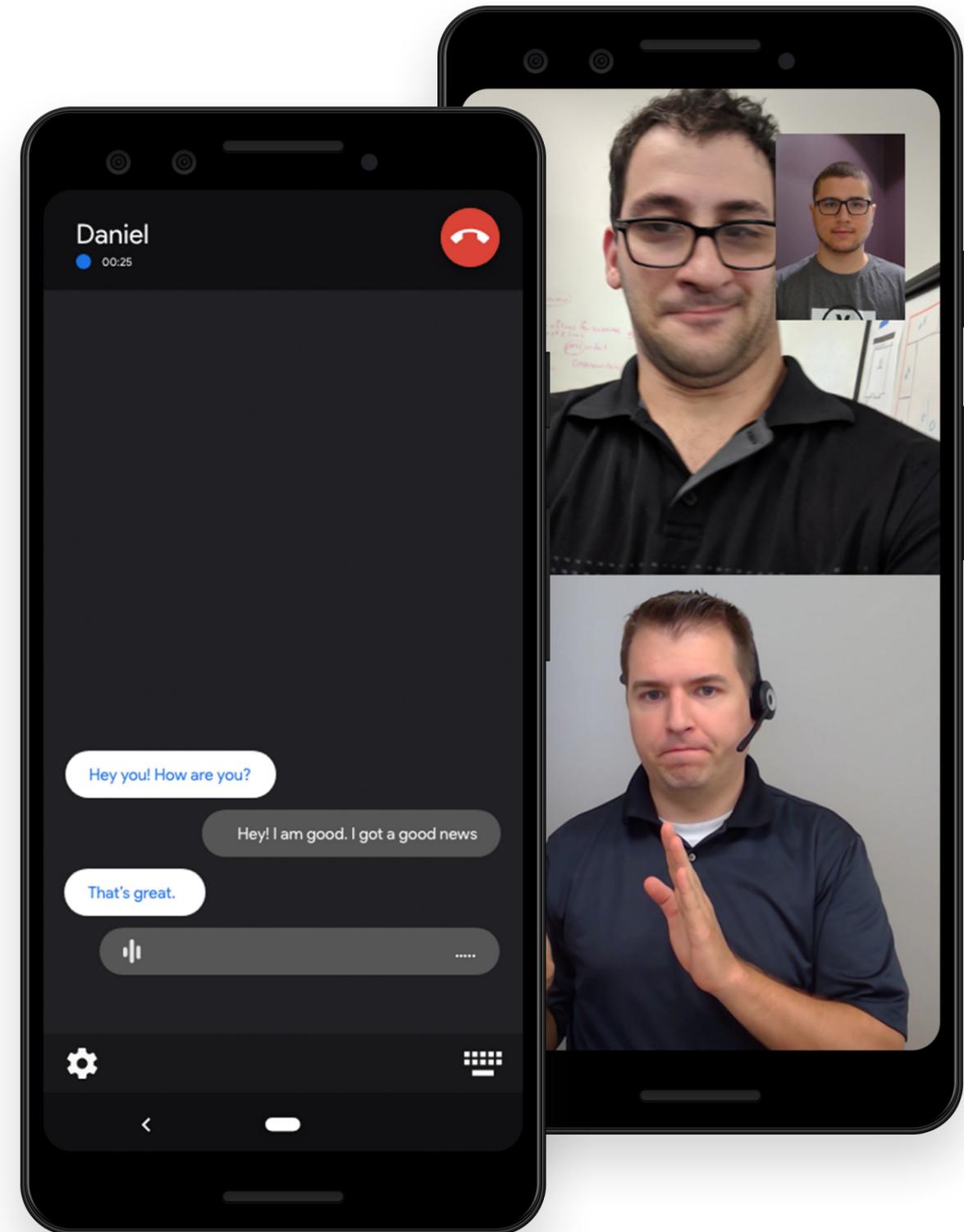


IRIS

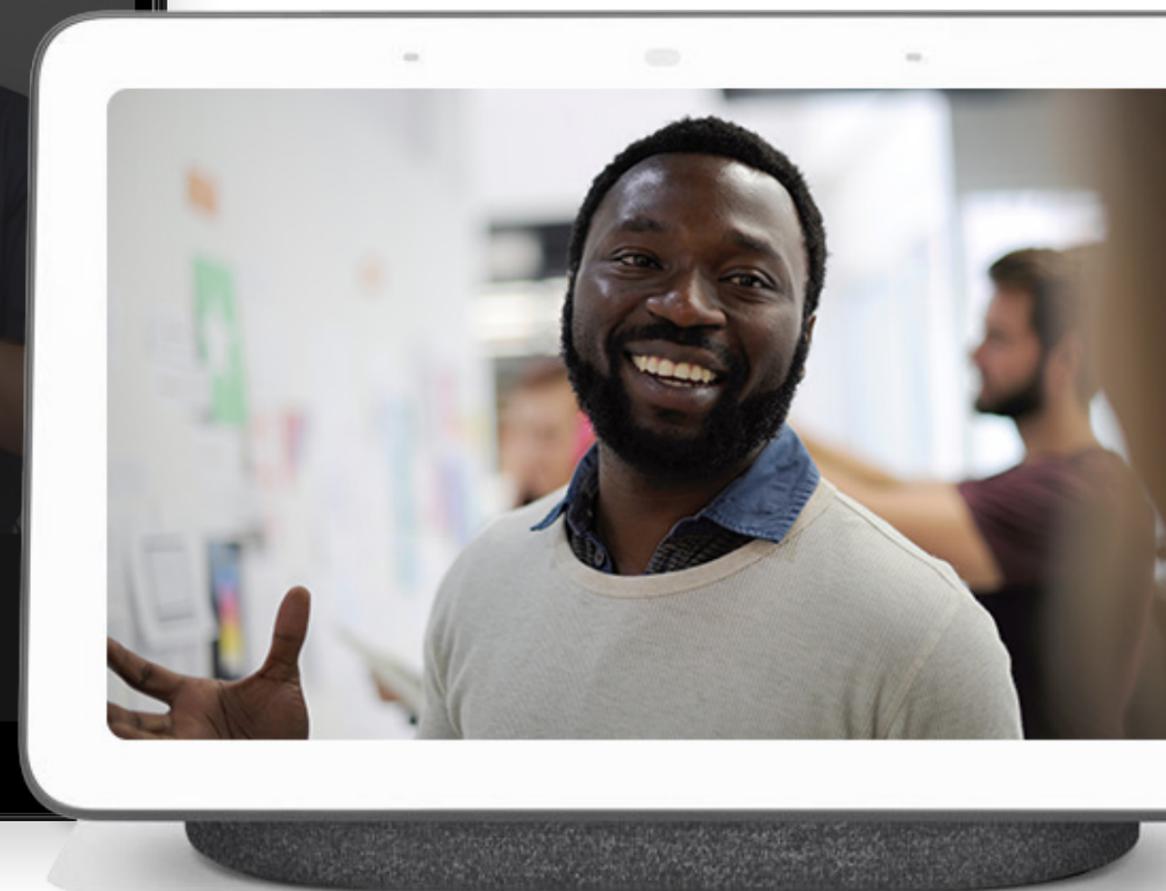
