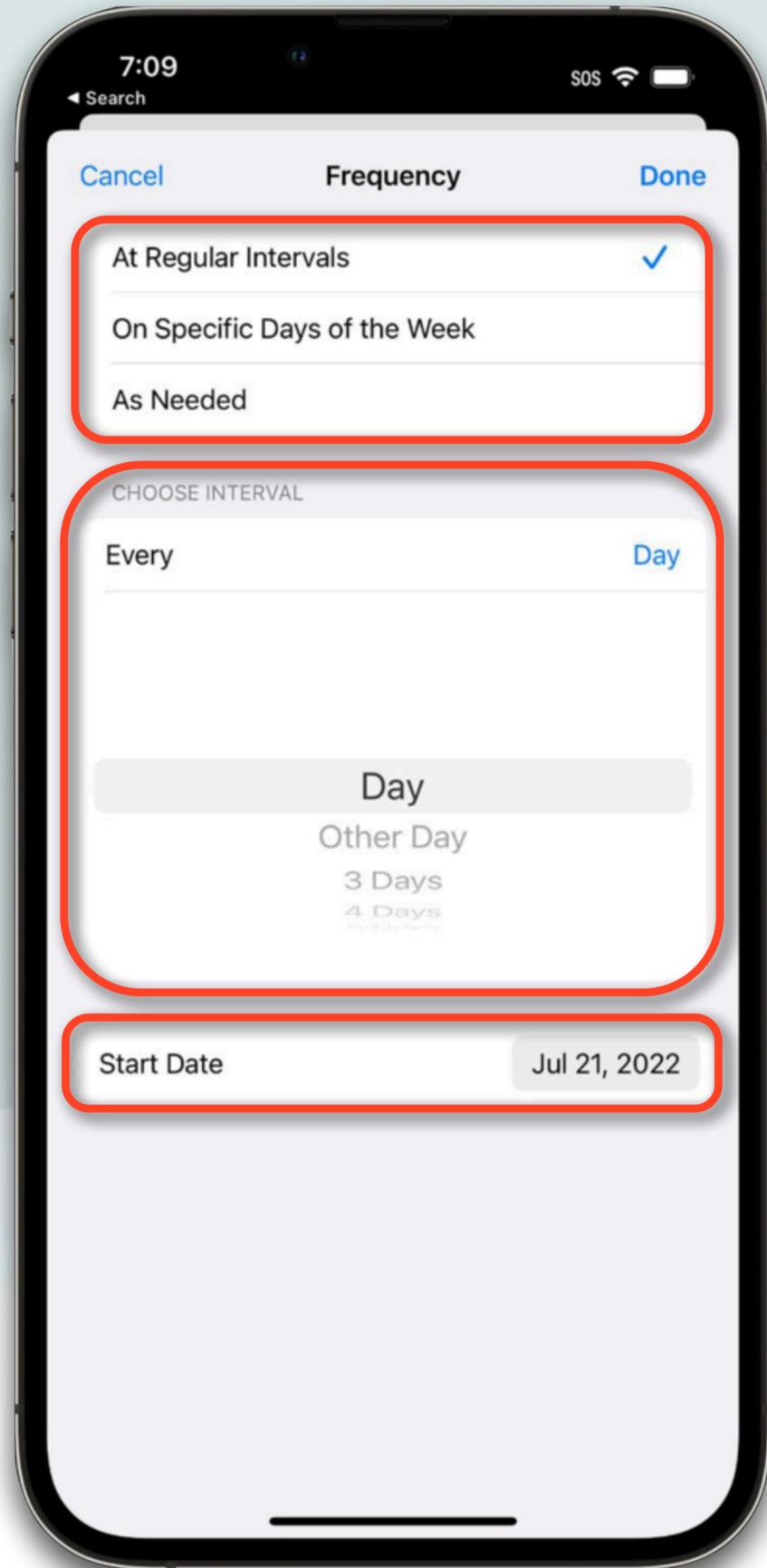
- The Health app has a new “Medications” section which is very useful
- You find it by going to the Browse section in the Health app and scrolling down to Medications (or you could type medications into the Health app search bar)
- You add a medication by tapping on the “Add Medication” button
- From there, you can either type in the name of a medicine, or use your iPhone's camera to scan the label of your pill bottle

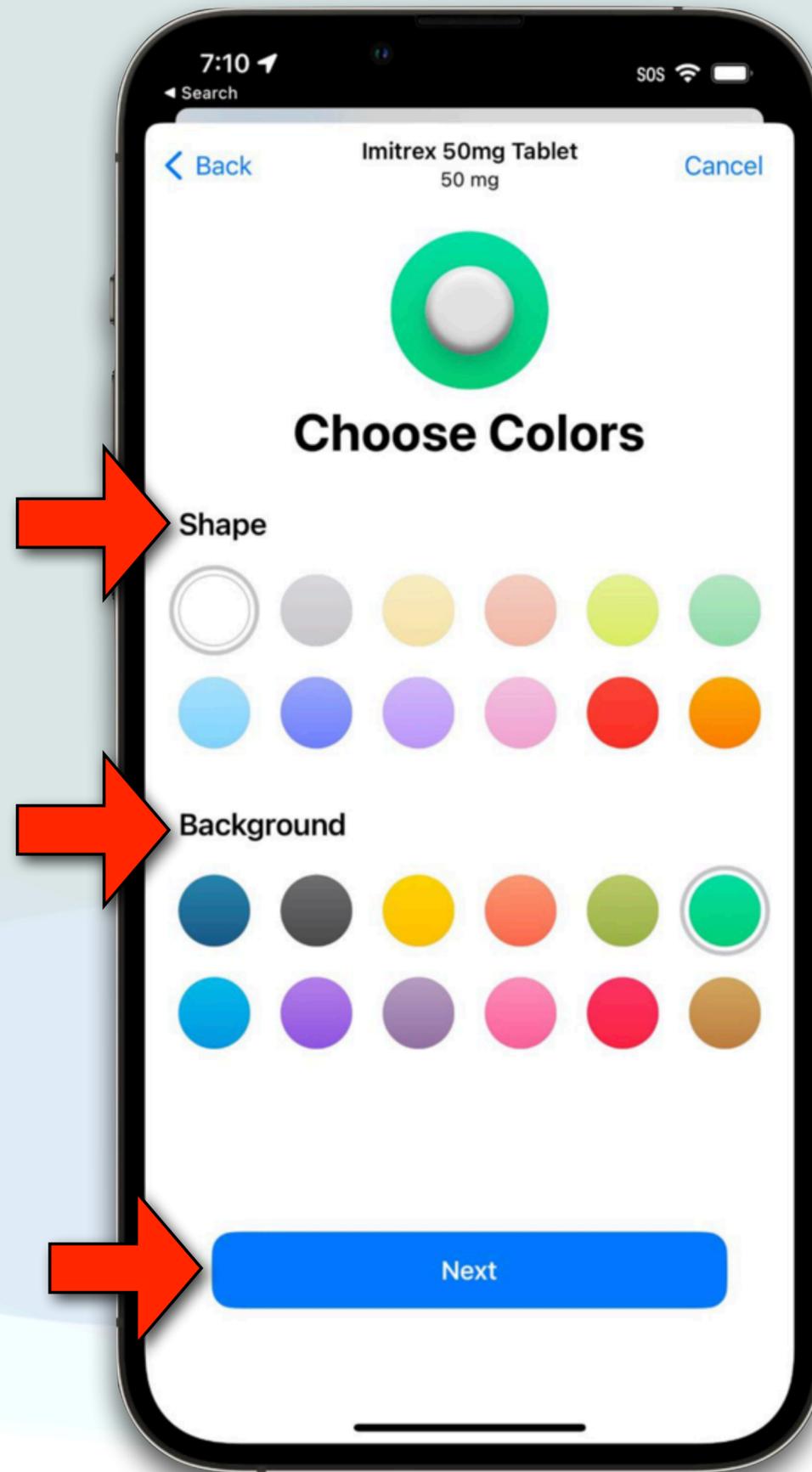
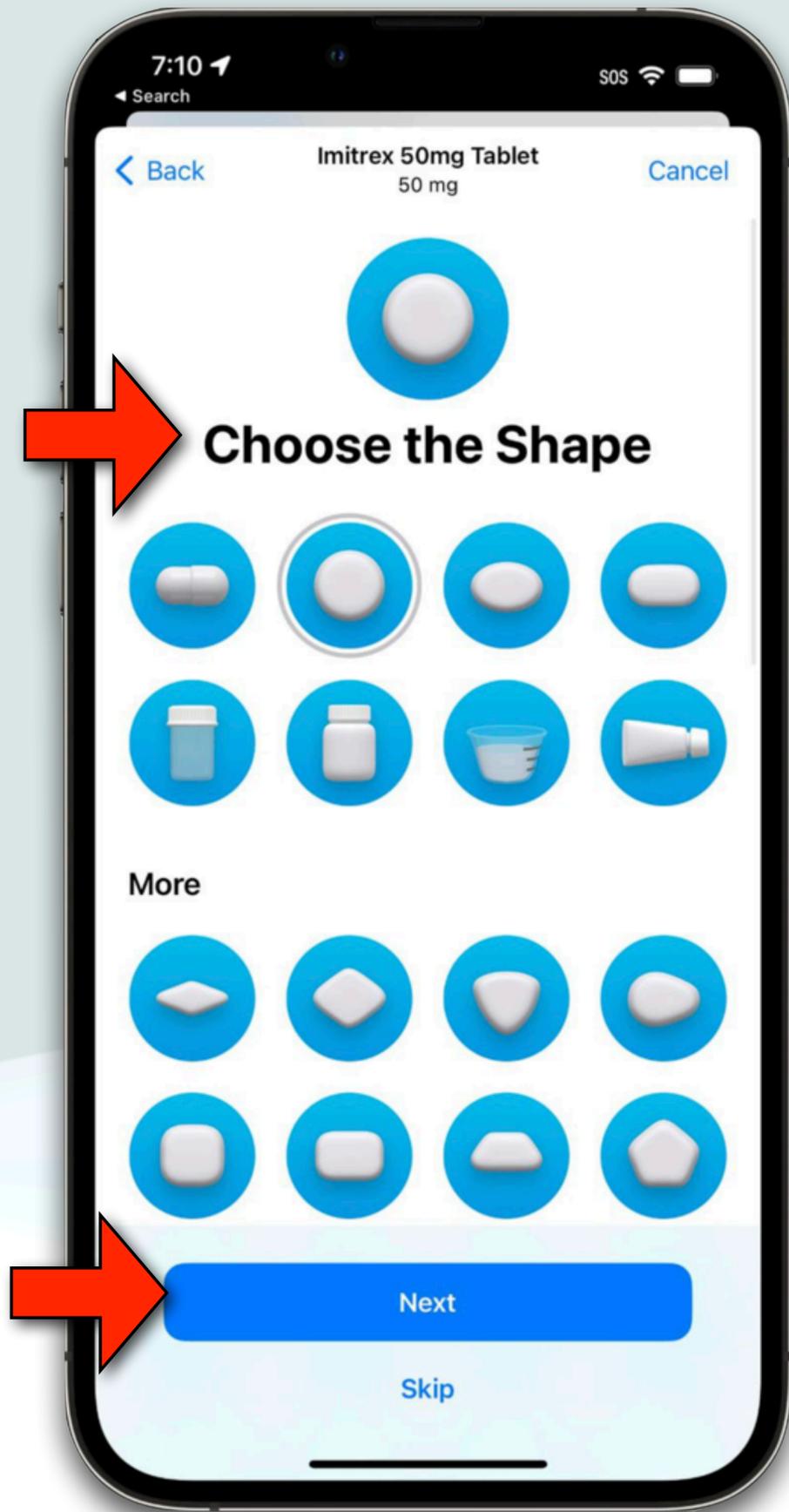


# Health



- You then select the correct dosage and choose the frequency and when you take the medication
- You can choose everyday, specific day(s) of the week, or even opt for “as needed”
- Then you set the time to take the medication
- Medications can be customized with a shape and a color to match the pill that you take in real life for easy recognition

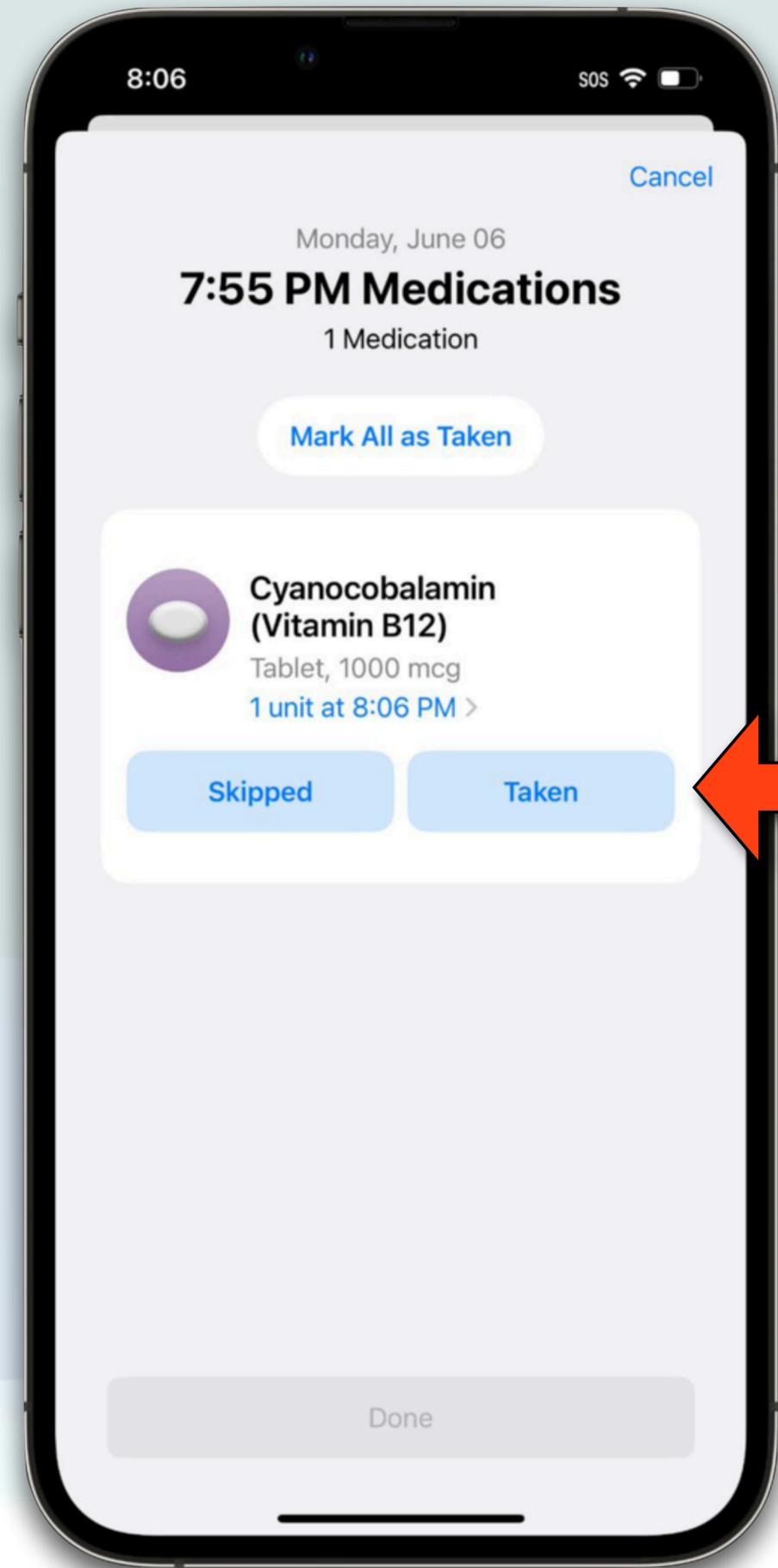
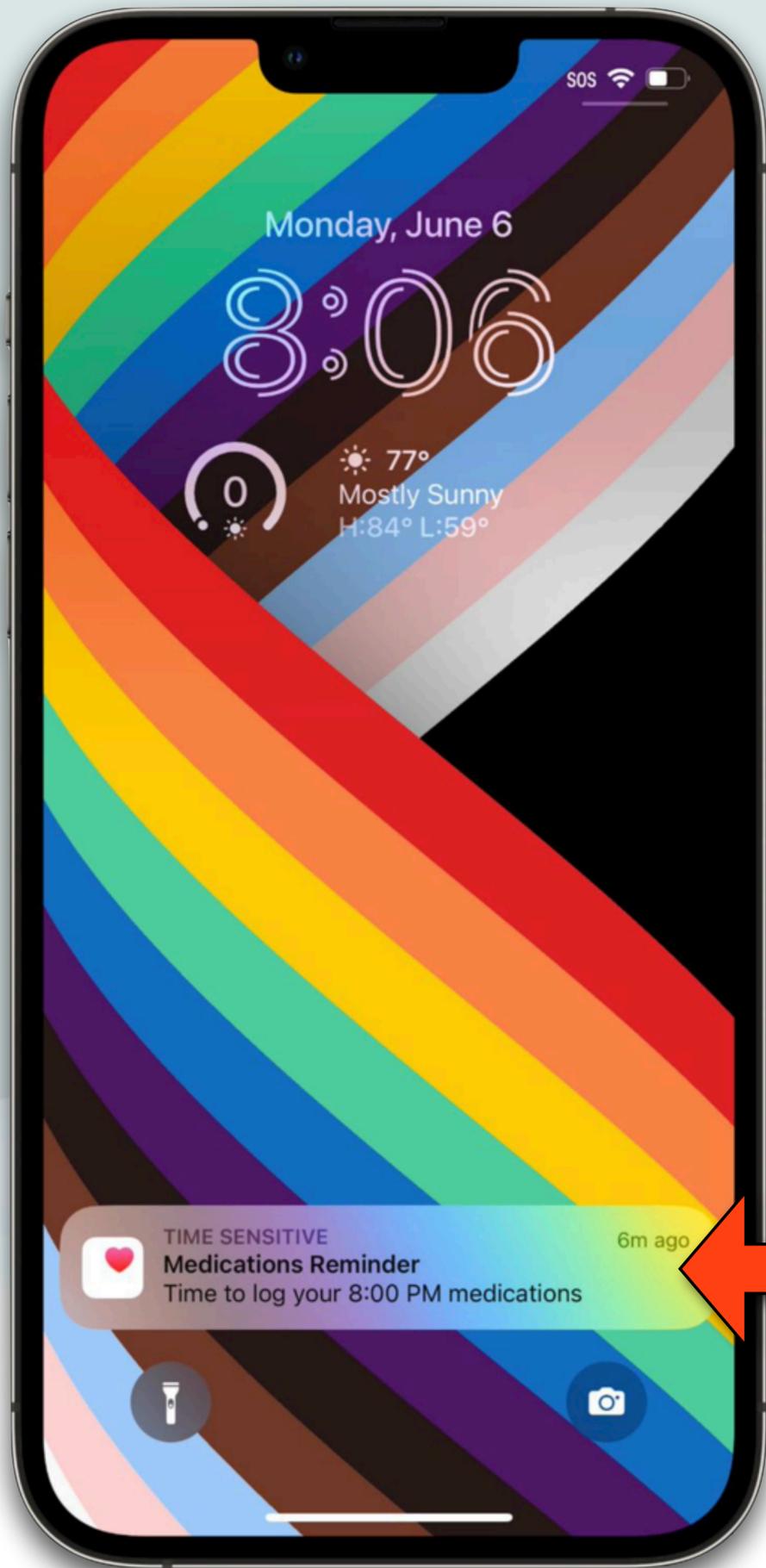




# Health



- Once you've added your medication to the Health app and set a time and day to take it, the iPhone will send you a notification when it's time to take it
- When you get the notification, you can mark the medication as taken or skipped
- The feature also works alongside a new Medications app on the Apple Watch to track and manage medications

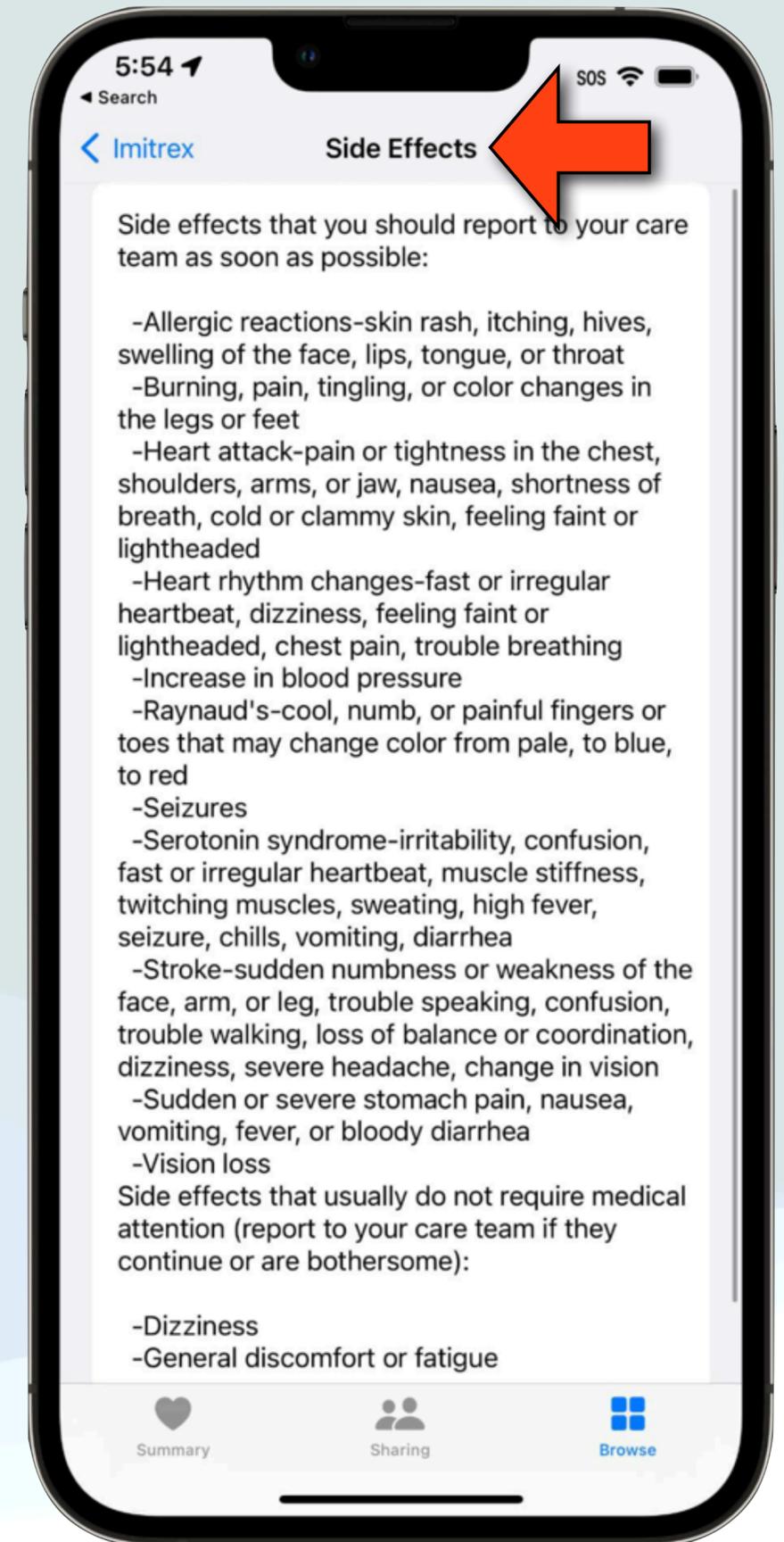
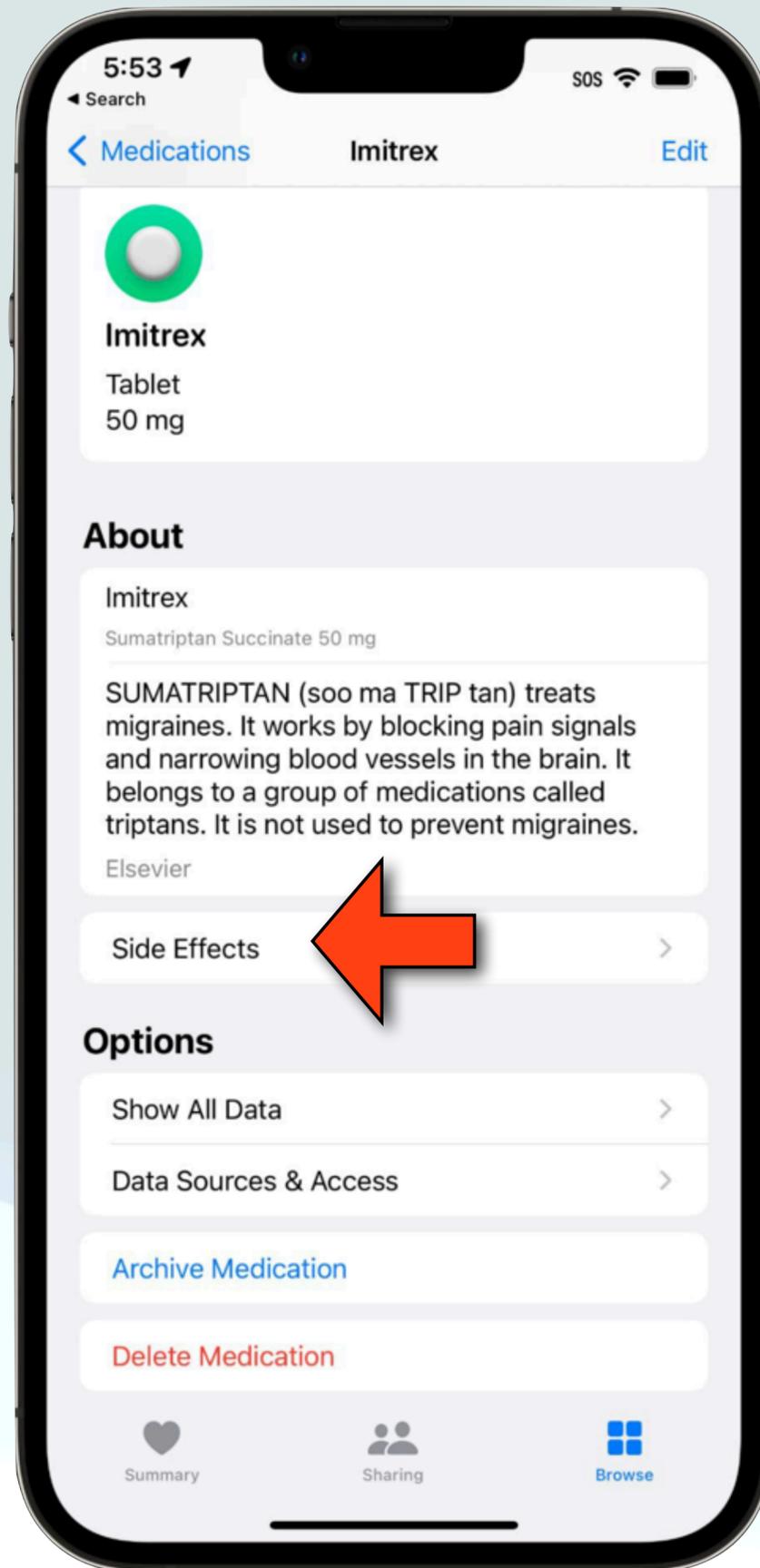
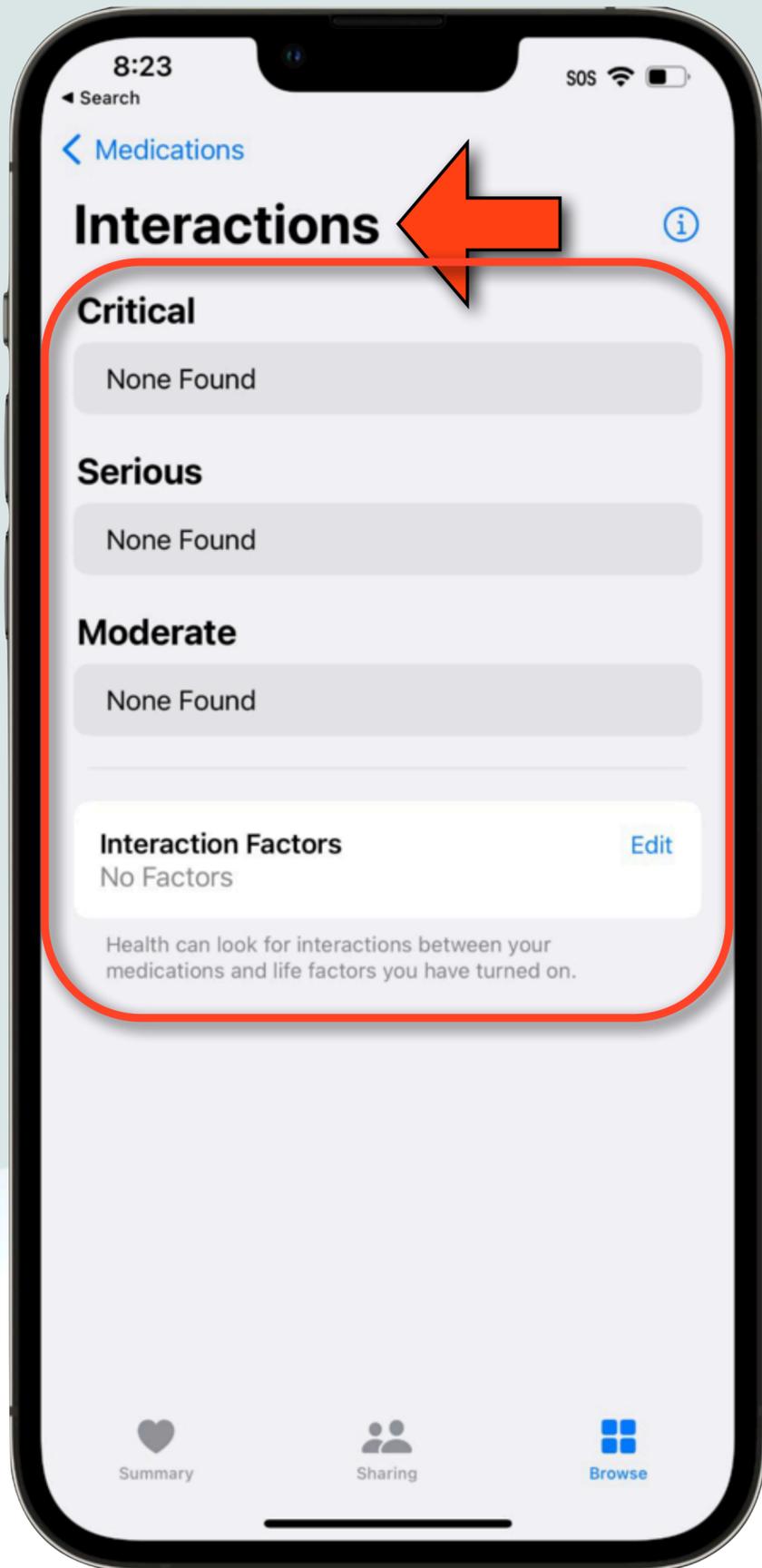


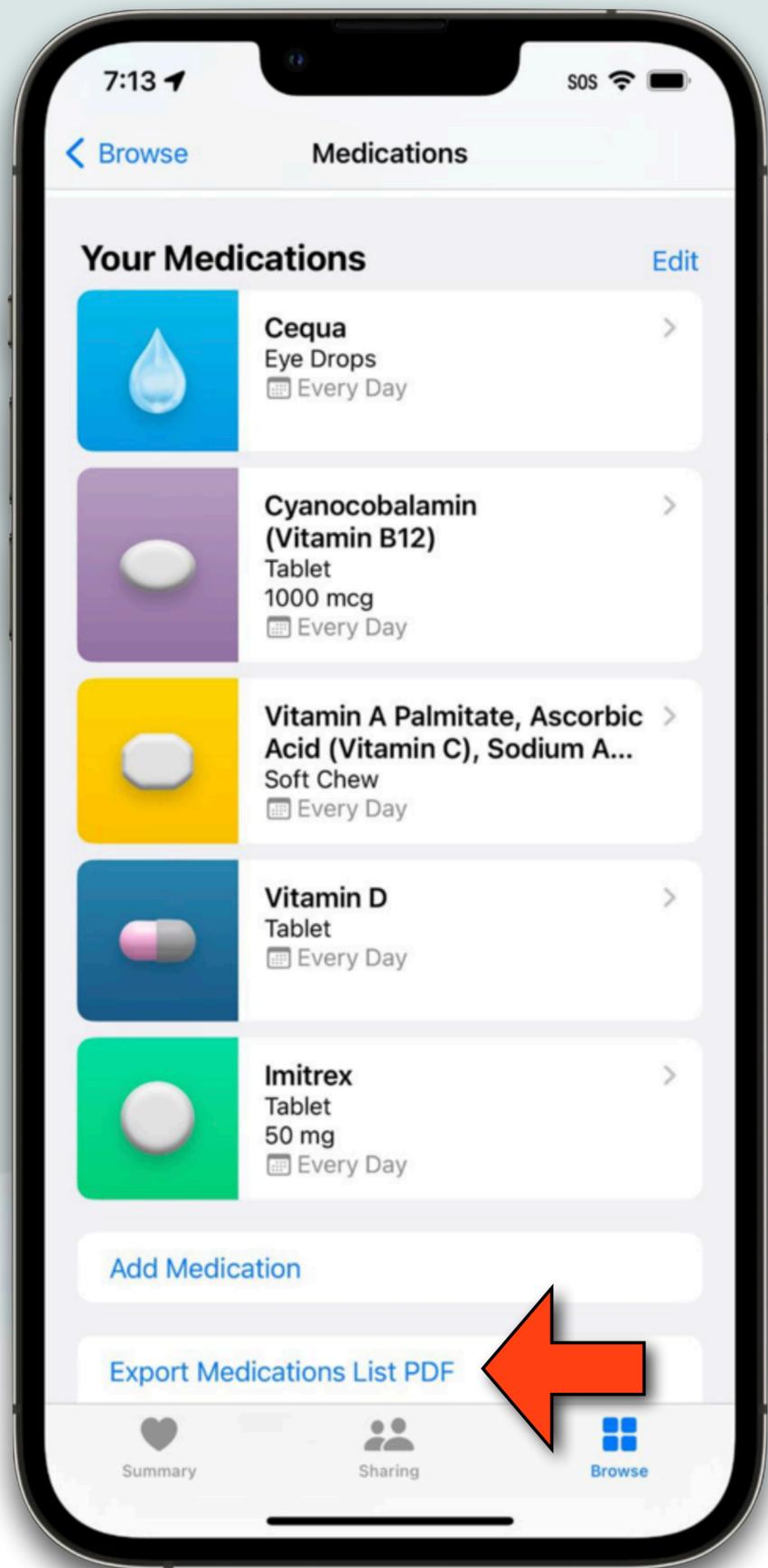


# Health

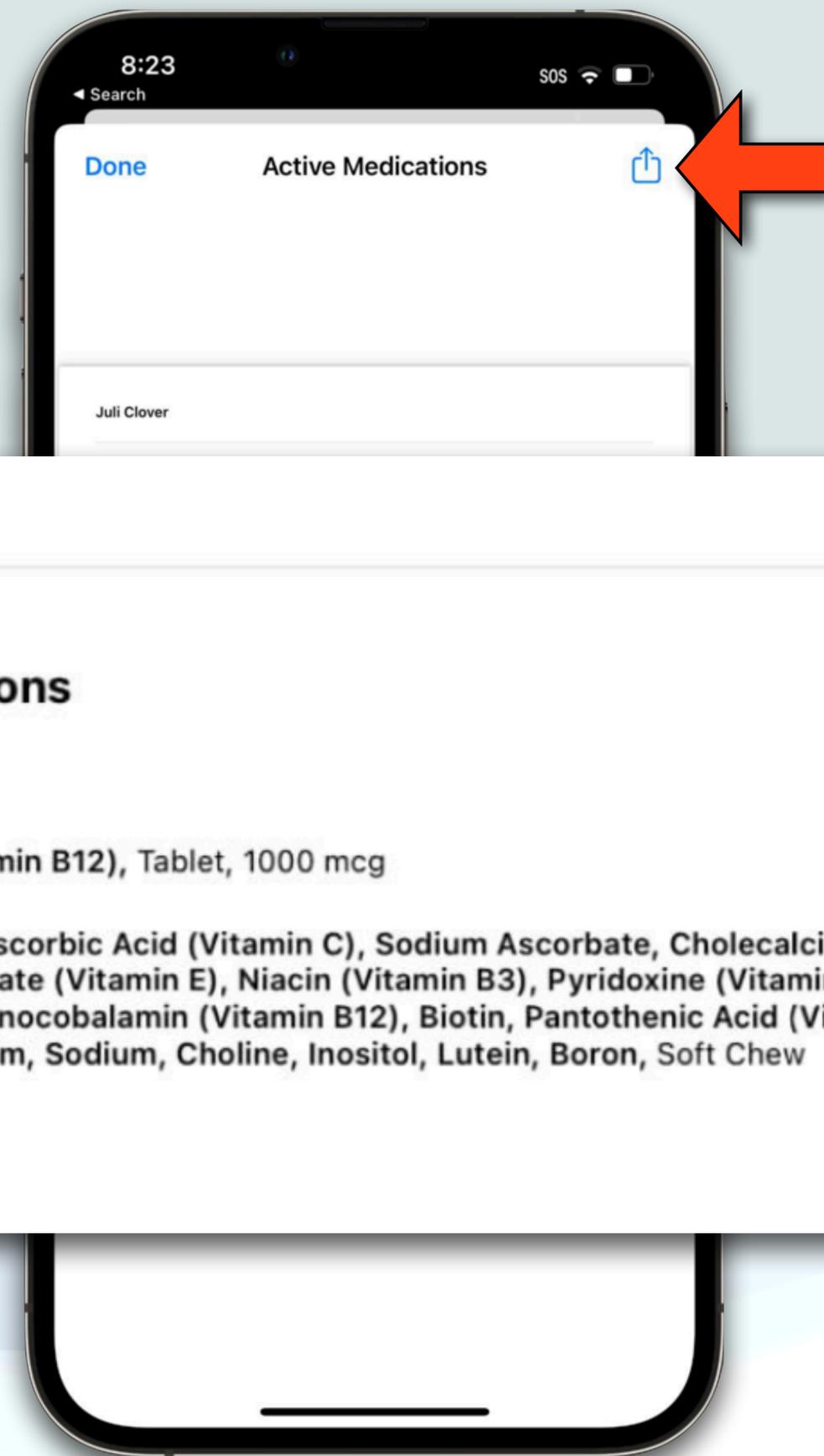


- The Health app checks to make sure that the medications that you are taking do not have interactions with one another
- If you tap any medication from your Health app list, you can then choose the "Side Effects" button to see the listed side effects for that medicine
- In the Medications section of the Health app, there's an option to "Export Medications List PDF," which creates a simple PDF of the medications that you take you share this list with other medical professionals





Medications List



Medications PDF

# Mail - Undo Send

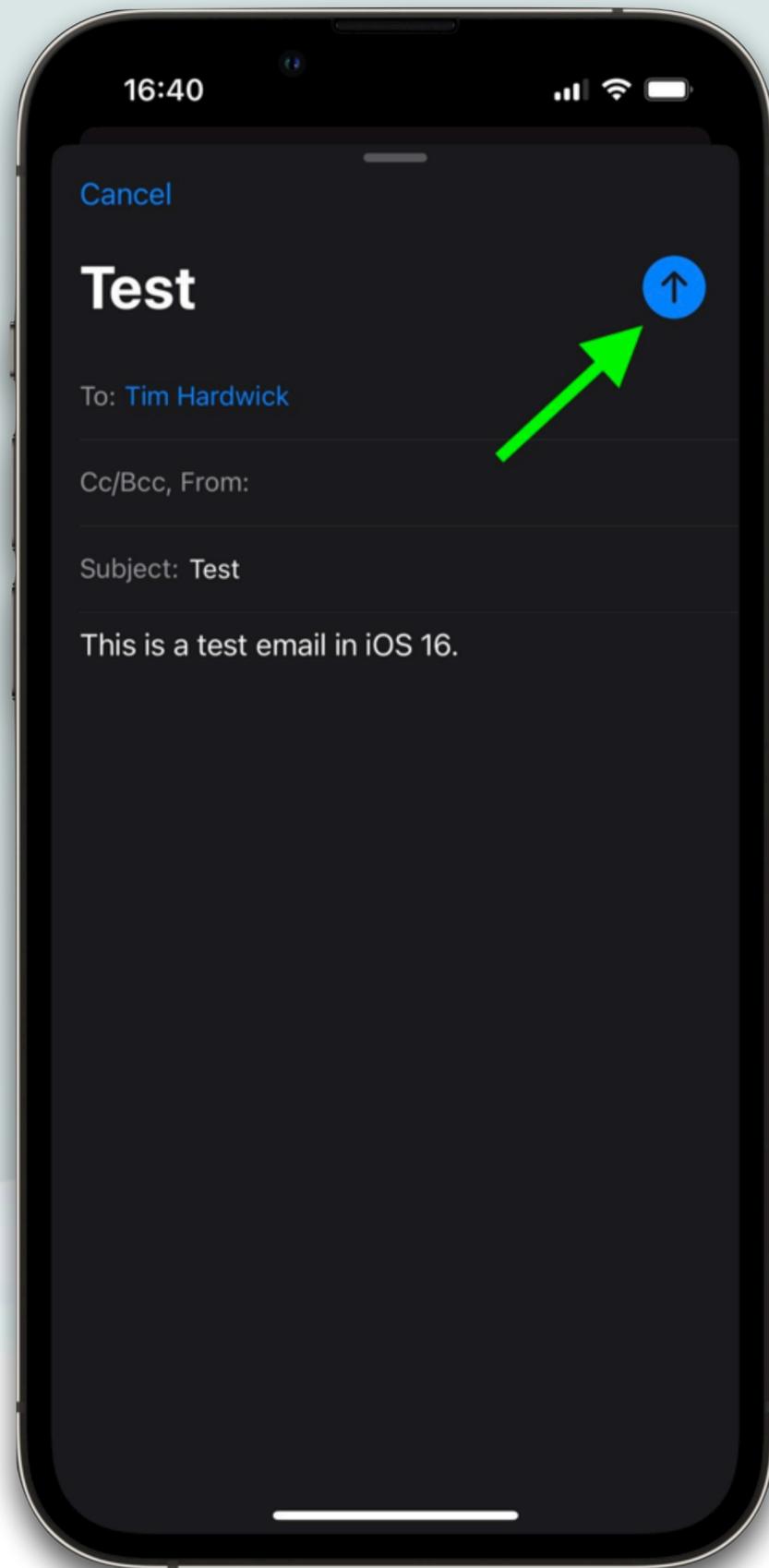


- In iOS 16, you now have a number of new mail features
- Have you ever sent an email in haste, only to immediately regret it or realize you've had a typo?
- To address this, there's a new "Undo Send" feature
- Now after you send an email, Mail will give you a 10-second period in which you can unsend the email