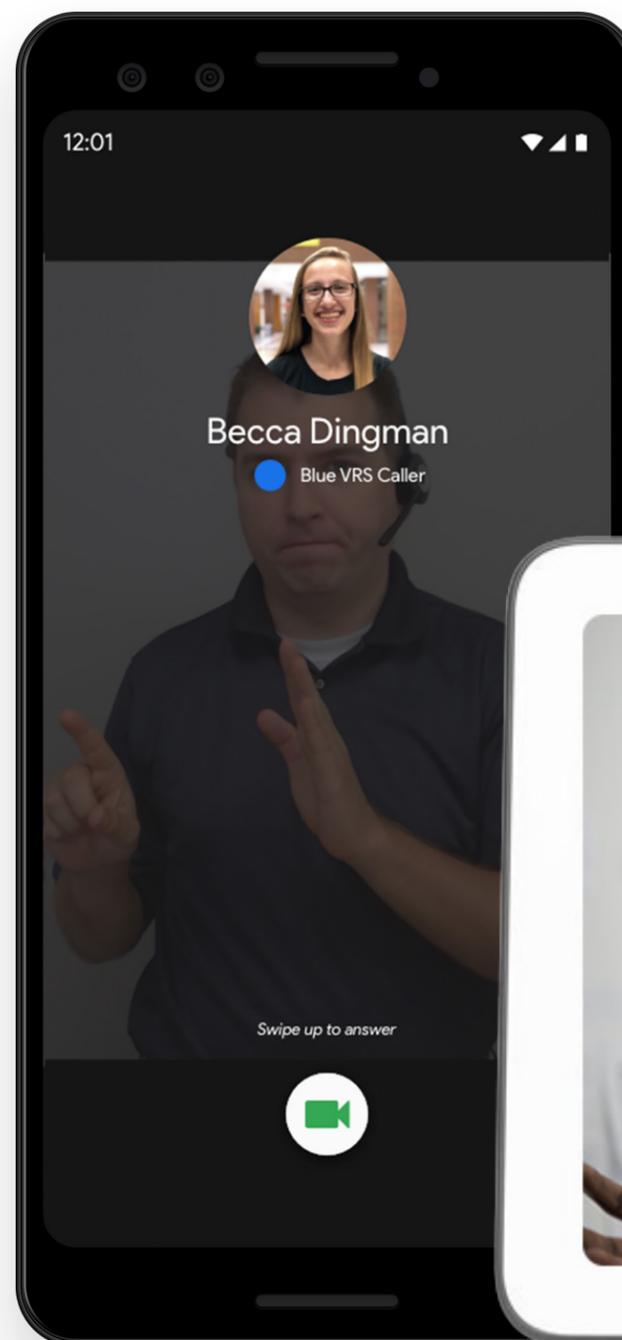
Mobile technology to provides equal access
to telecommunications