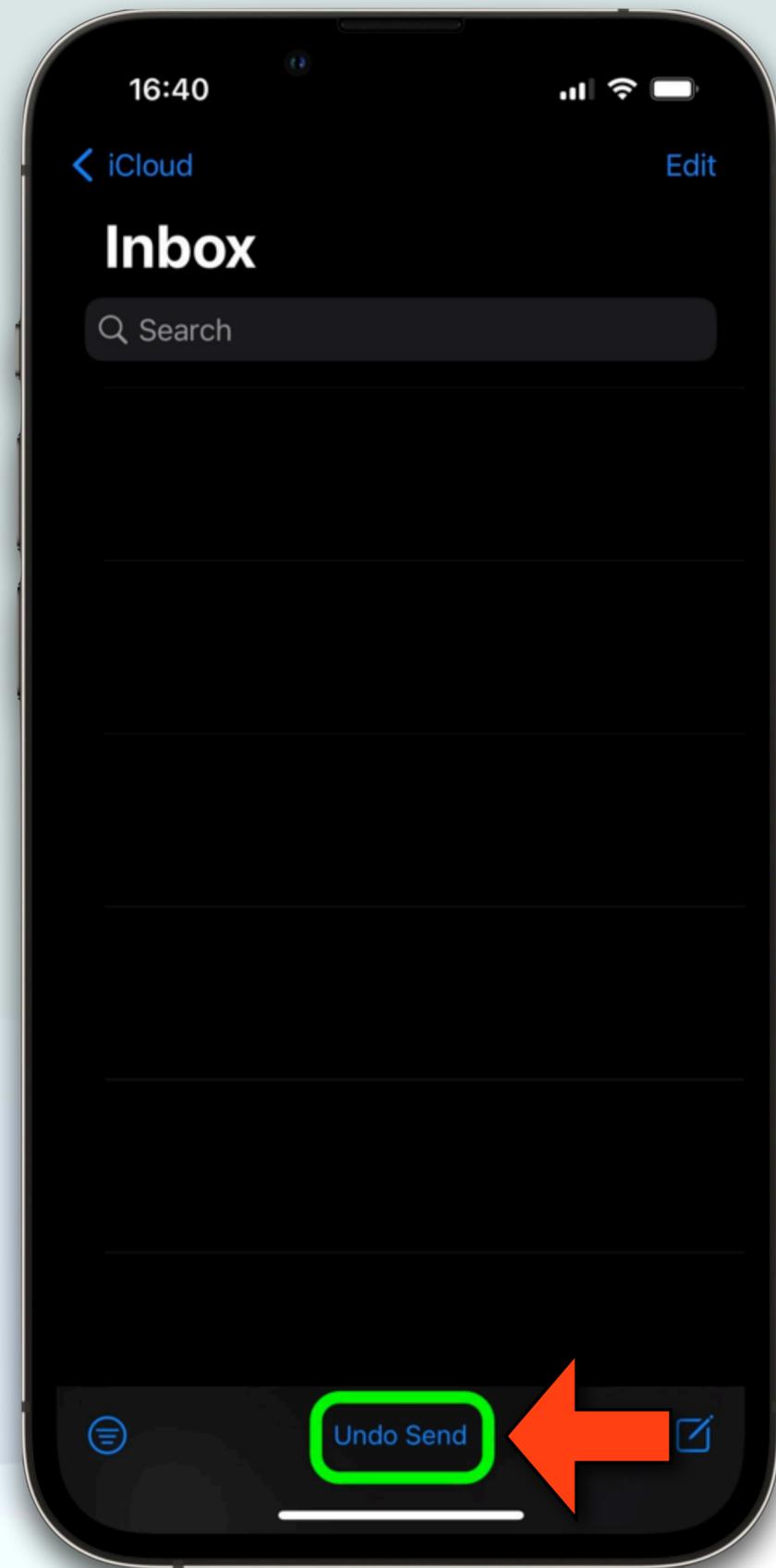
# Mail - Undo Send



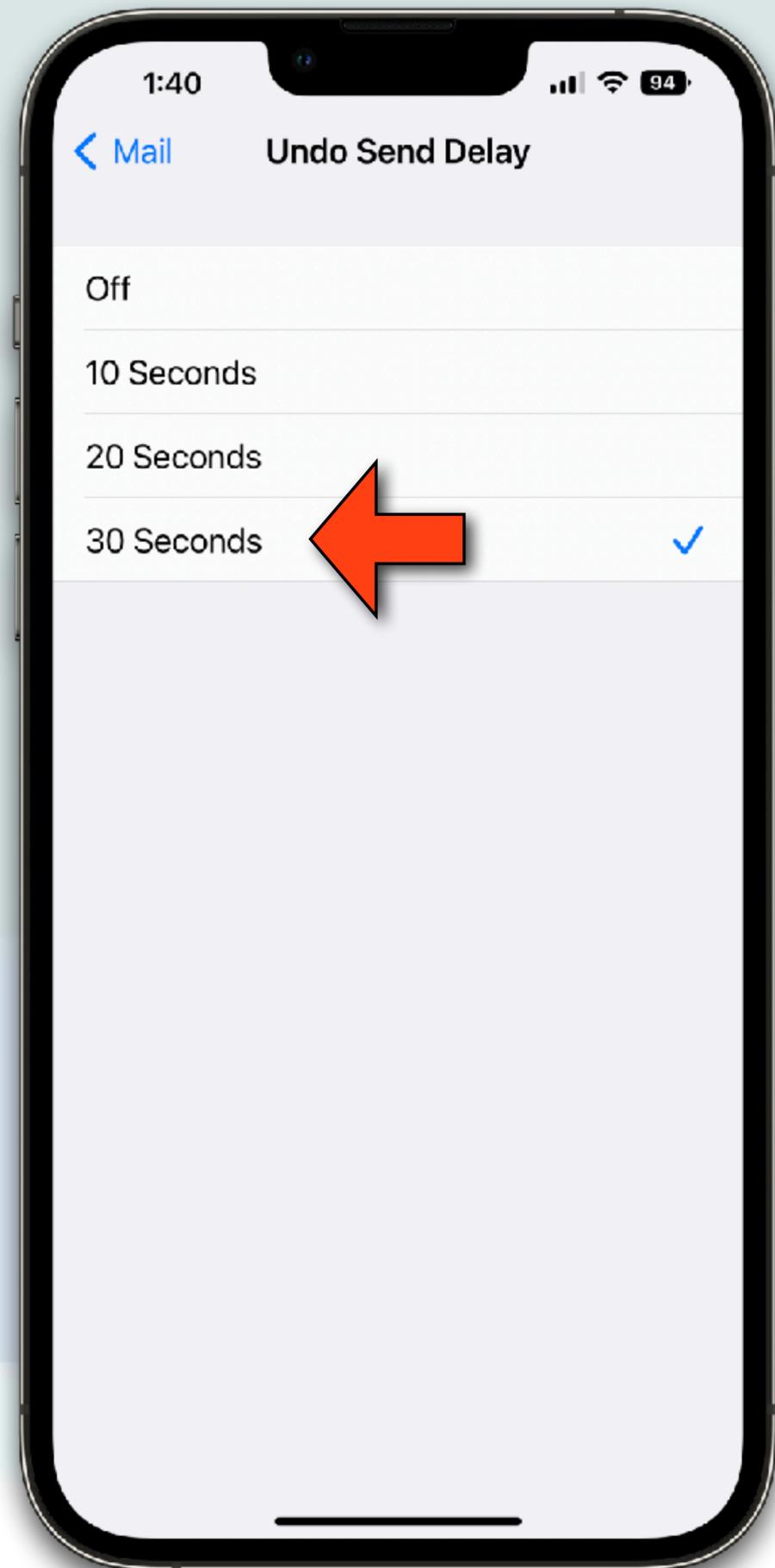
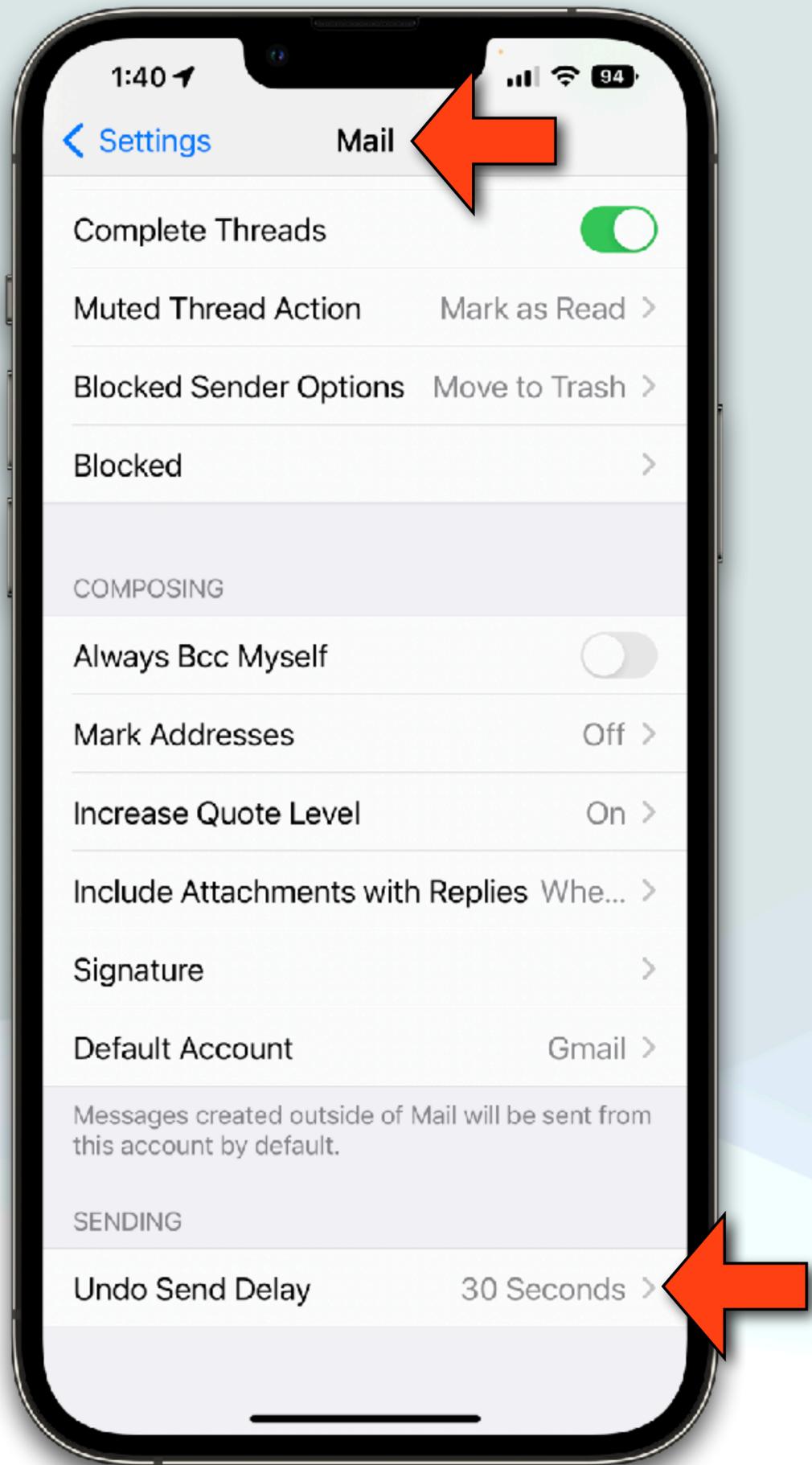
- To un-send mail:
  - Immediately after you've sent an email, tap the Undo Send option displayed at the bottom of your inbox (If you don't see the option, your 10-second time window for un-sending the email may have elapsed)
  - You will be taken back to the email compose interface, where you can correct any errors in the original email
  - Tap the blue arrow when you're done to send the email or hit cancel to delete the email



New Mail Message



Undo Send



# Mail - Remind Me

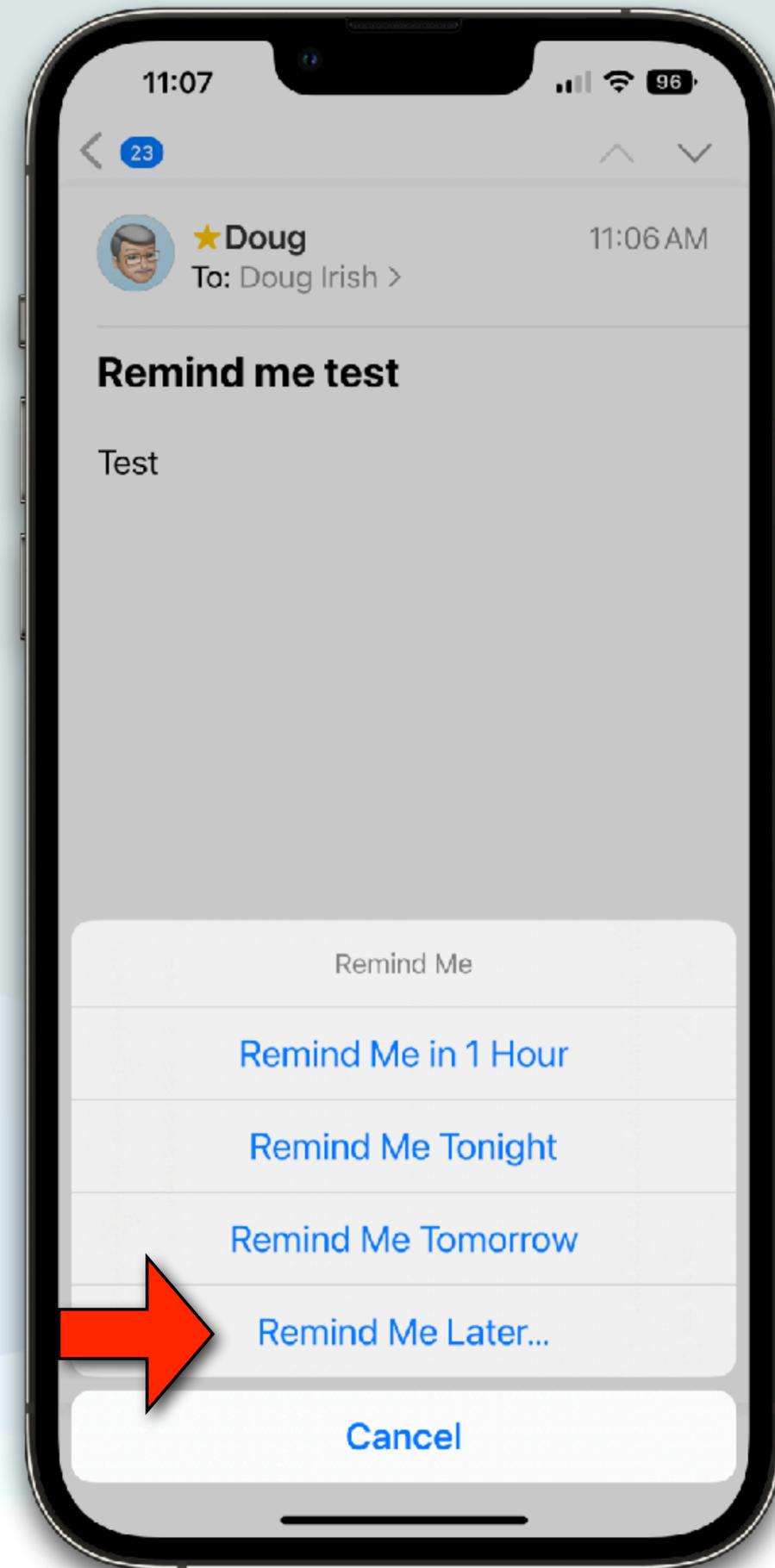
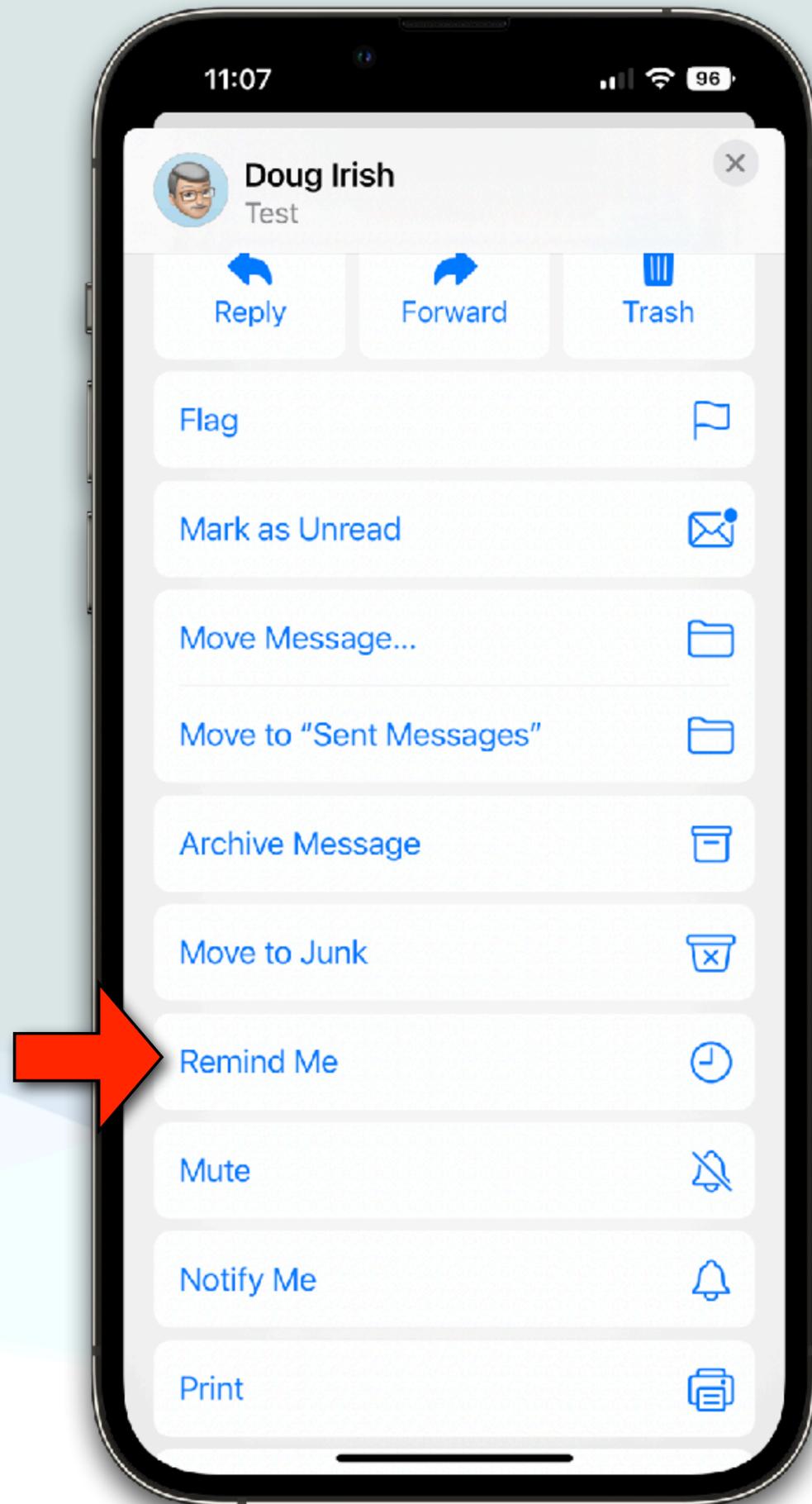
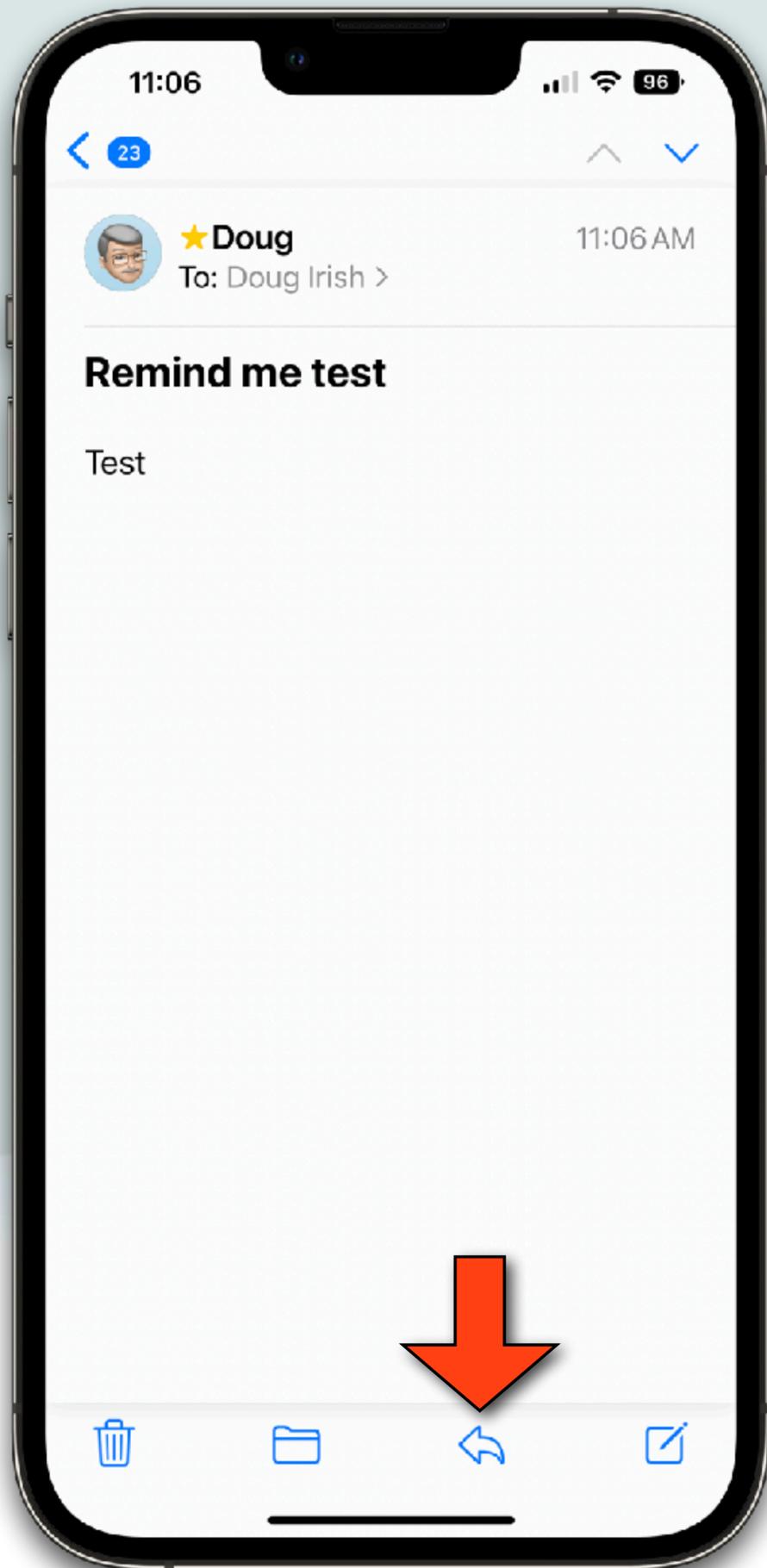


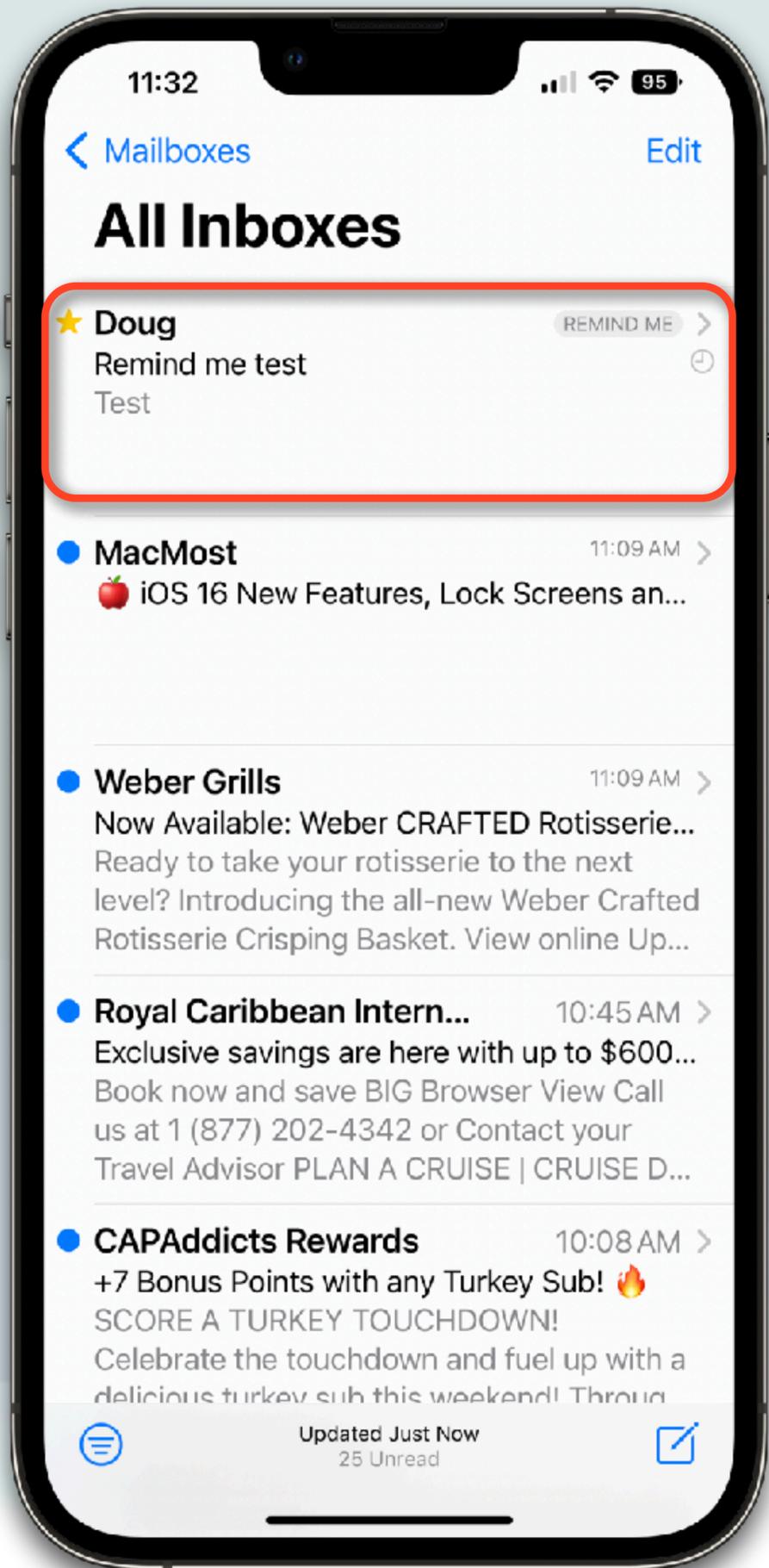
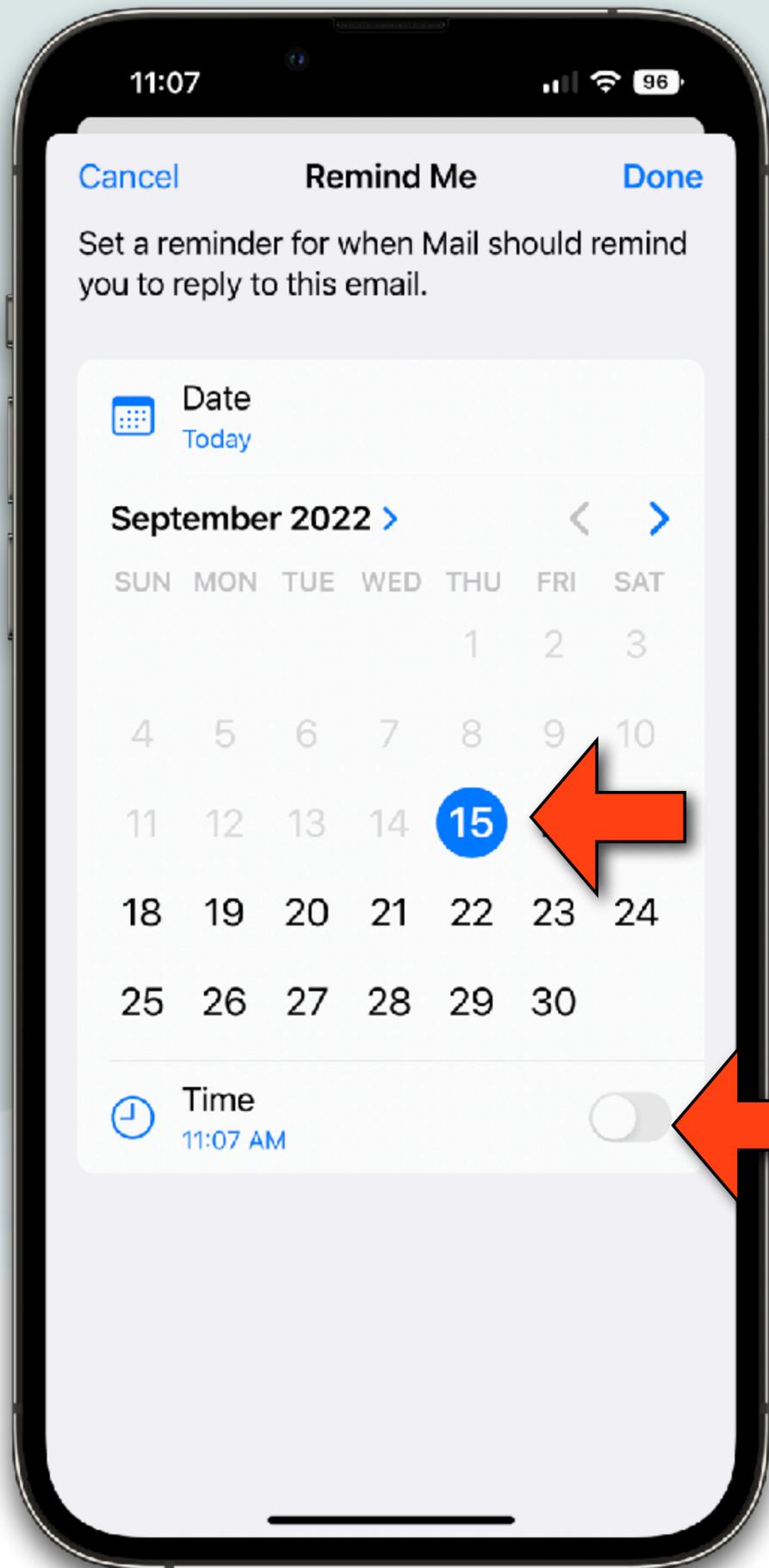
- Apple Mail has another new feature called "Remind Me"
- If you open an email and don't have time to respond to it immediately, you can get the Mail app to remind you later
- Using Remind Me, you can select a date and time for Mail to resurface the message in your inbox, so you don't forget about it
- When the reminder time comes around, the Mail app will move the email to the top of your inbox with a "Remind Me" label so that you can respond

# Mail - Remind



- Here's how to set up a mail reminder
  - In the inbox of the Mail app, tap the email that you'd like to be reminded about later
  - Tap the Reply button in the opened email
  - Scroll down the options and select Remind Me
  - Choose from the pre-set options (Remind Me in 1 Hour, Remind Me Tonight, Remind Me Tomorrow) or tap Remind Me Later... to set a custom date and time

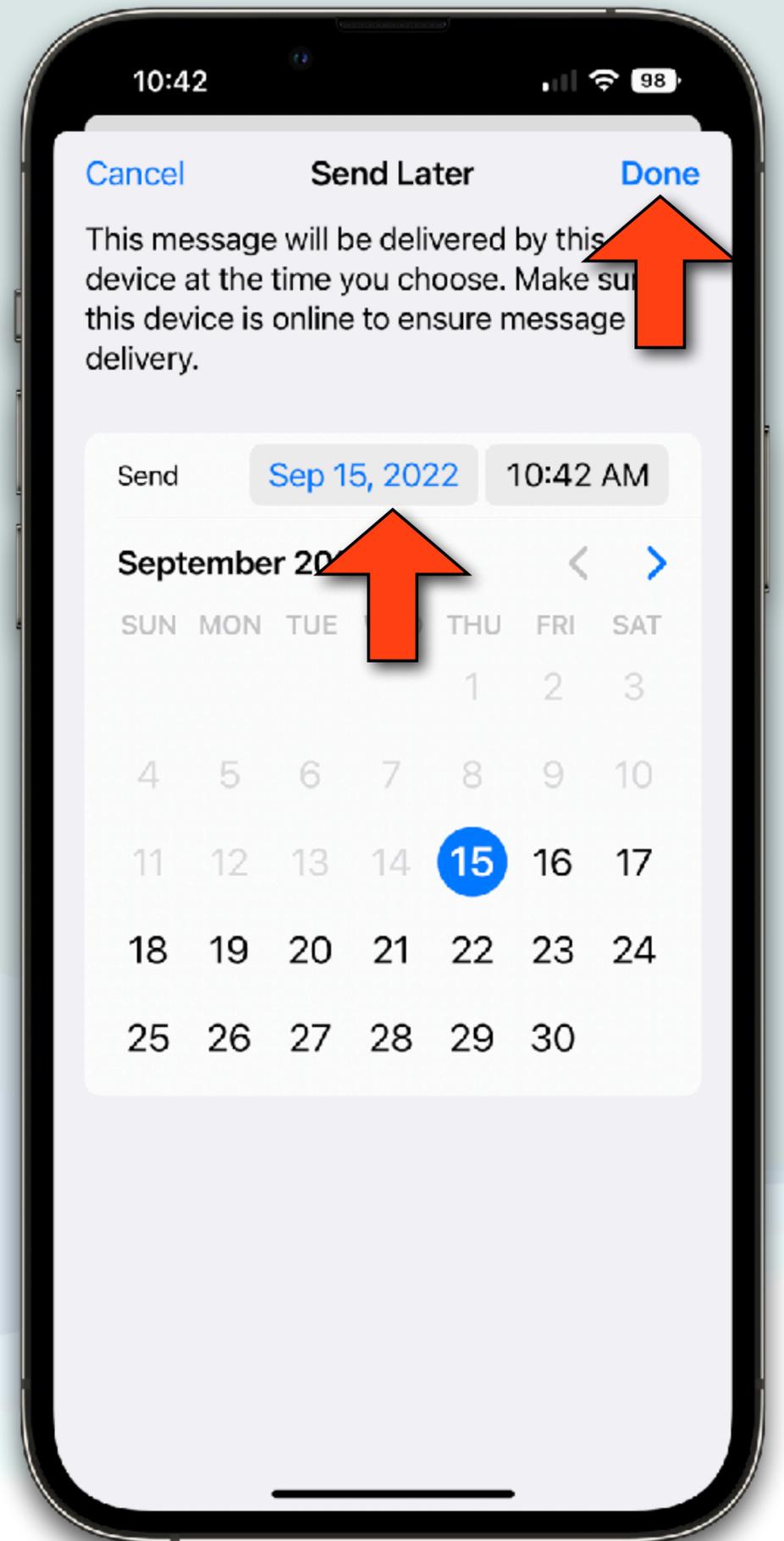
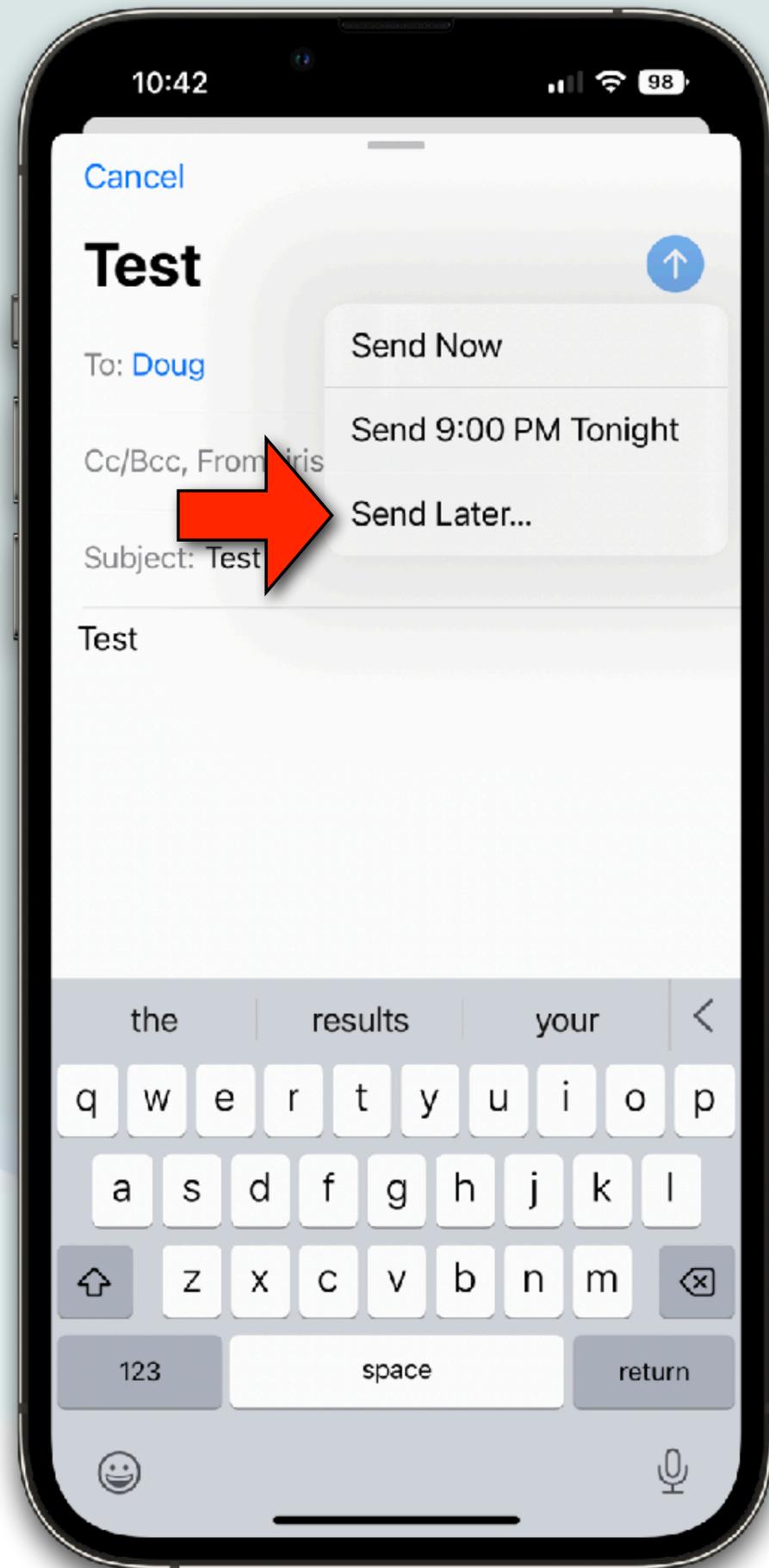
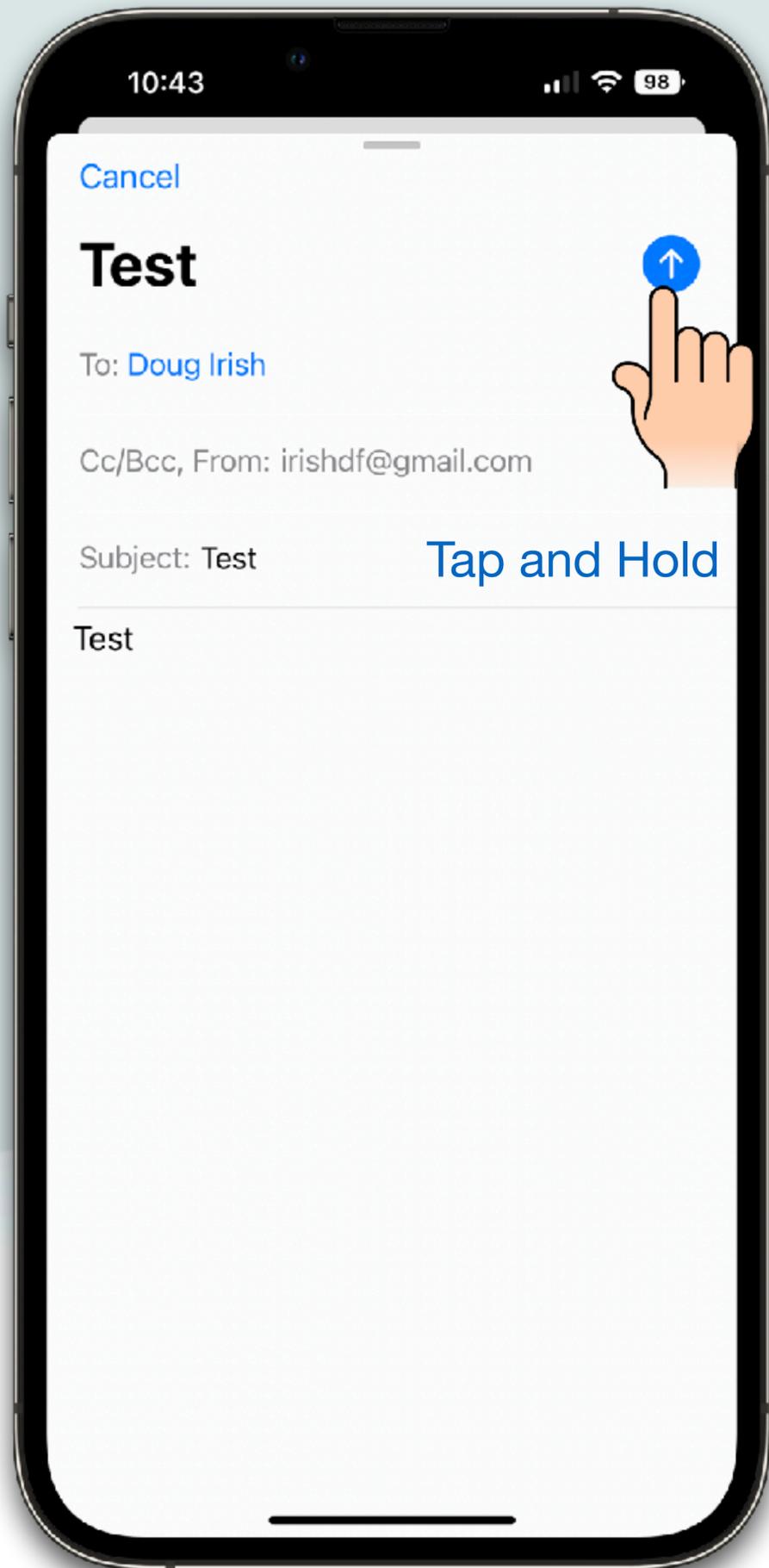




# Mail - Send Later



- Here's how you schedule an email for sending later:
  - Compose your email as usual and when ready to send long press the send icon (the blue arrow)
  - Either select one of the preset options (Send Now, Send 9:00 PM Tonight, Send 8:00 AM Tomorrow), or tap “Send Later” to enter a custom schedule.
  - If you selected “Send Later”, use the calendar and time options to schedule when the email should be sent



# Messages

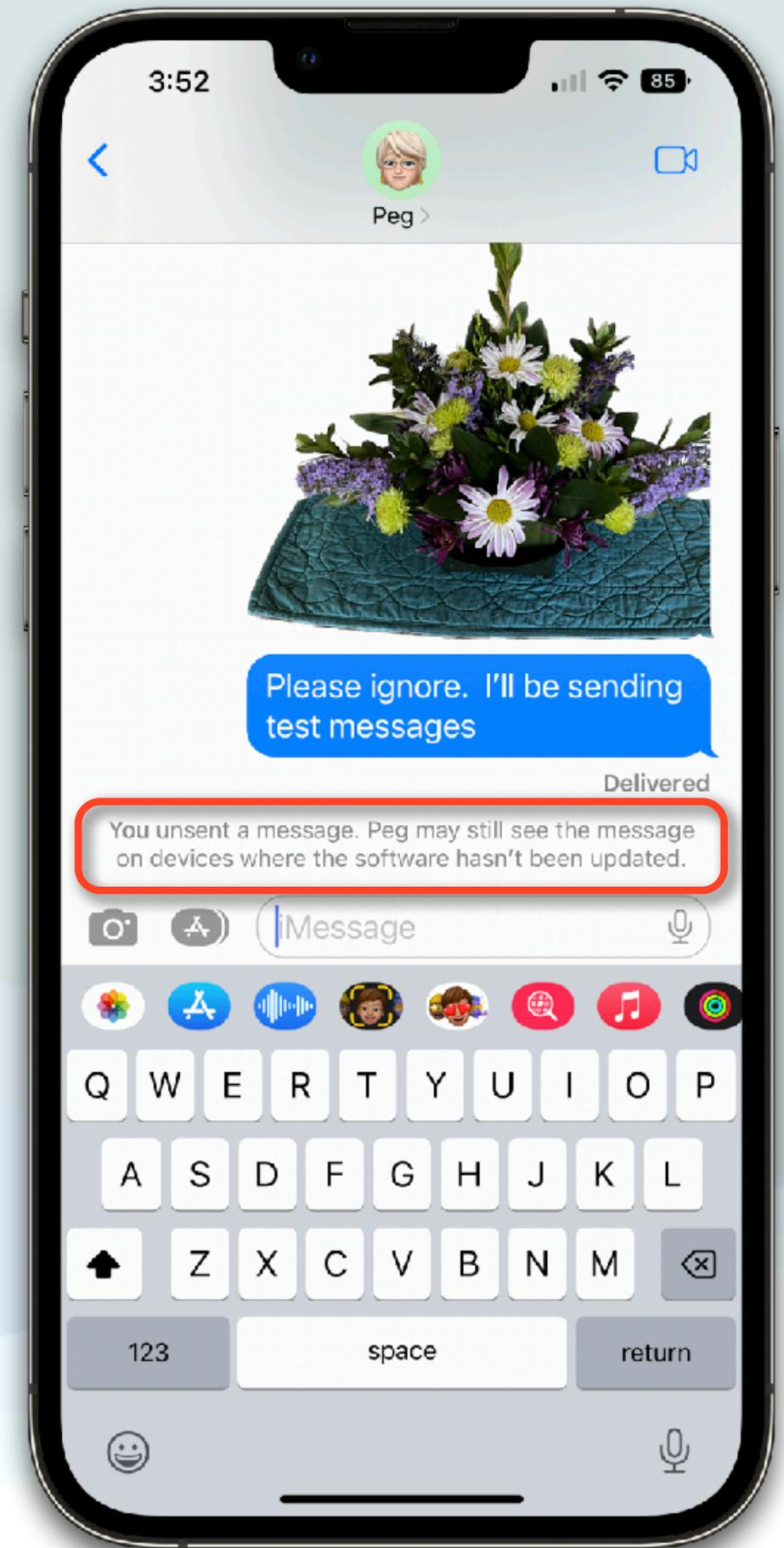
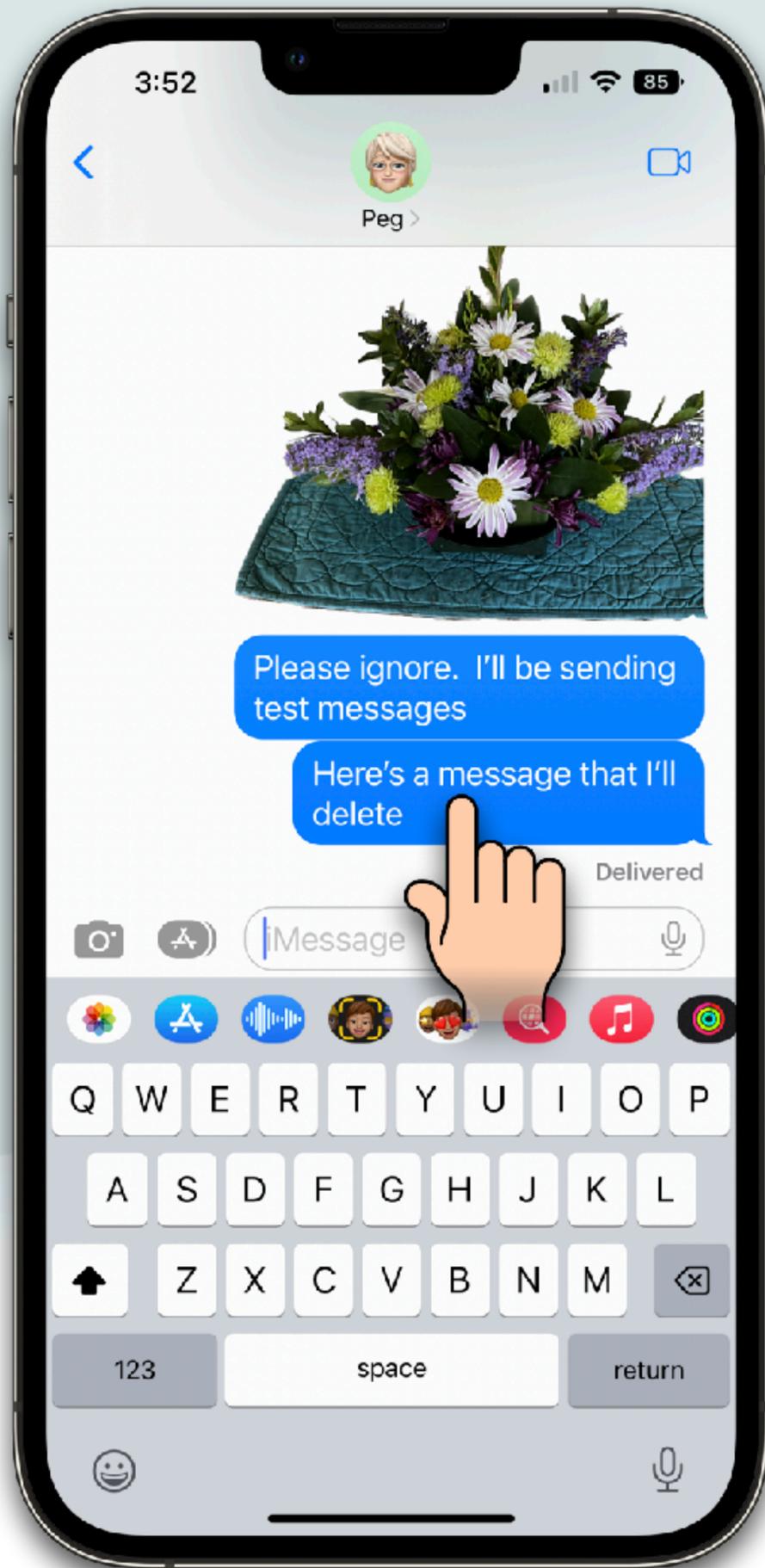


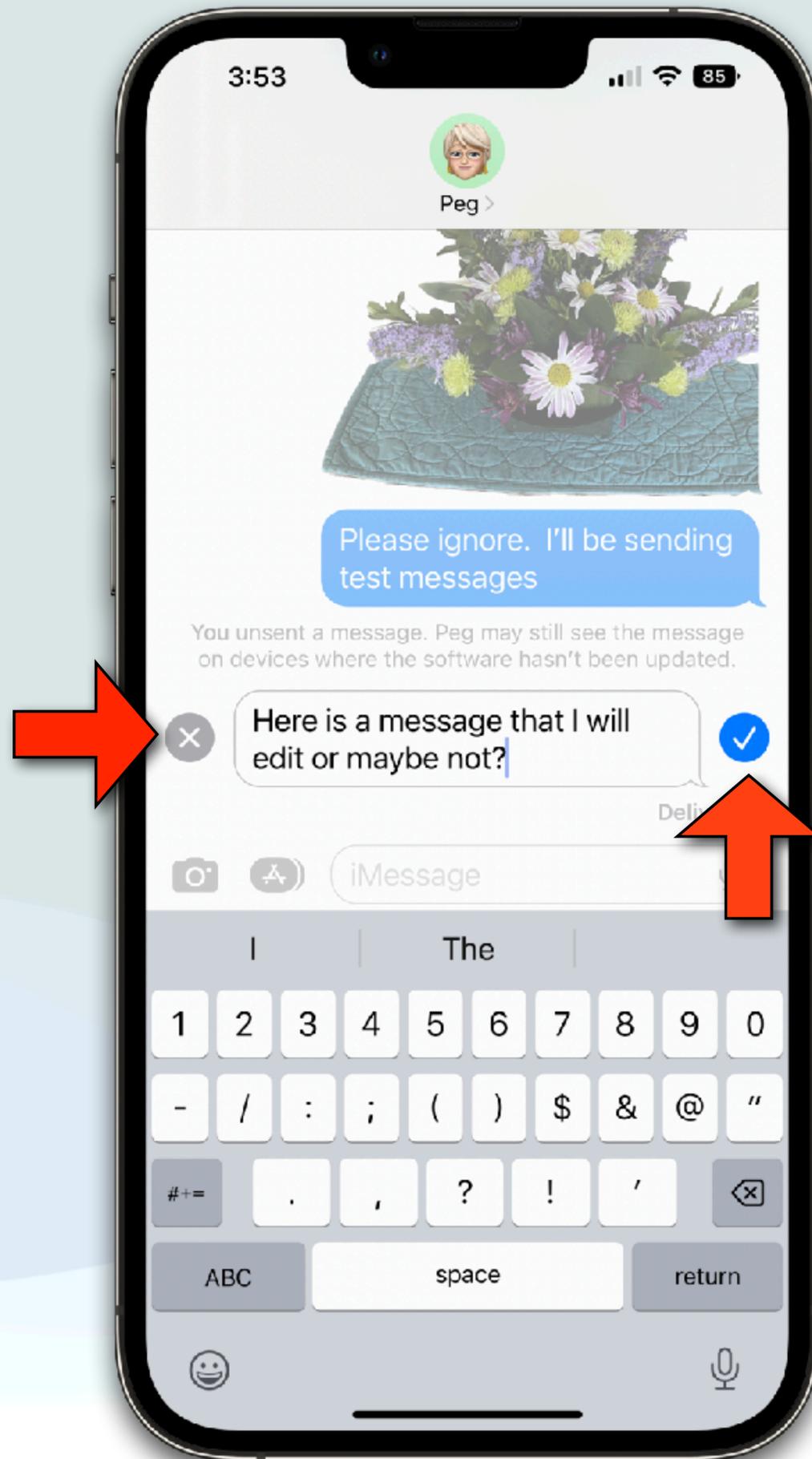
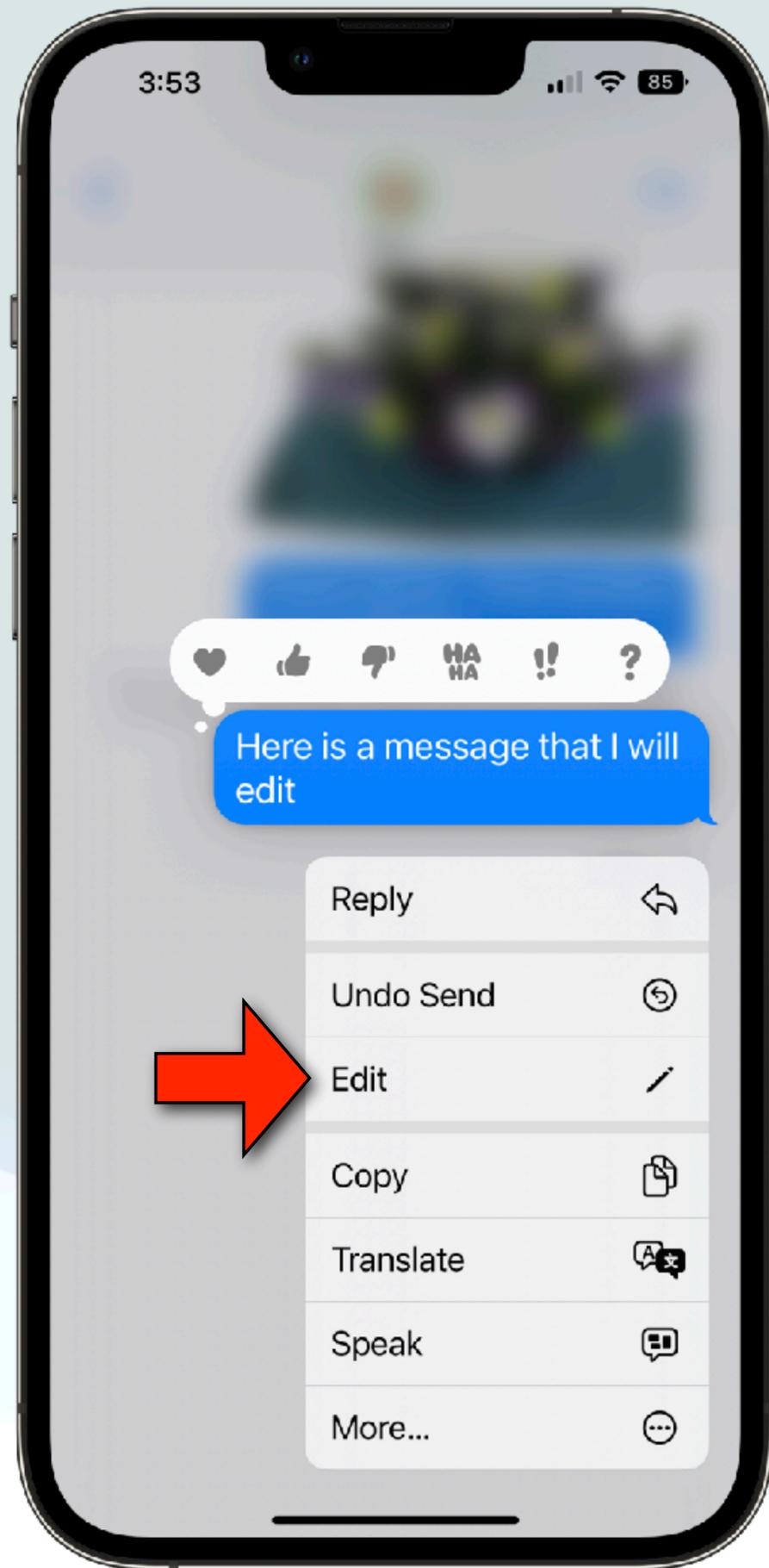
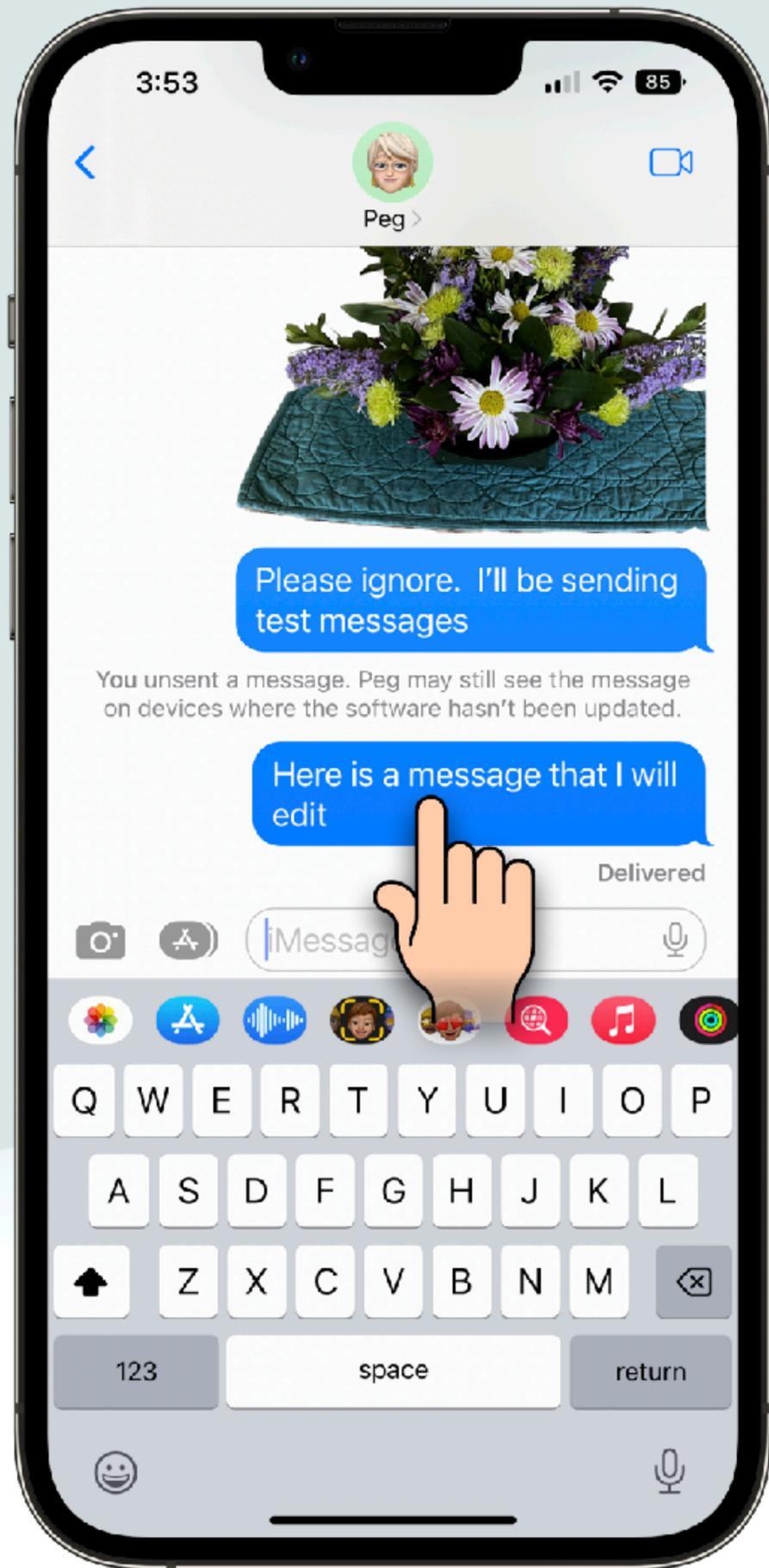
- The Messages app now lets you edit sent messages (typos) or even un-send them (wrong recipient)
- On the recipient's end, the other person will know that you deleted a message (If they are on older versions of iOS, they may still see the deleted text)
- You can edit a message within 15 minutes of sending it, and you can perform up to five edits to a given message
- The recipient will be able to see that you edited a message alongside a full record of all edits made to the message

# Messages

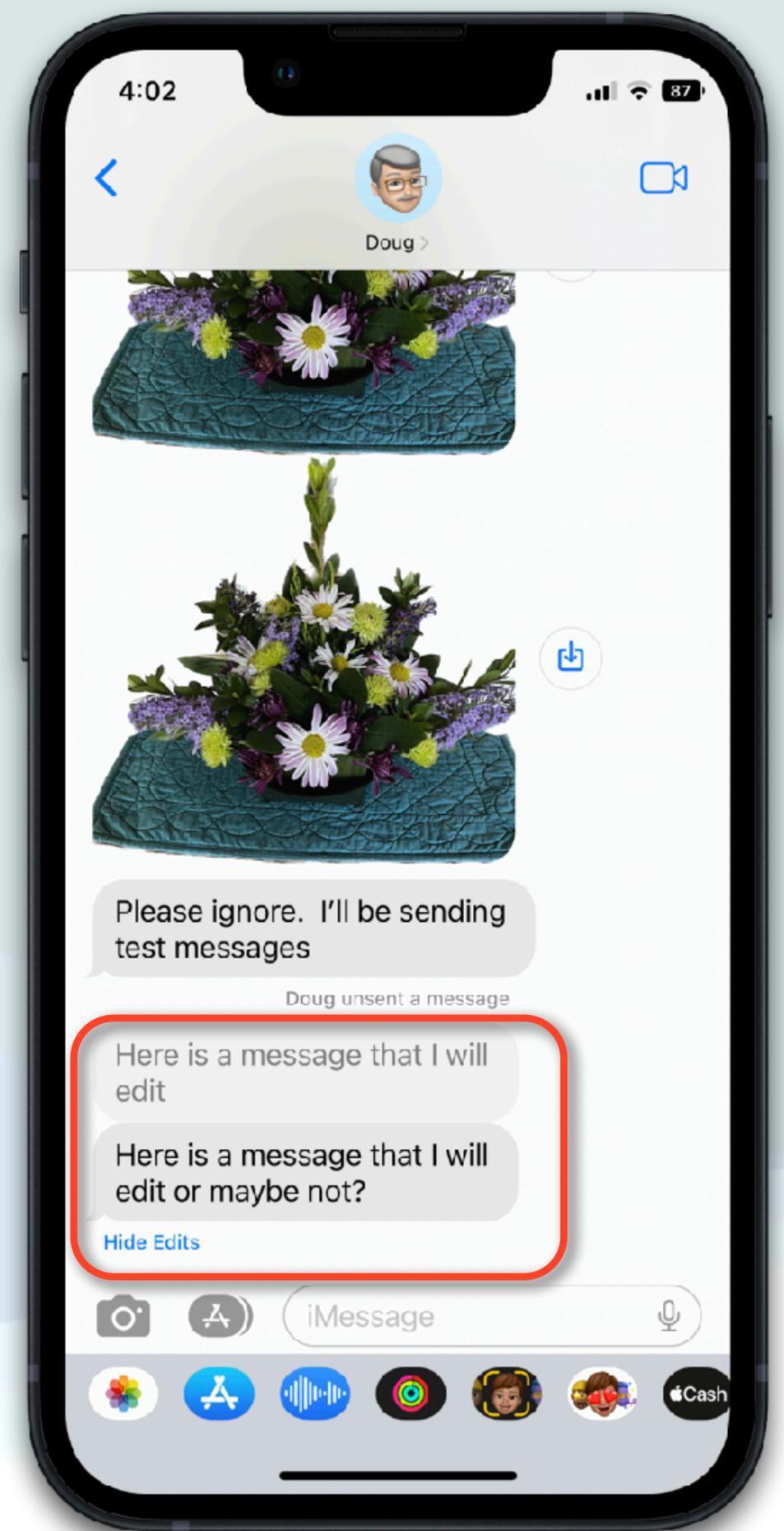
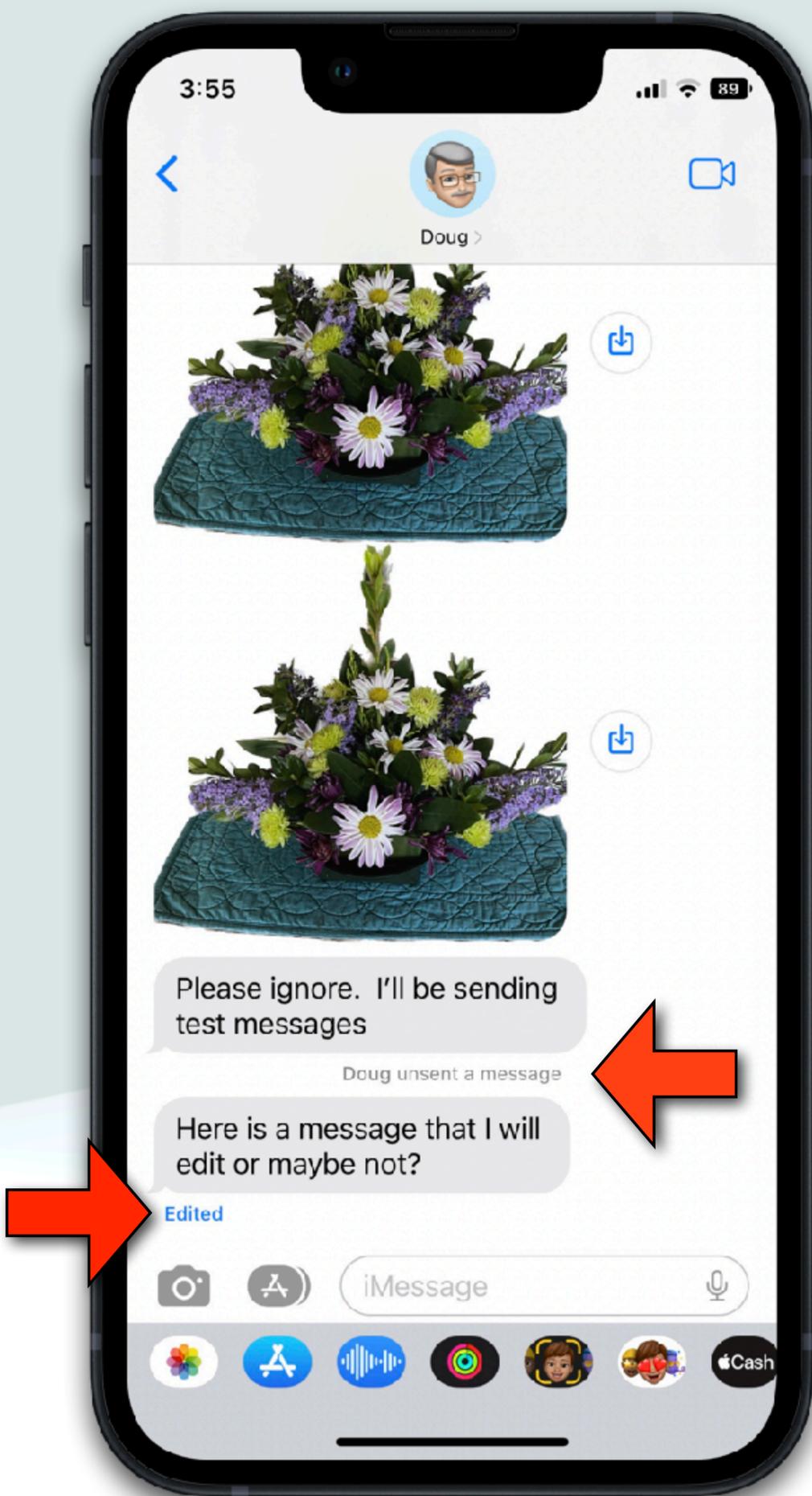


- To “undo send” or to “edit” a message:
  - Long press on the message
  - Select either undo send or edit
  - If editing, you’ll be placed inside the message and allowed to edit it
  - When done editing, hit the blue check mark to send
- Note: This will not work unless both parties have iPhones and are on iOS 16





# Recipient's View



# Messages

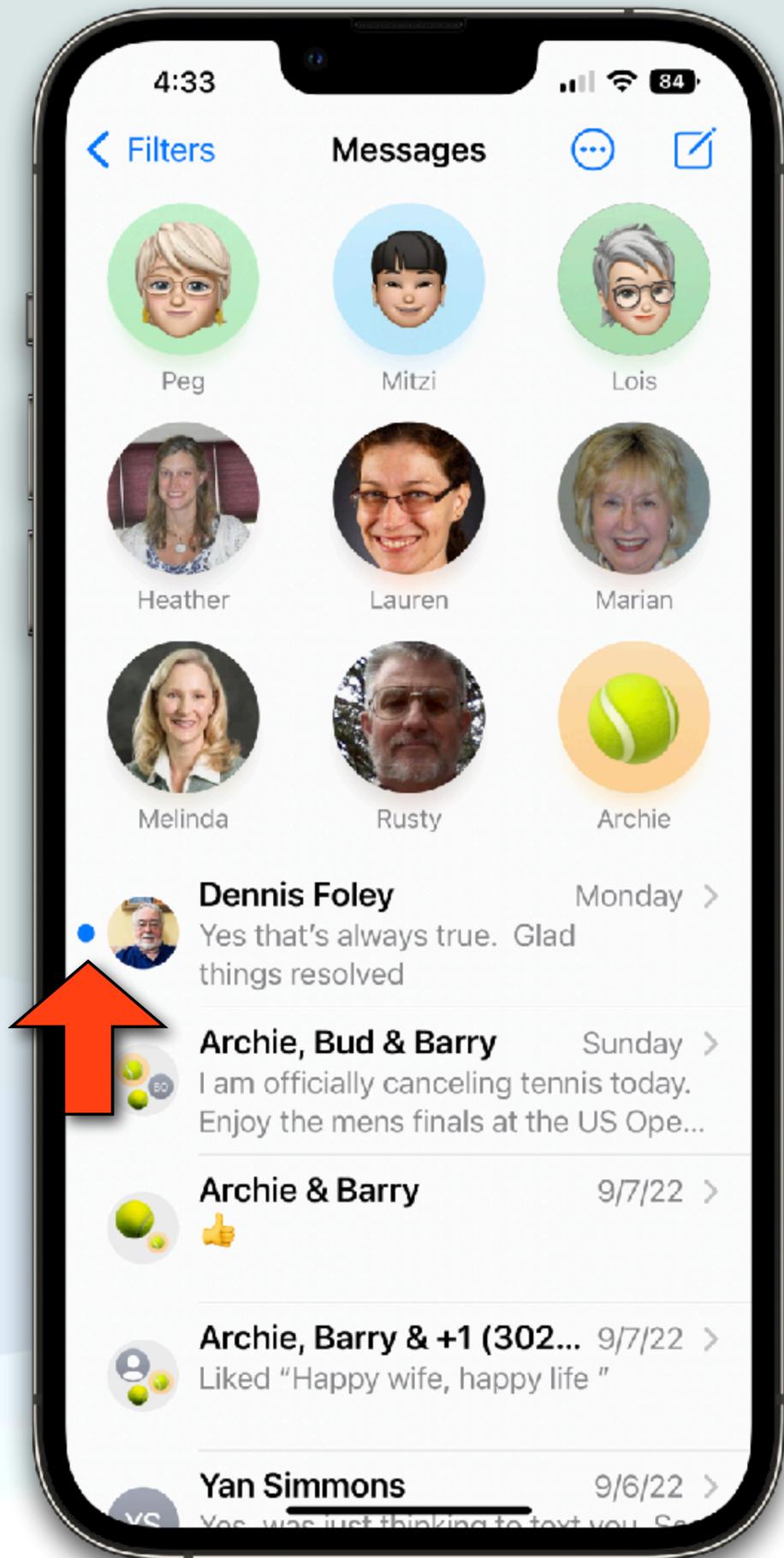
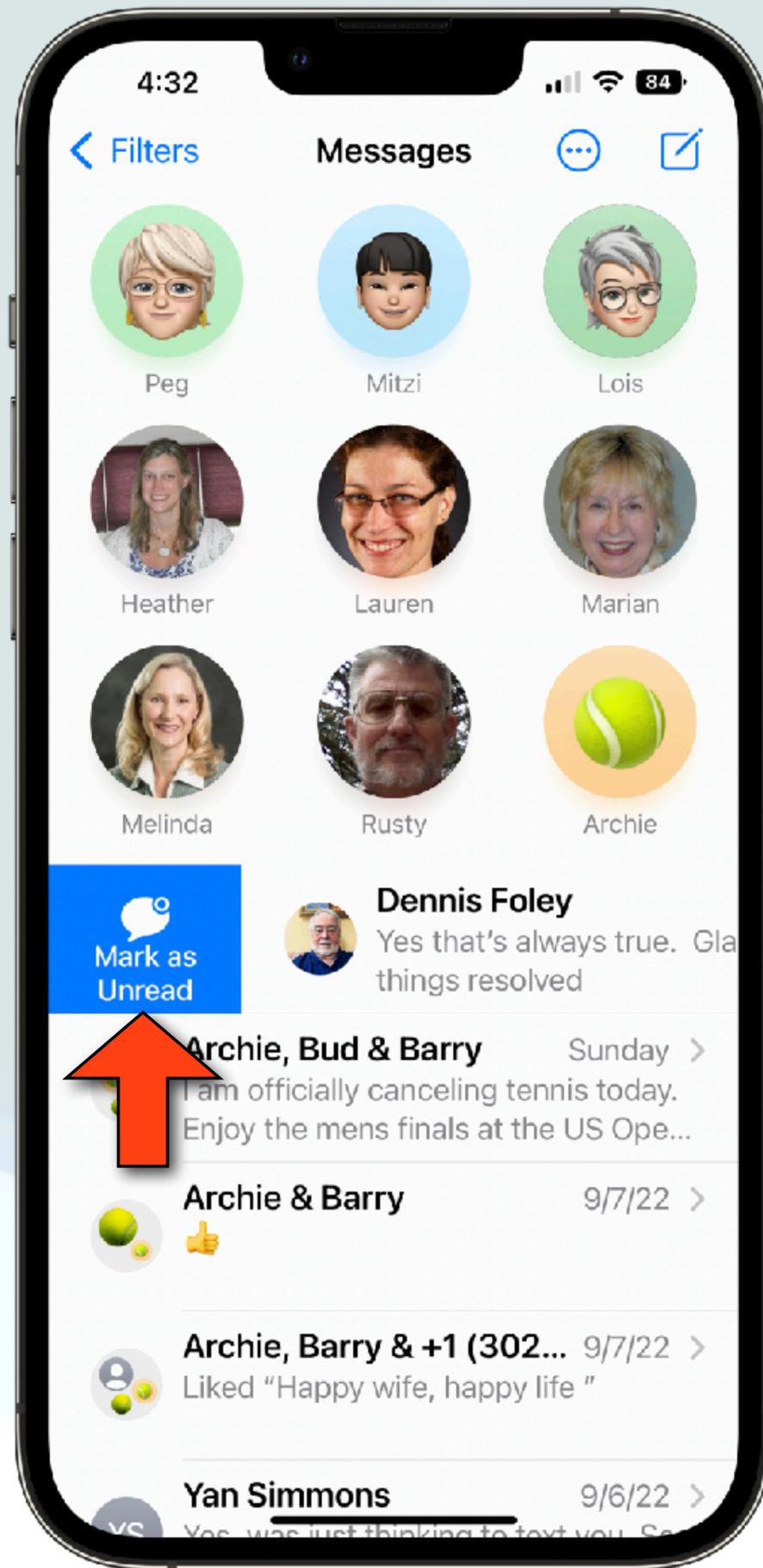
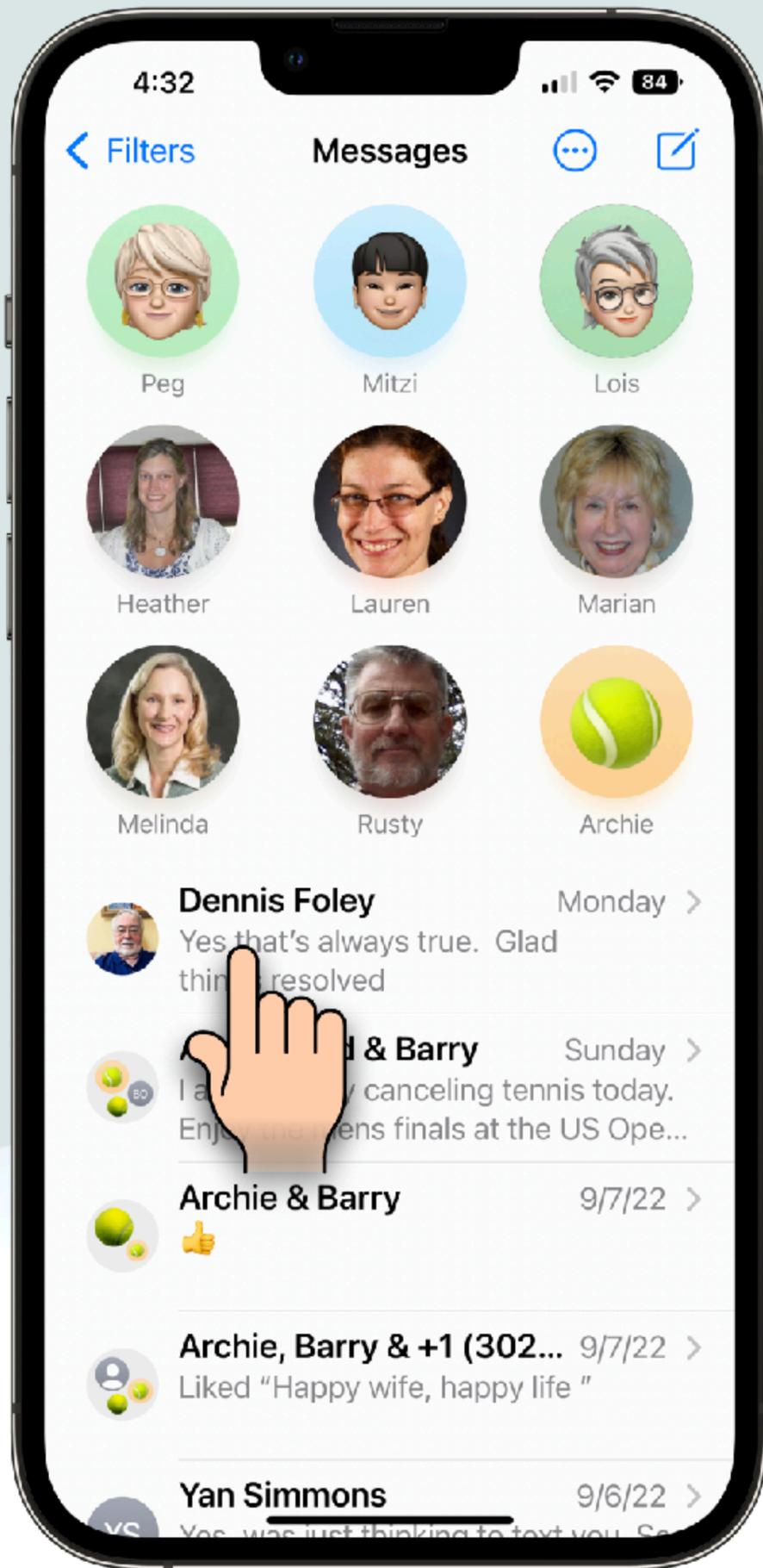


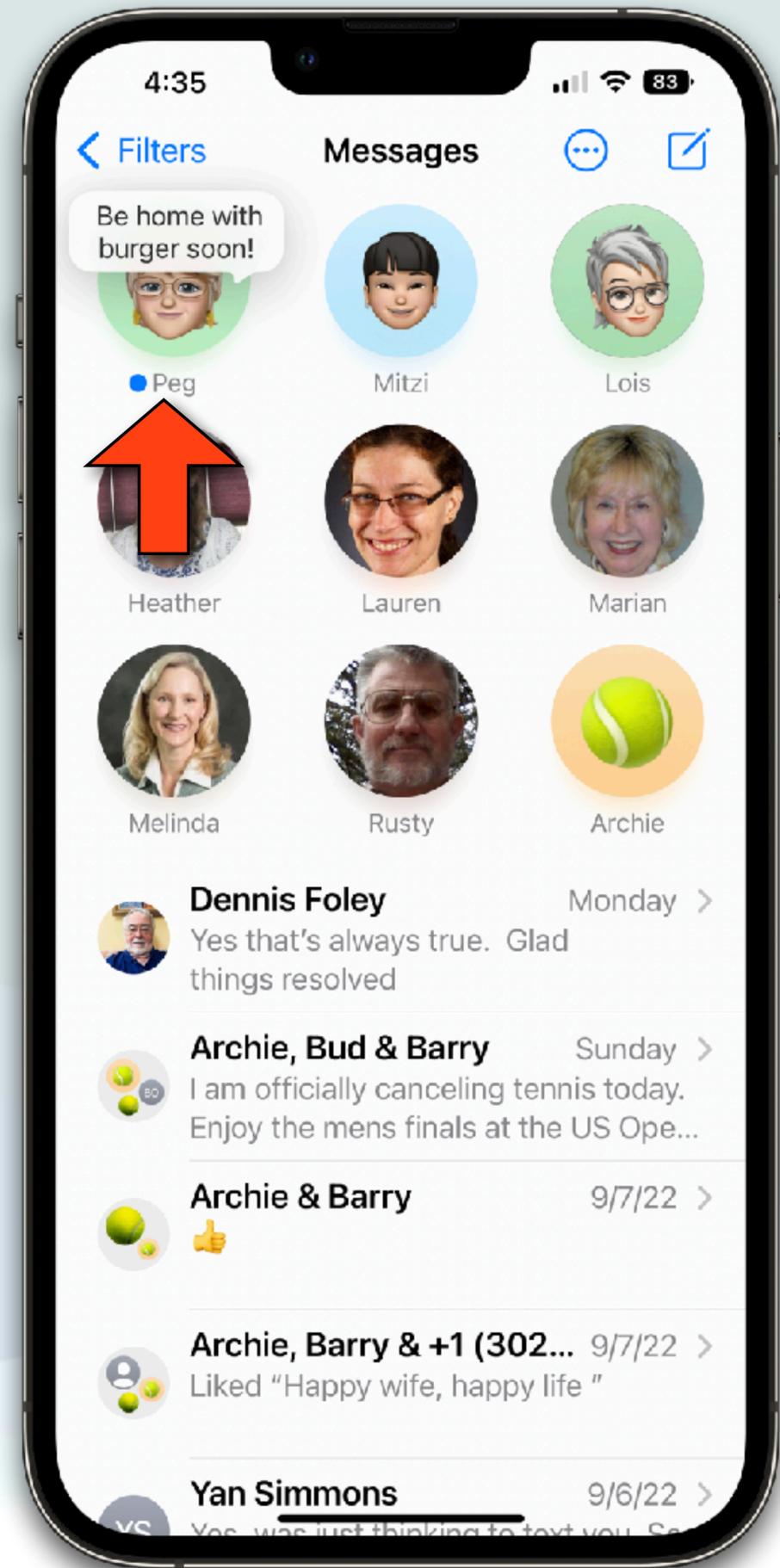
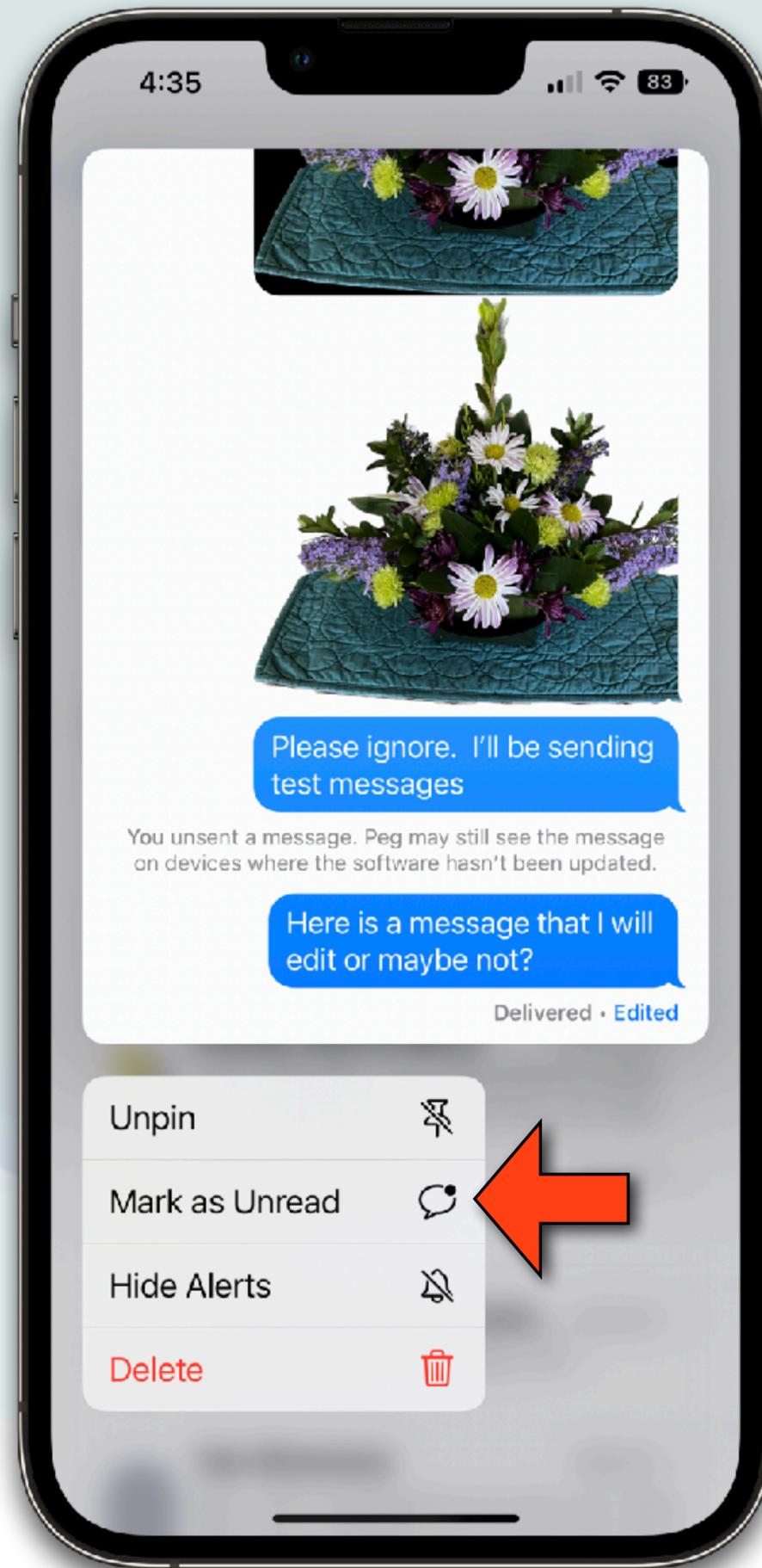
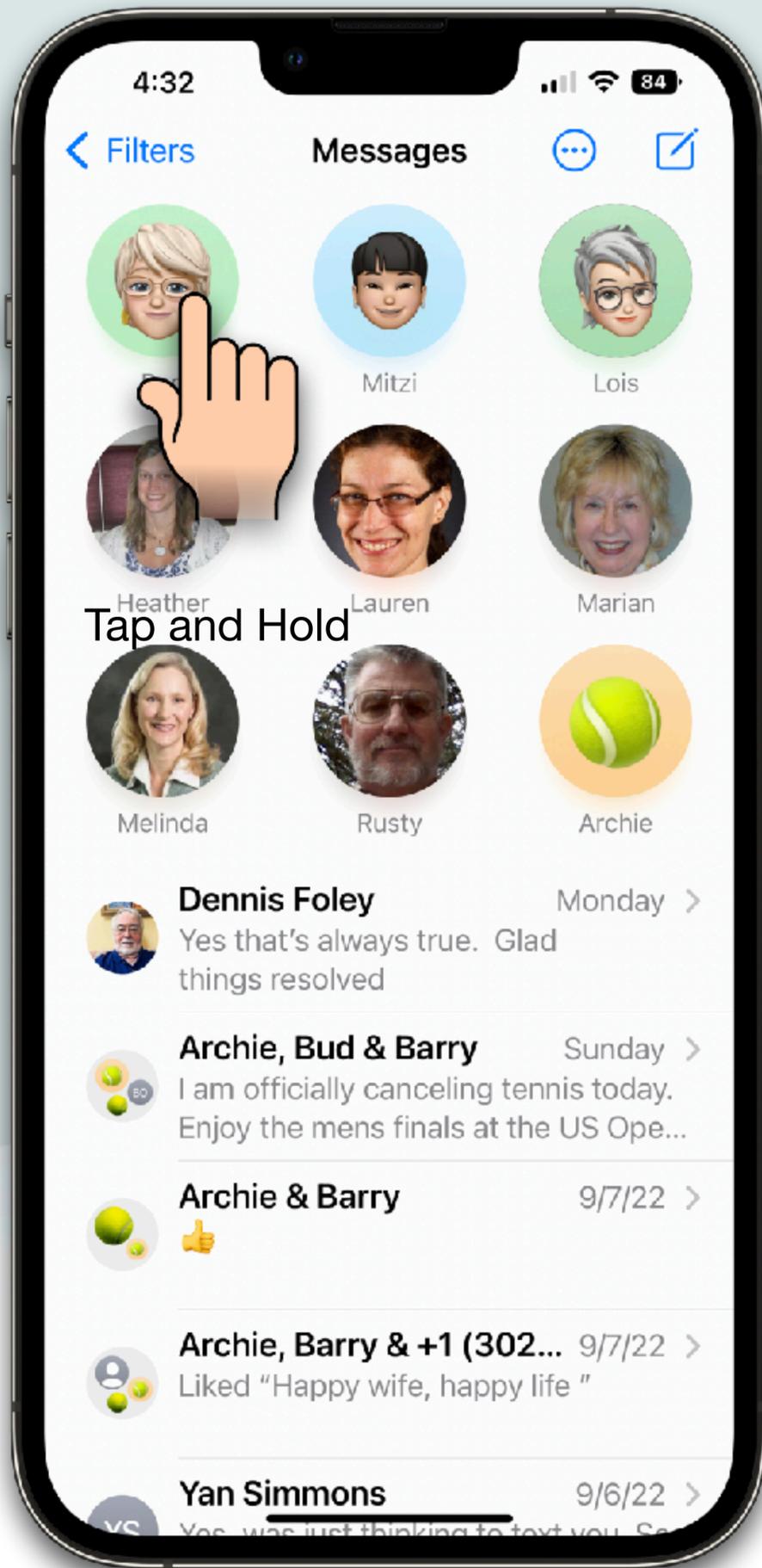
- You can now set a conversation to unread
- This is useful when you receive a message, and can't act on it now, but want to reply to it later, and not forget it
- Setting it to unread will remind you that you have to act on that specific conversation
- There are multiple ways to set a conversation to unread

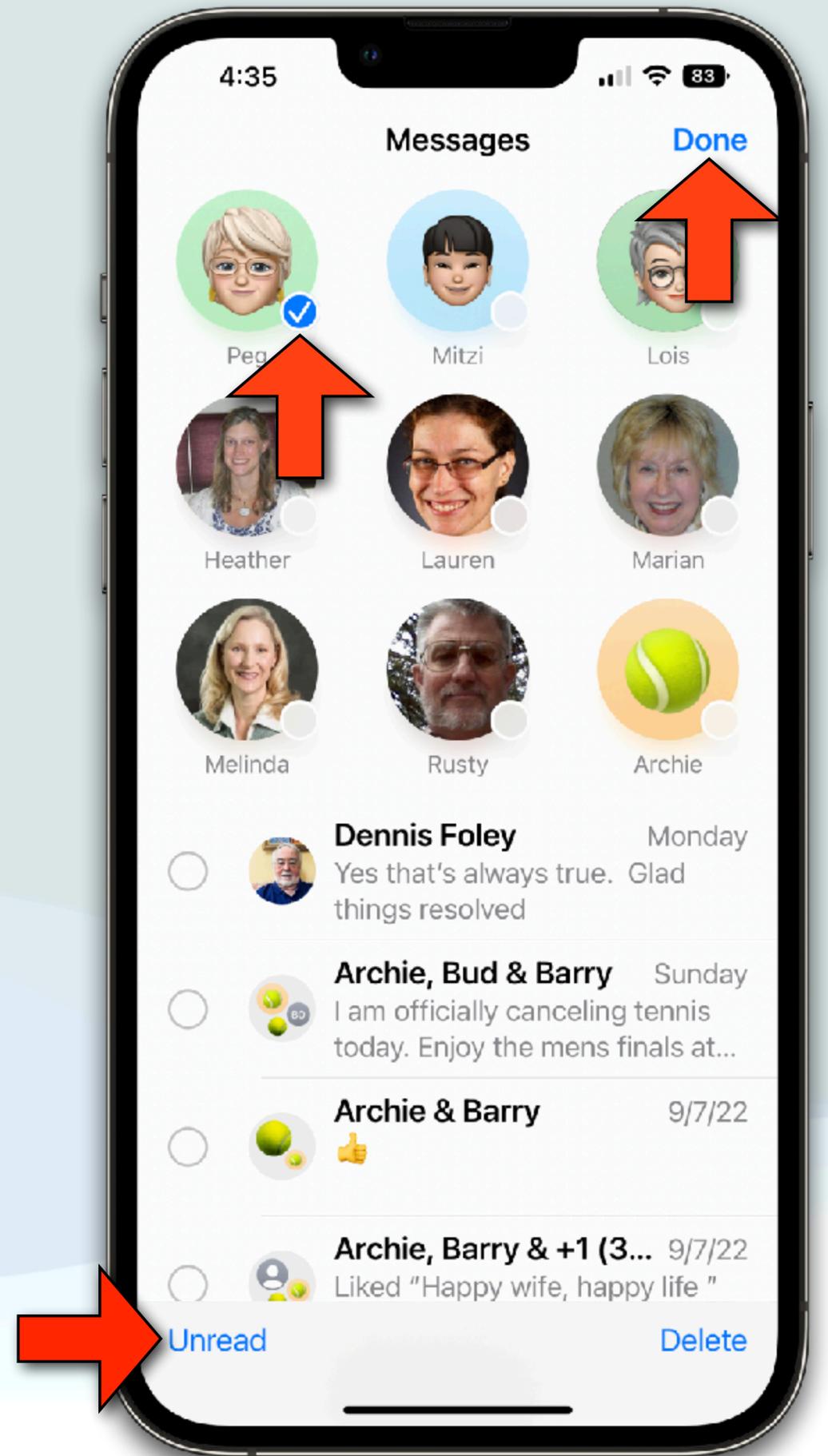
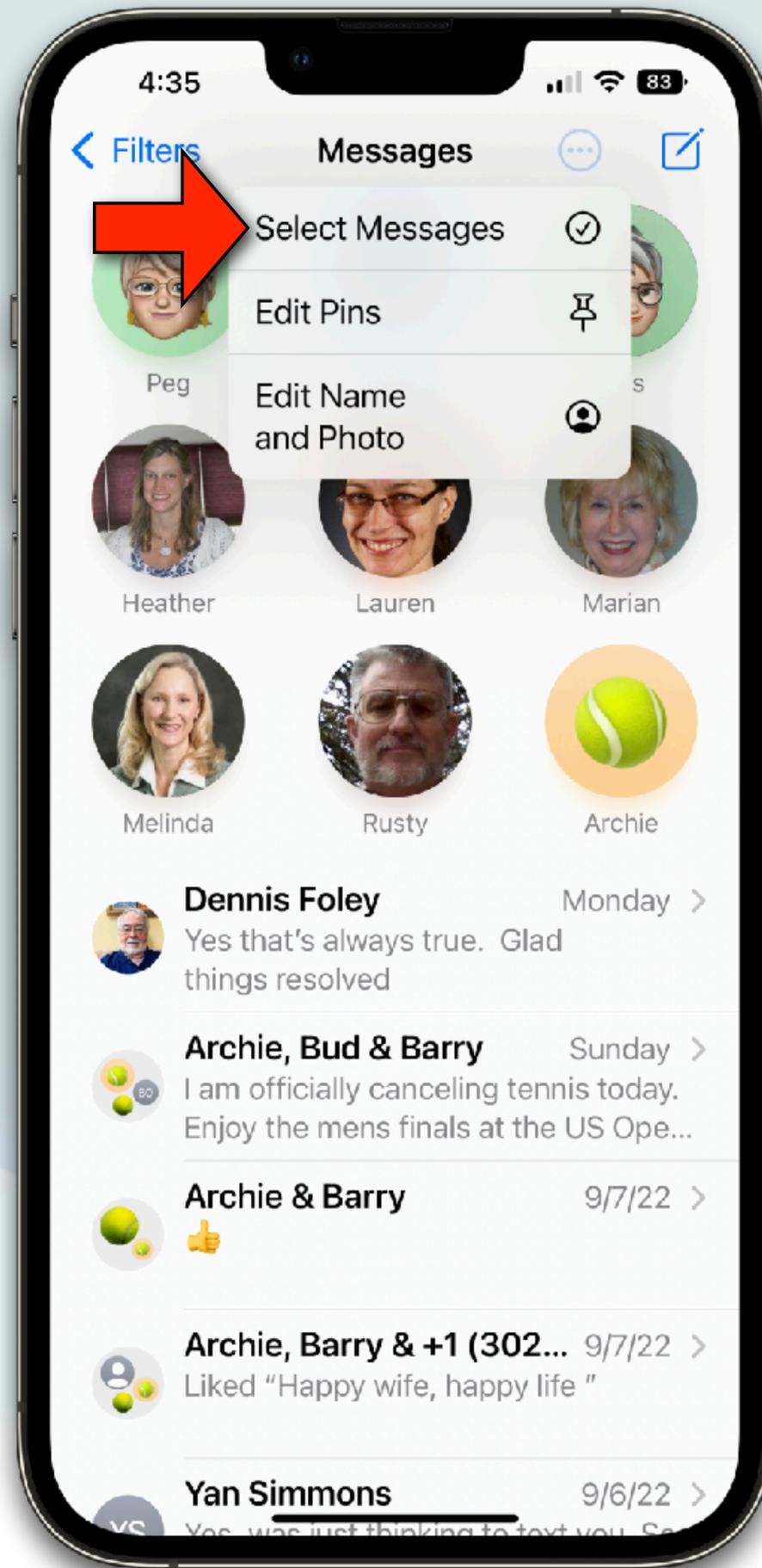
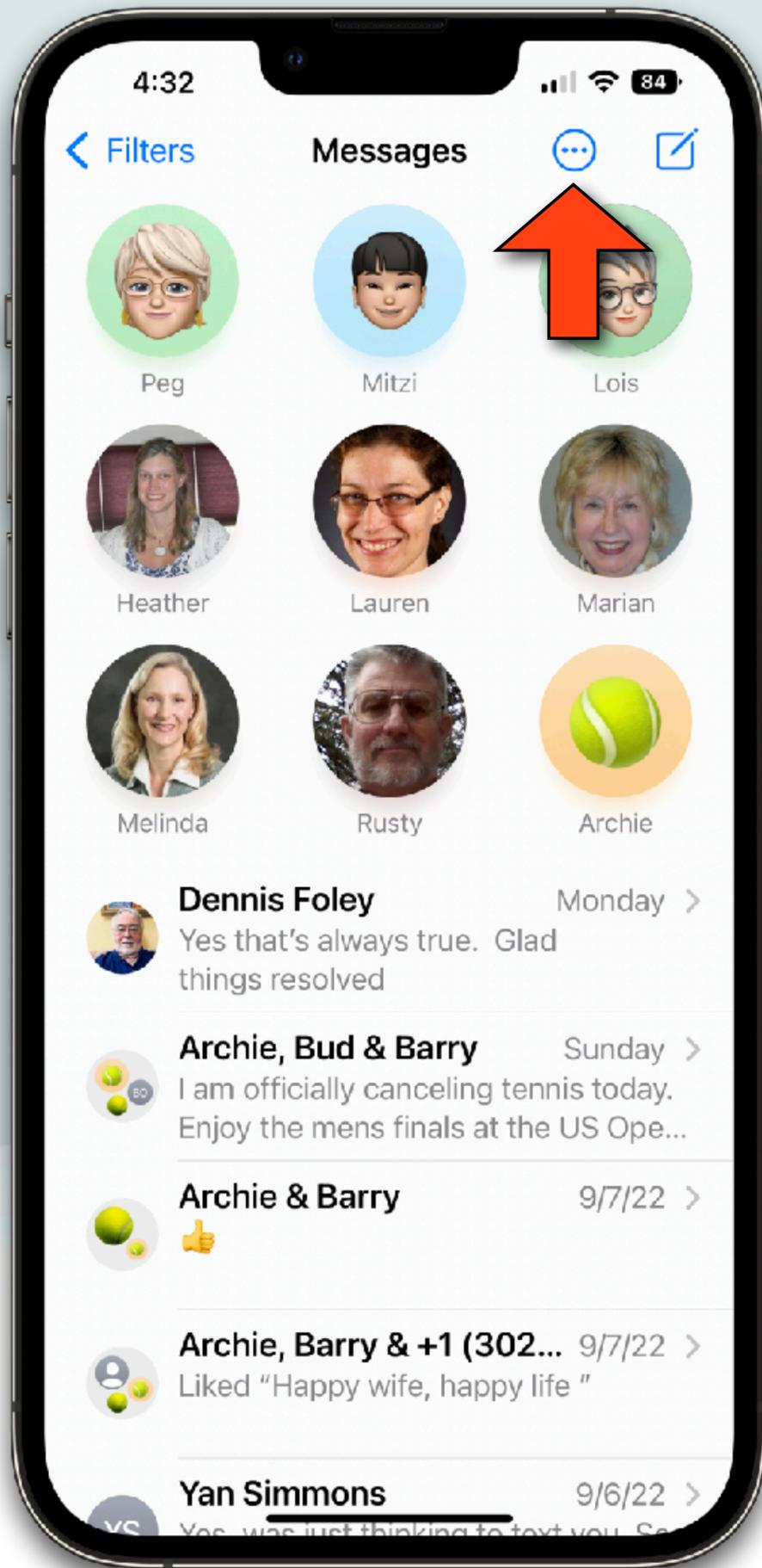
# Messages



- From your conversations list:
  - Swipe right on the chat you want to mark as unread
  - Long-press the chat and choose "Mark as Unread" from the quick actions
  - Tap "Edit" or the ellipsis (•••) at the top, choose "Select Messages," check one or more chats, and tap "Unread" at the bottom



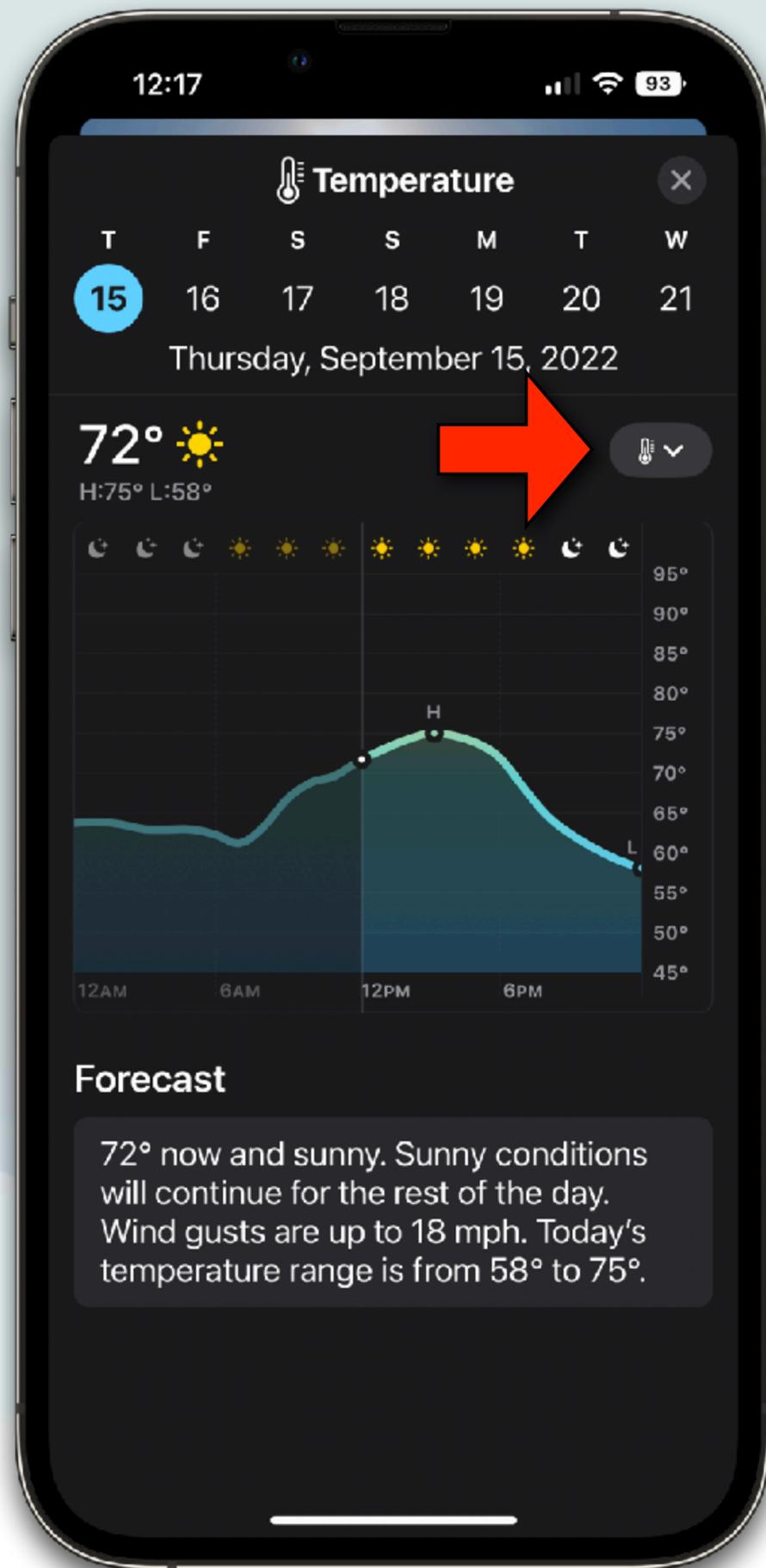


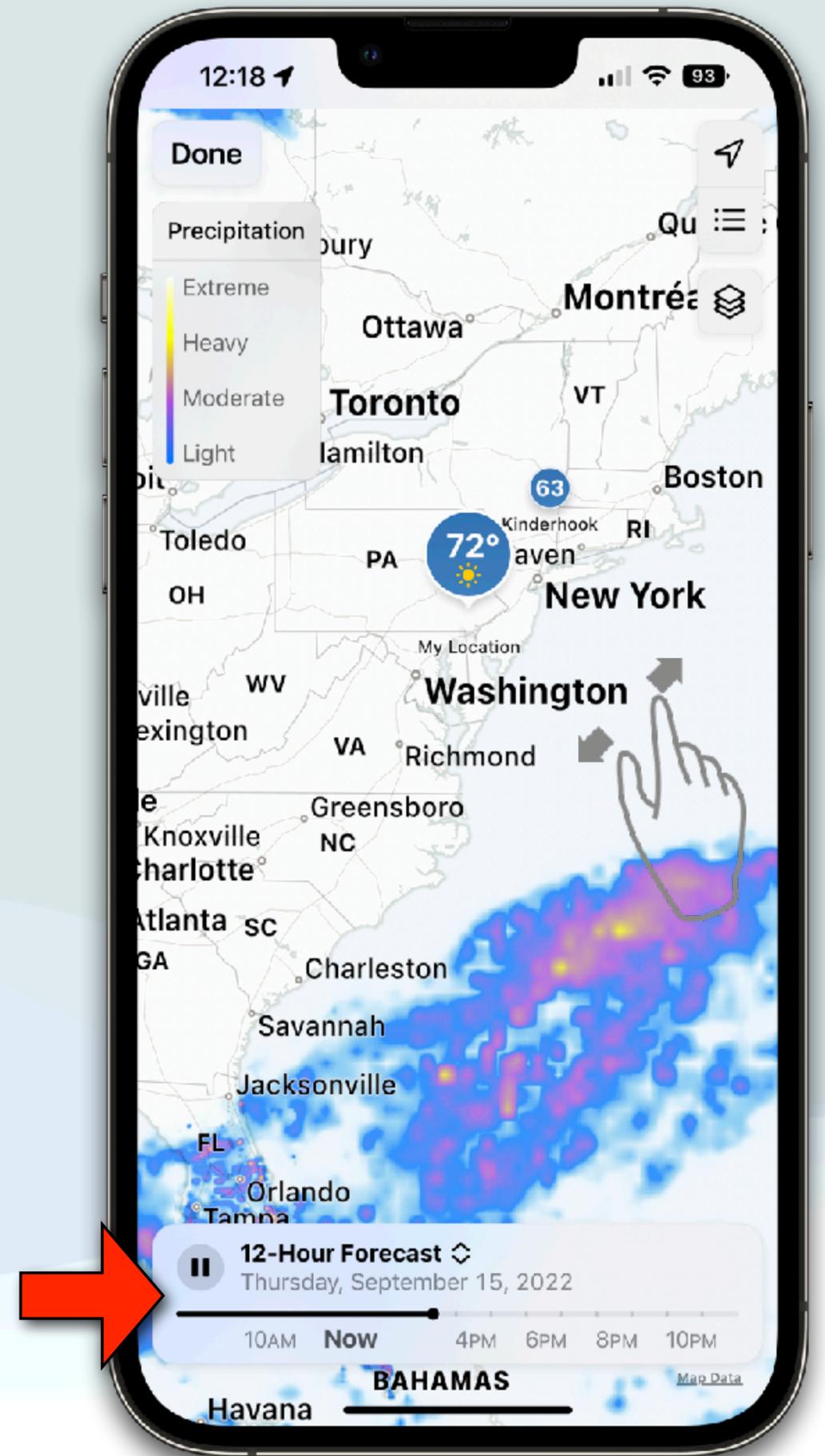
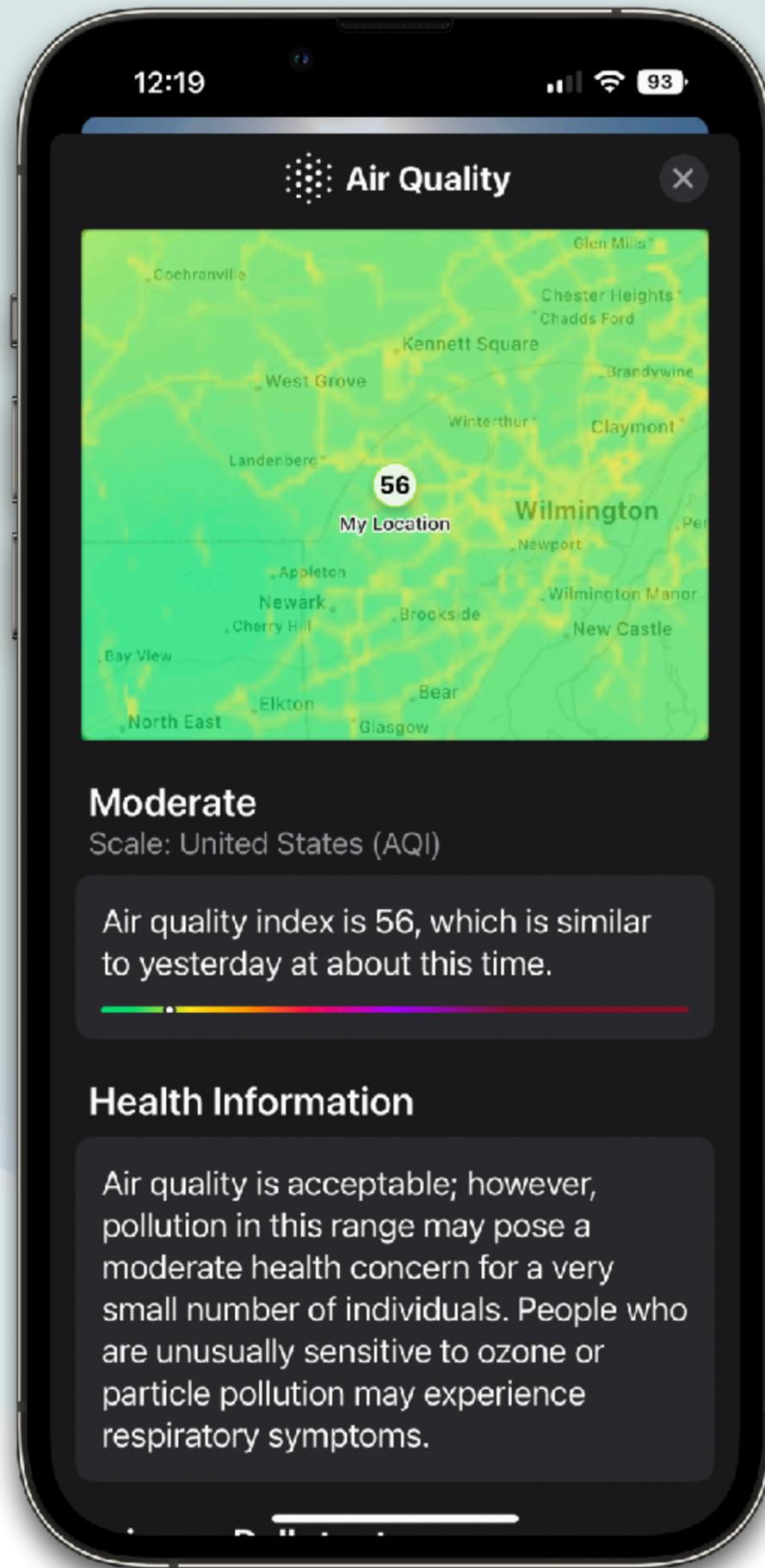
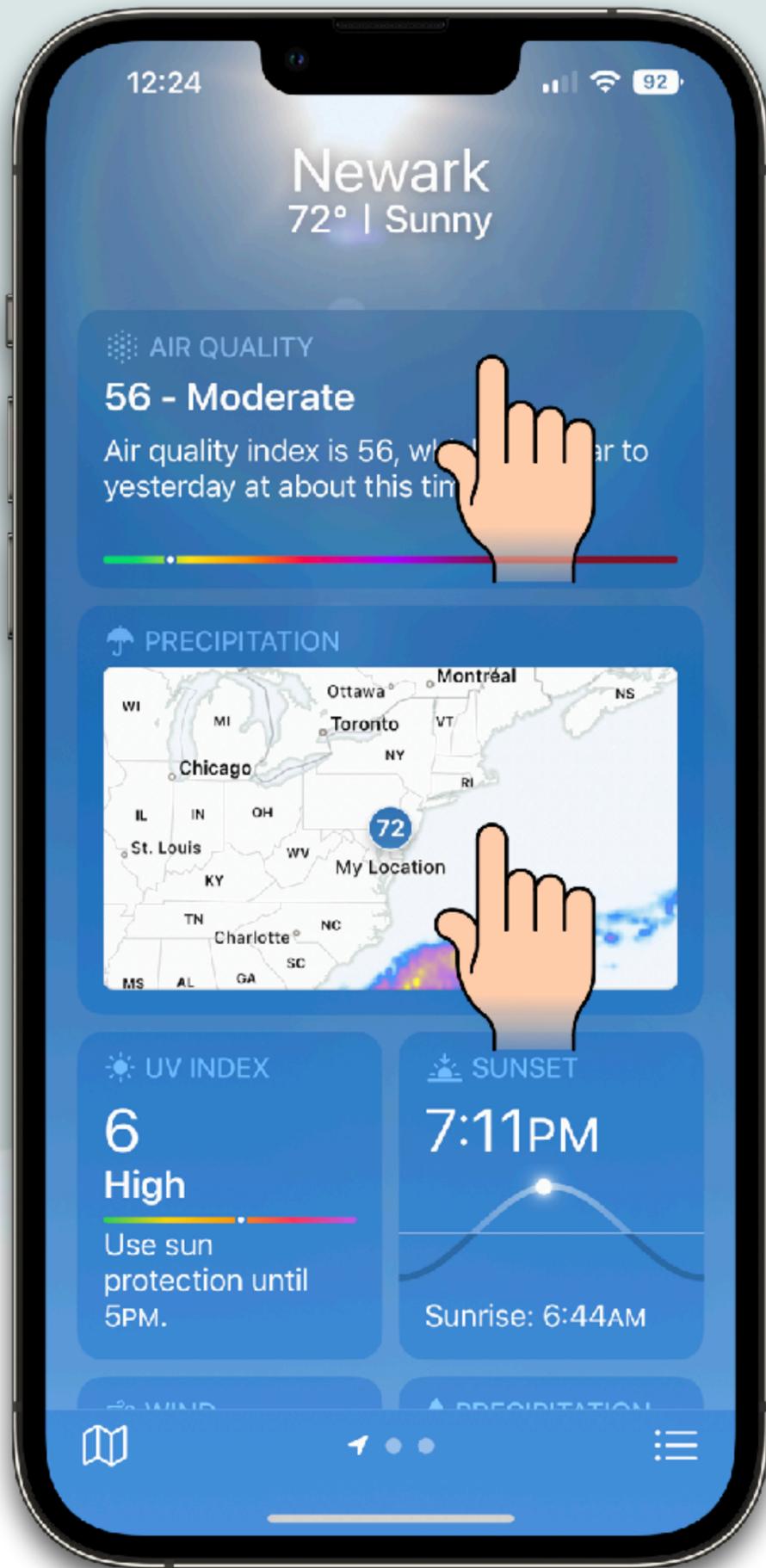


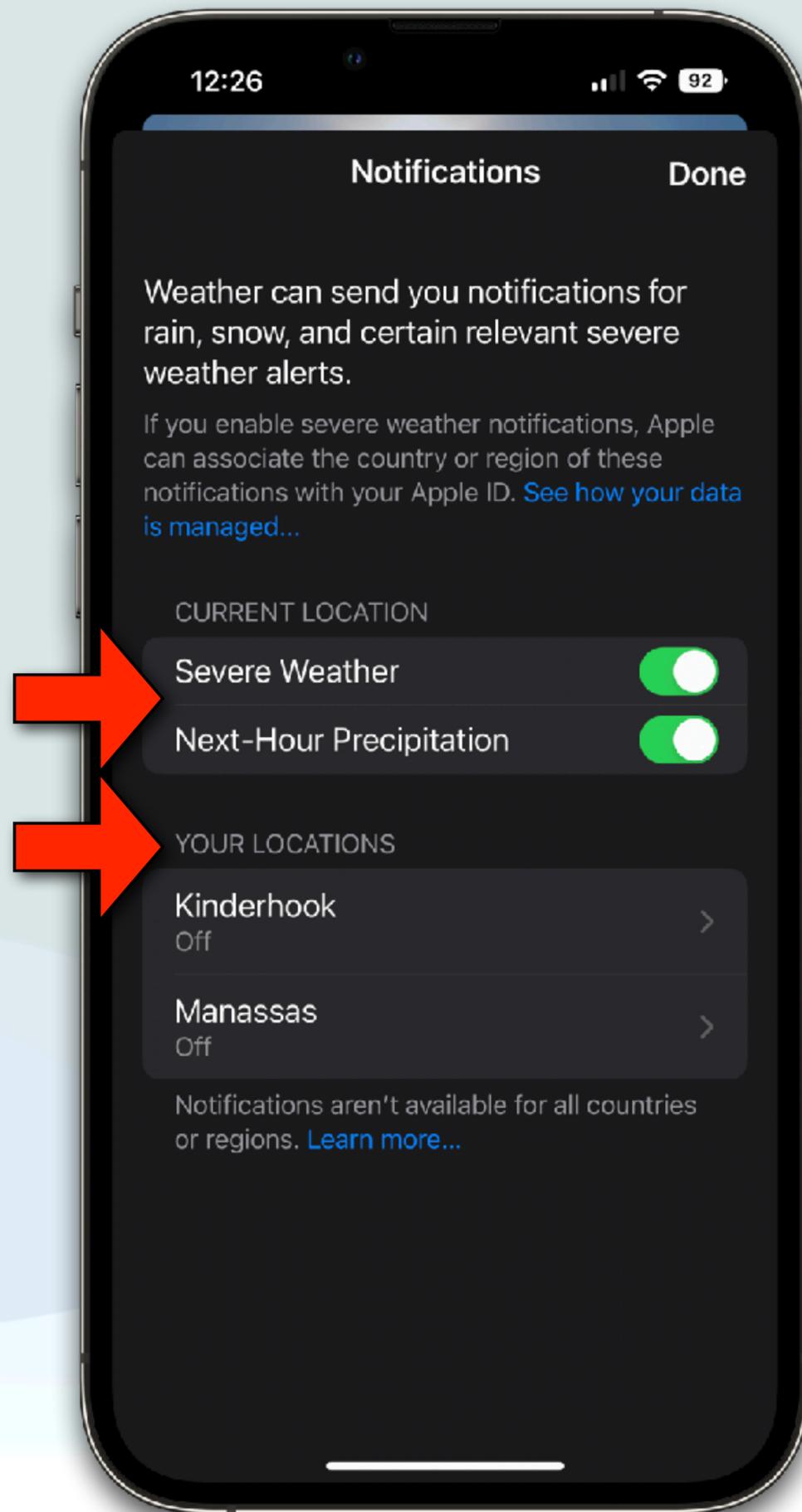
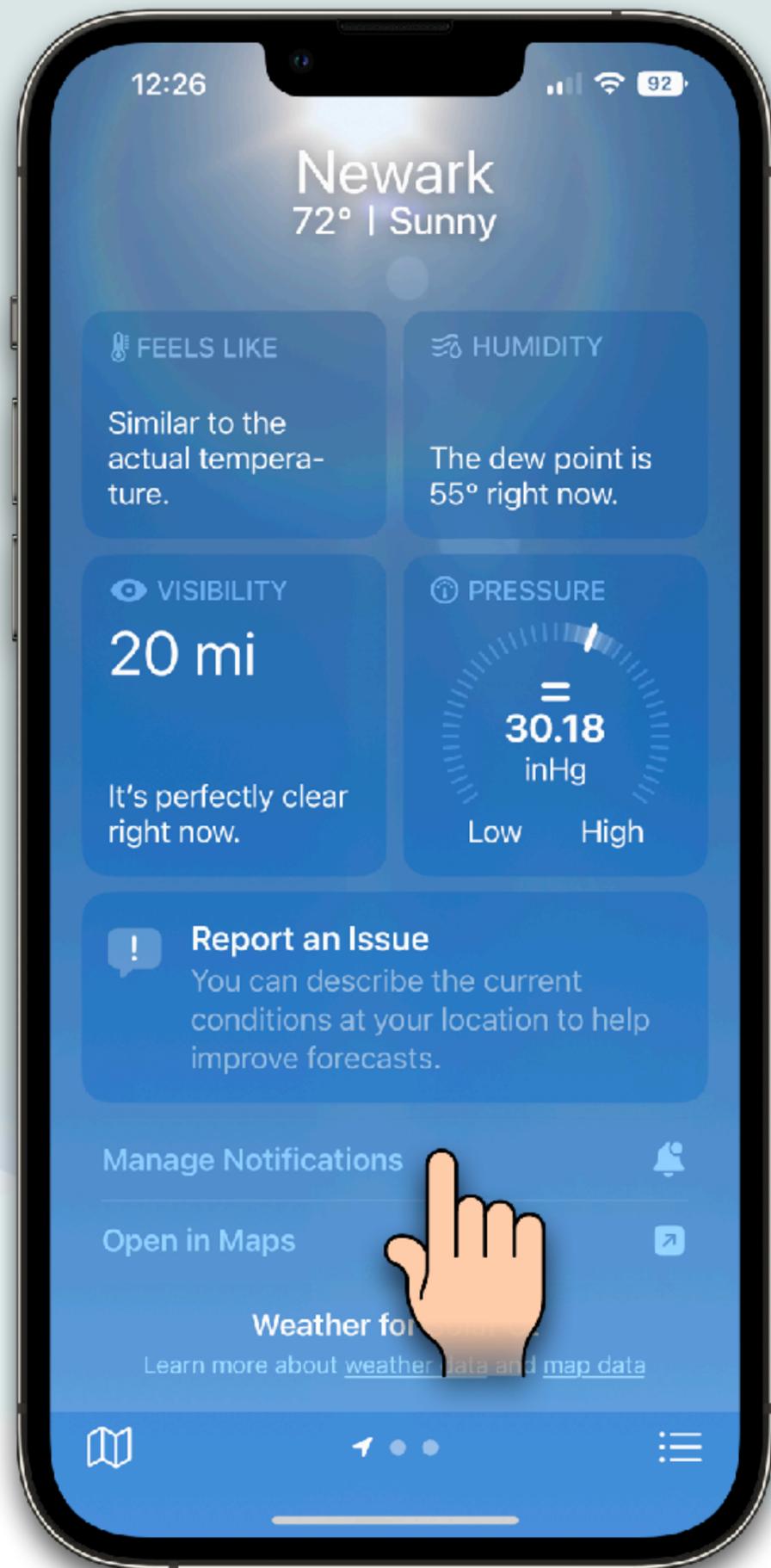
# Weather



- Apple continues to enhance its Weather app to the point that it is now my favorite weather app (no ads!)
- You can tap forecast modules for details about air quality, temperature, humidity, and much more
- Get hourly forecasts for the next 10 days, with minute-by-minute precipitation intensity over the next hour
- Receive government notifications about: severe weather events (like tornadoes, winter storms, flash floods, etc...), and/or next hour precipitation alerts



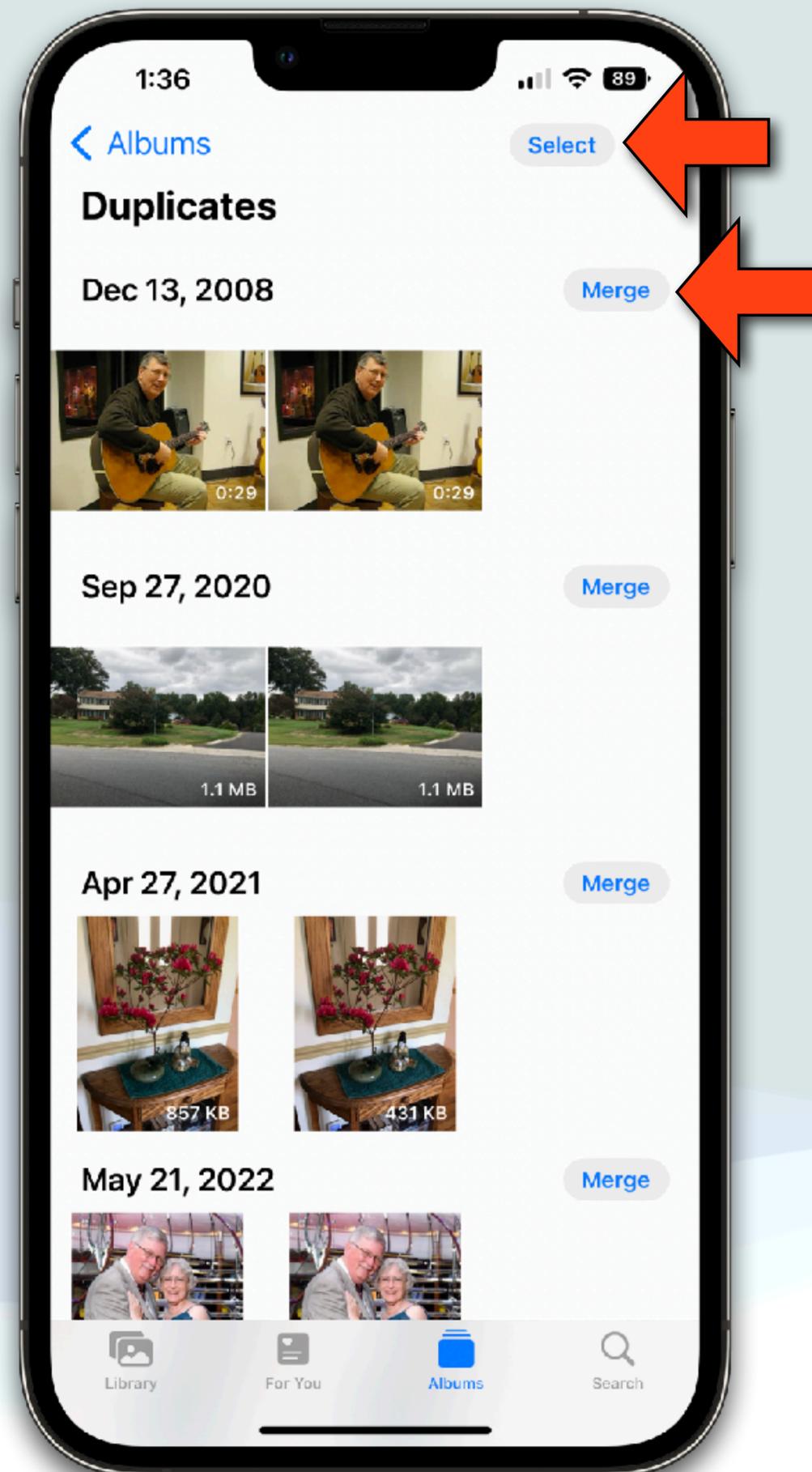
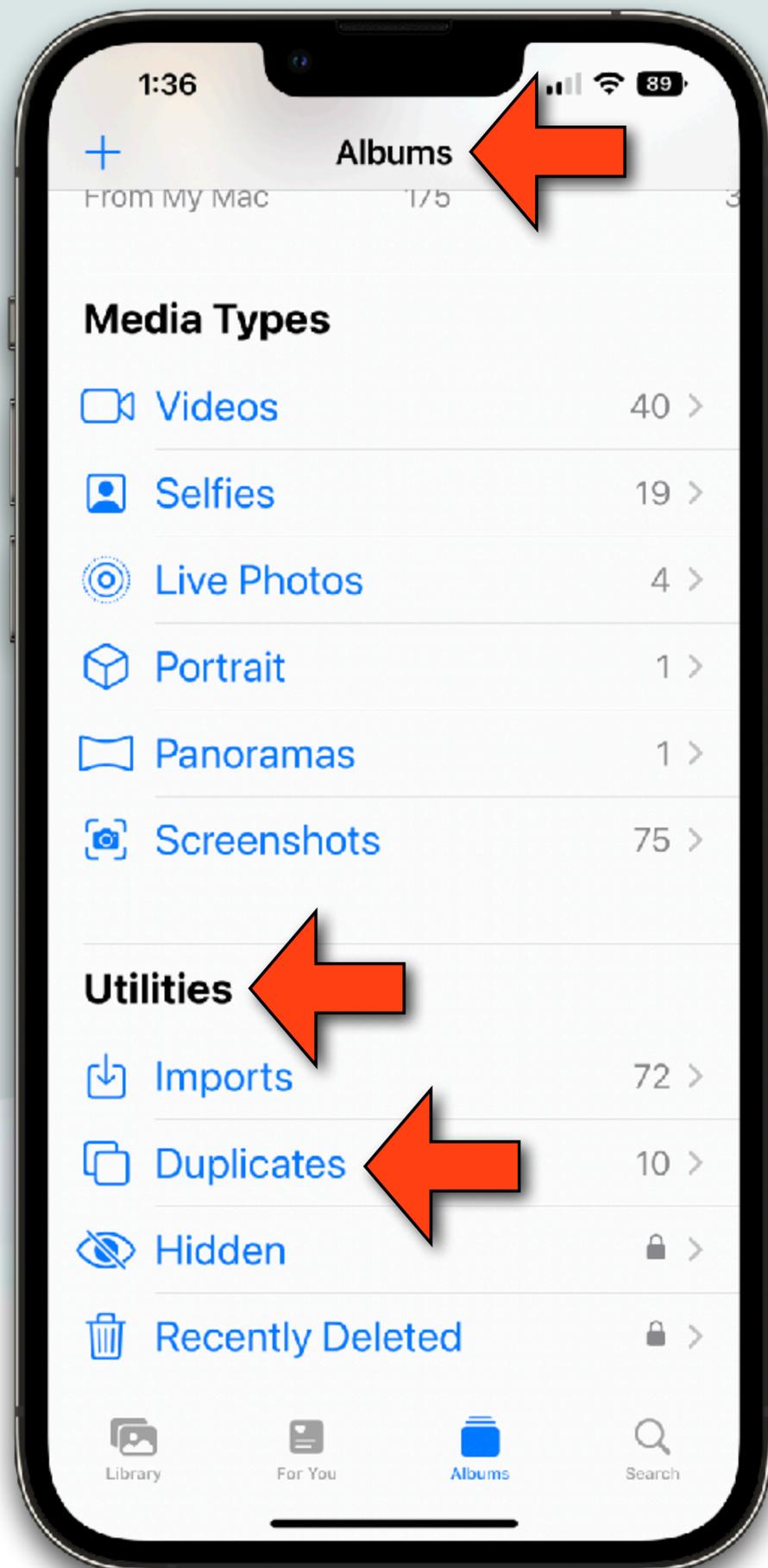


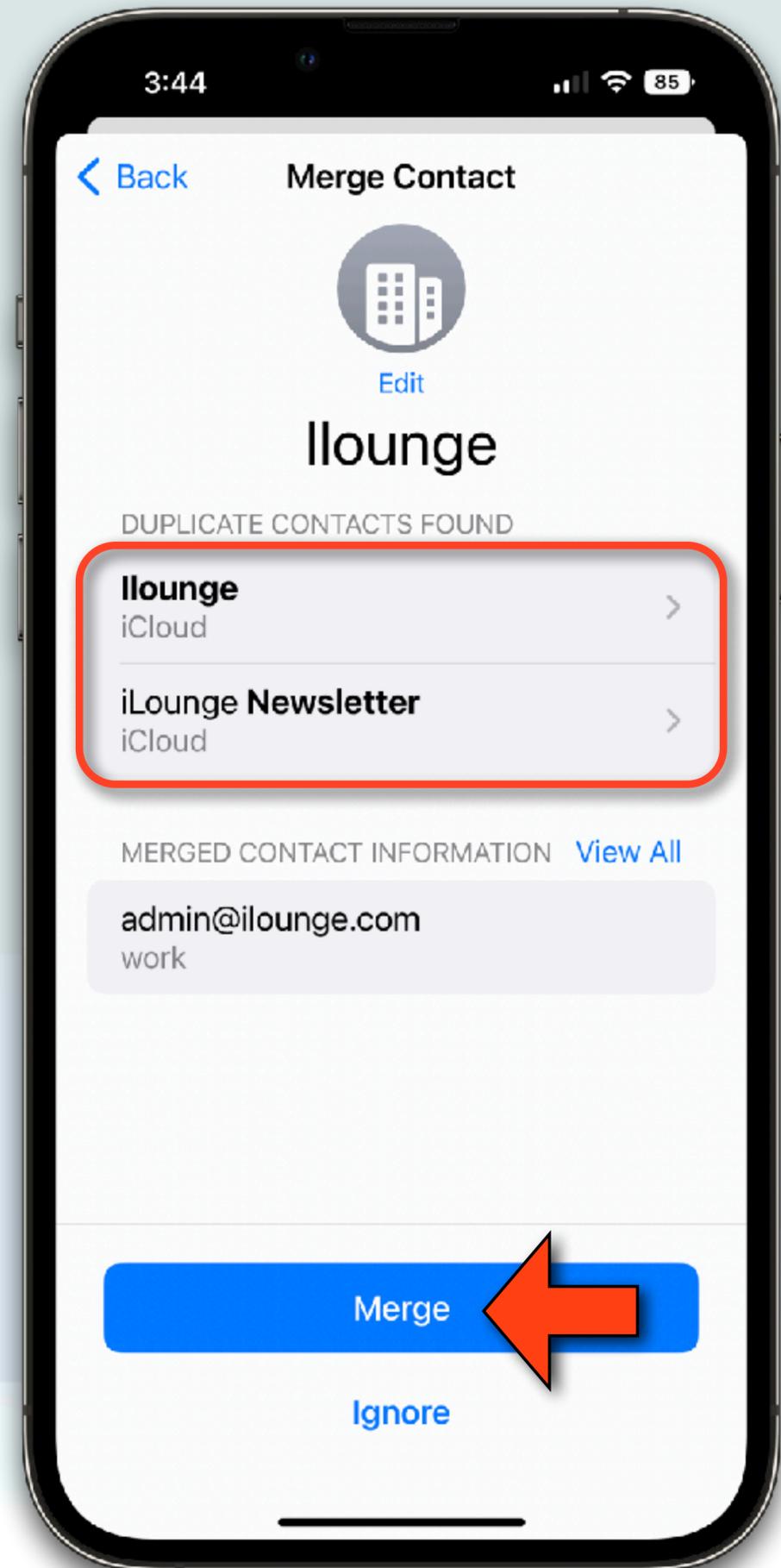
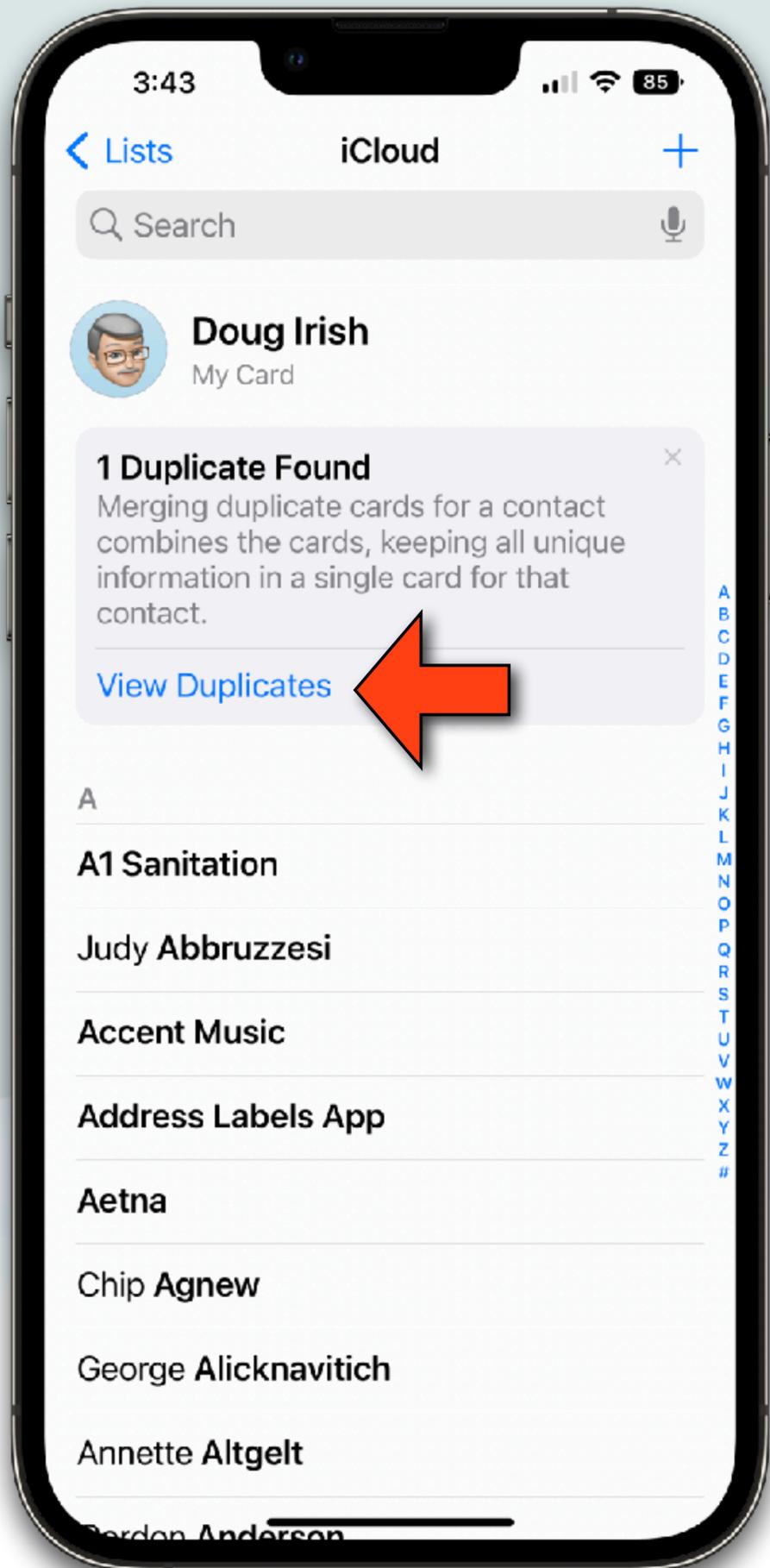




# Duplicates

- iOS 16 also allows you to manage duplicates in both the Contacts app and in Photos
- In the Photos app, go to Albums>Utilities>Duplicates
- Note: If there are no duplicates, there will be no Duplicate album
- In Contacts, if you have duplicates, it will be at the top of the page

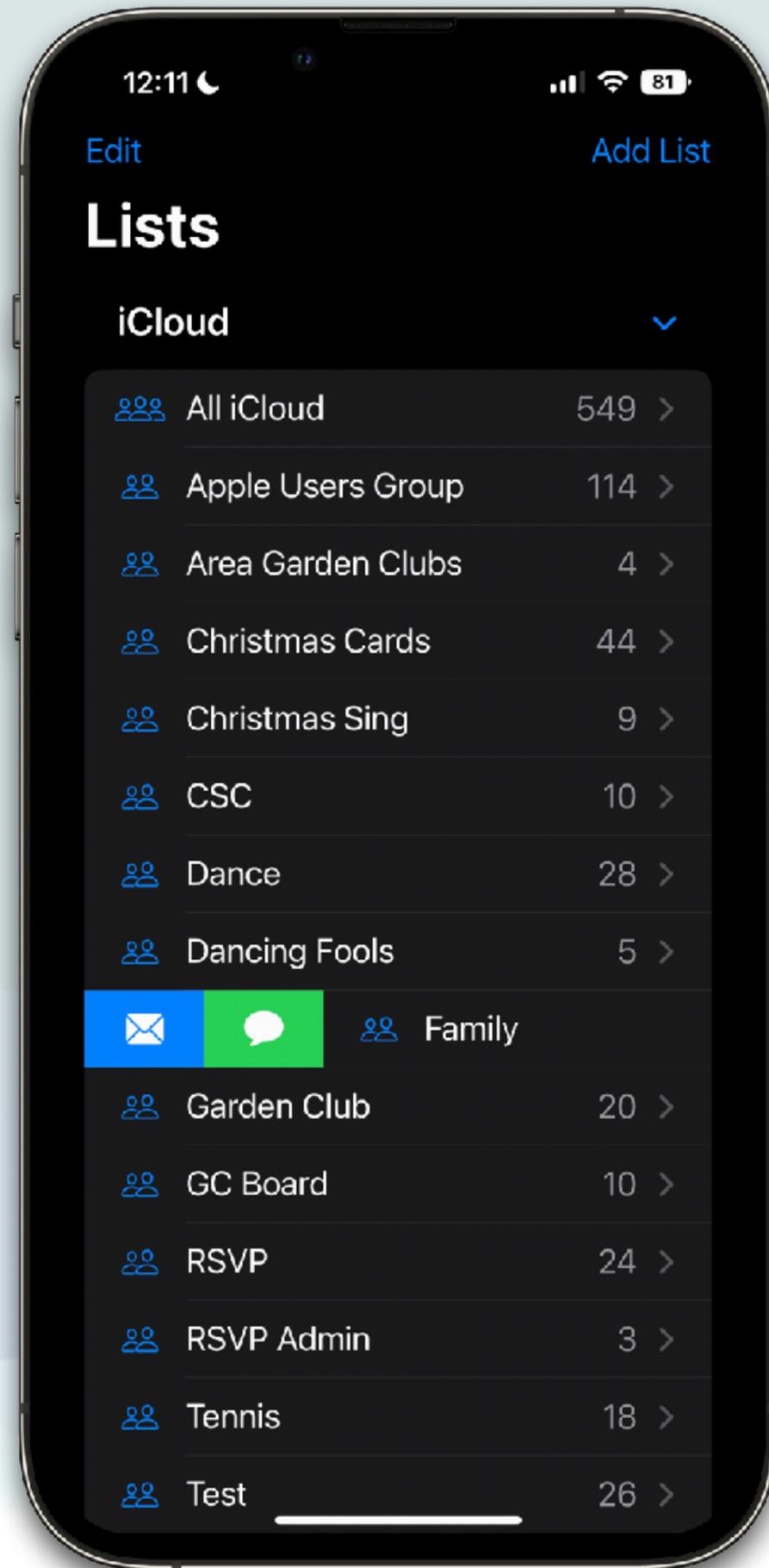
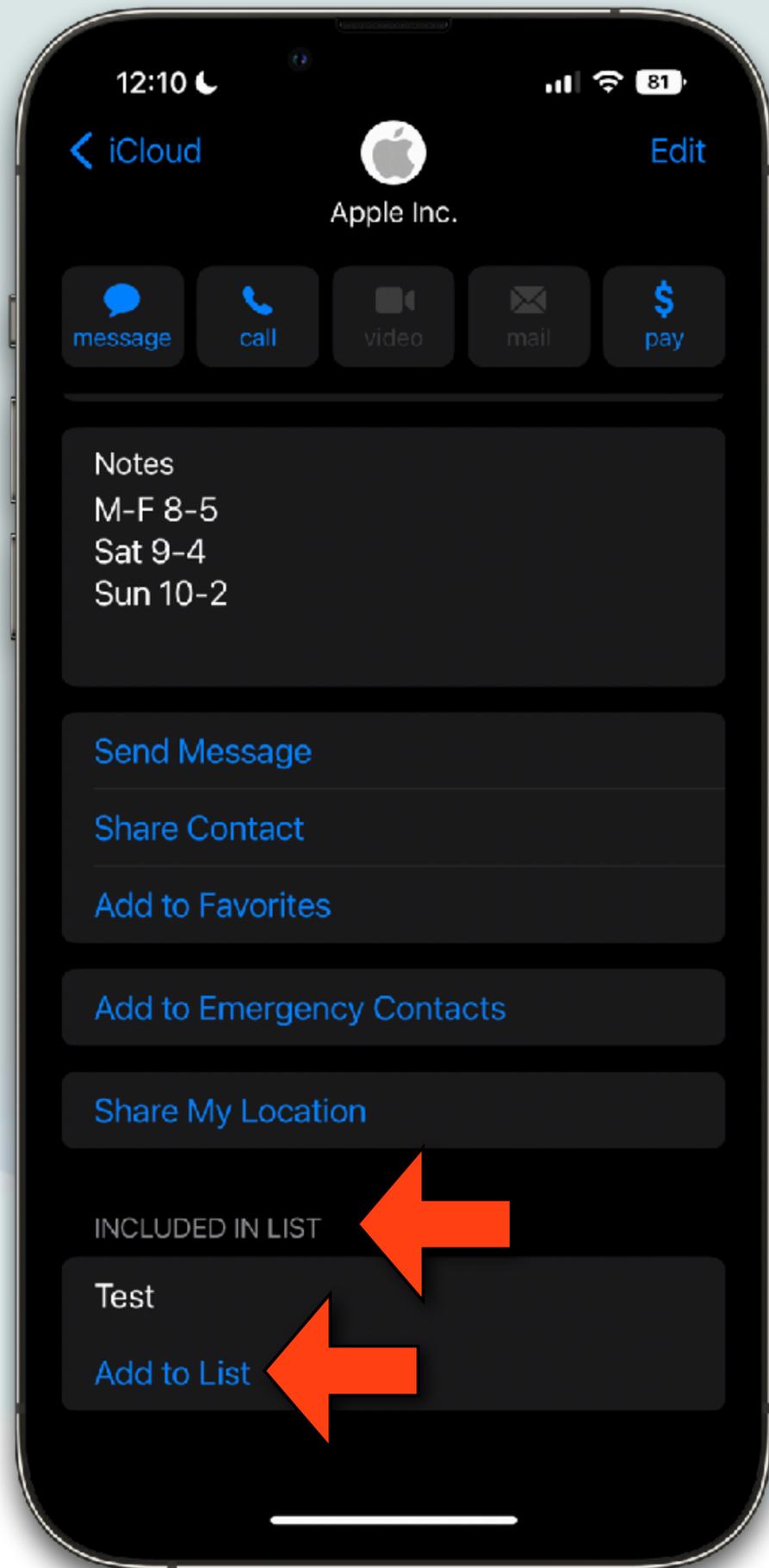
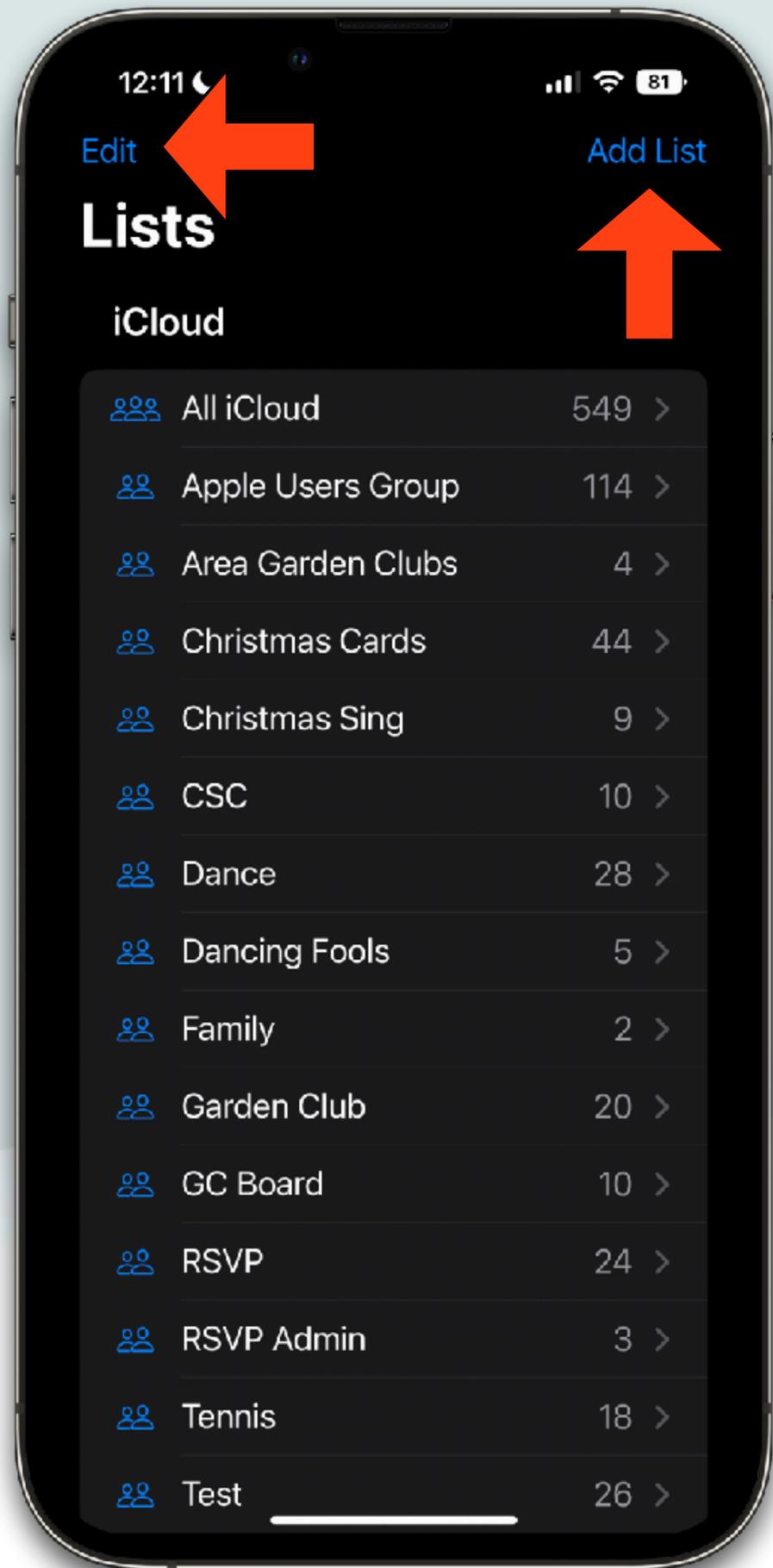




# Contacts



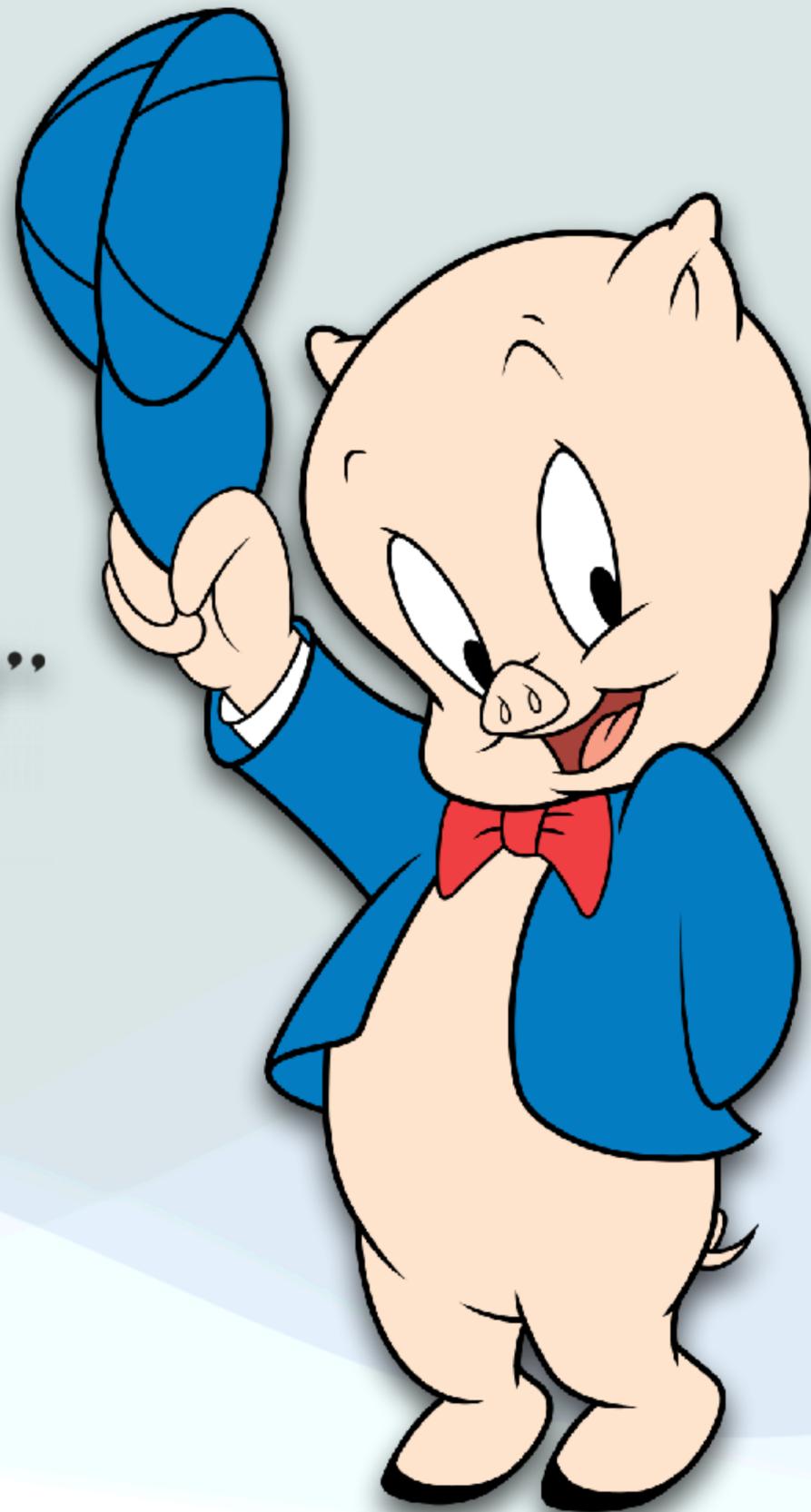
- Previous to iOS 16, you could use groups (aka Distribution lists), but you could only create, edit, or delete them on a Mac or on the web (iCloud)
- You can now do all these in iOS 16, and “Groups” has been renamed “Lists”
- In the Contacts app, go to lists and in the upper right hand corner there is an “Add Lists” button
- At the bottom of any contact entry you can see all the lists that person belongs to, and there is a “Add to List” button





**Questions?**

*"That's all Folks!"*



*Thank  
you!*