relay services via a
cellular connection





Introduction

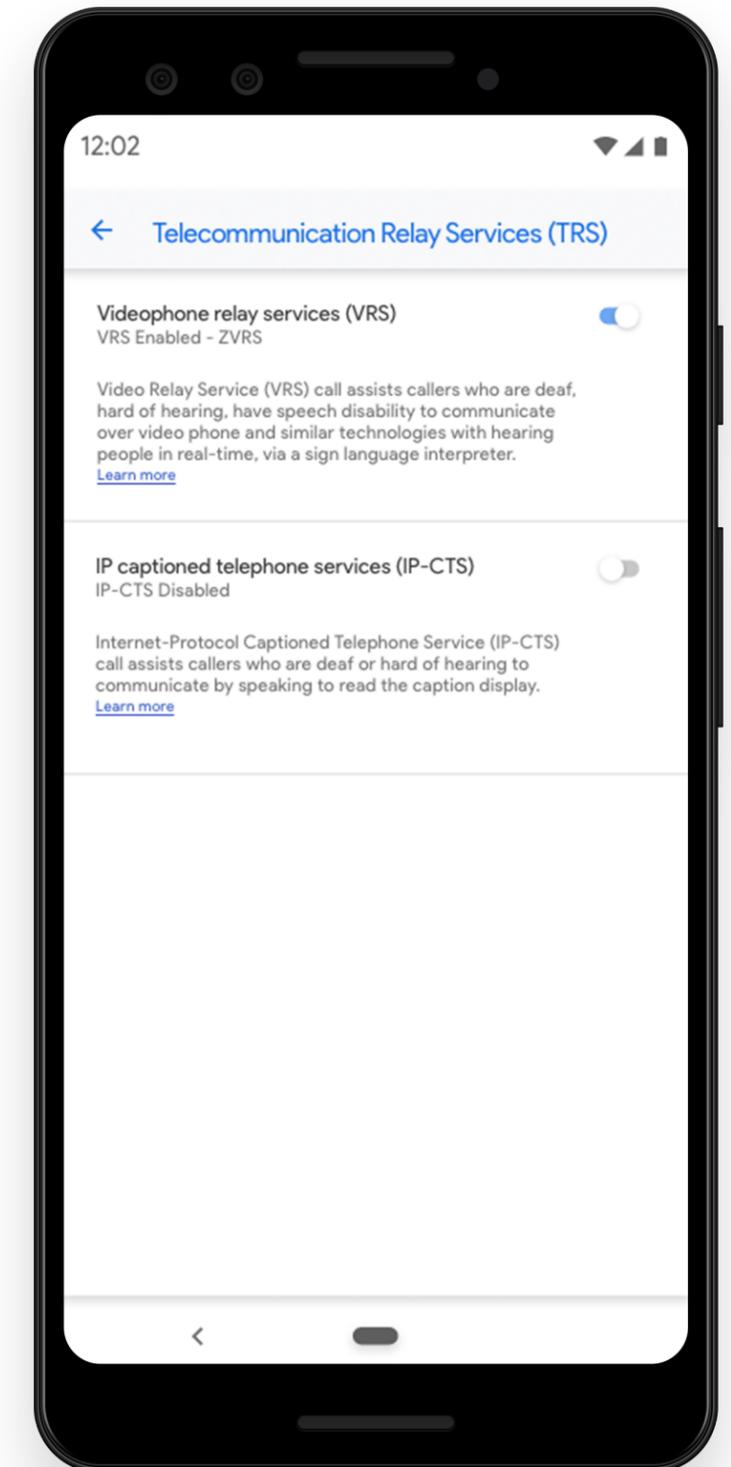
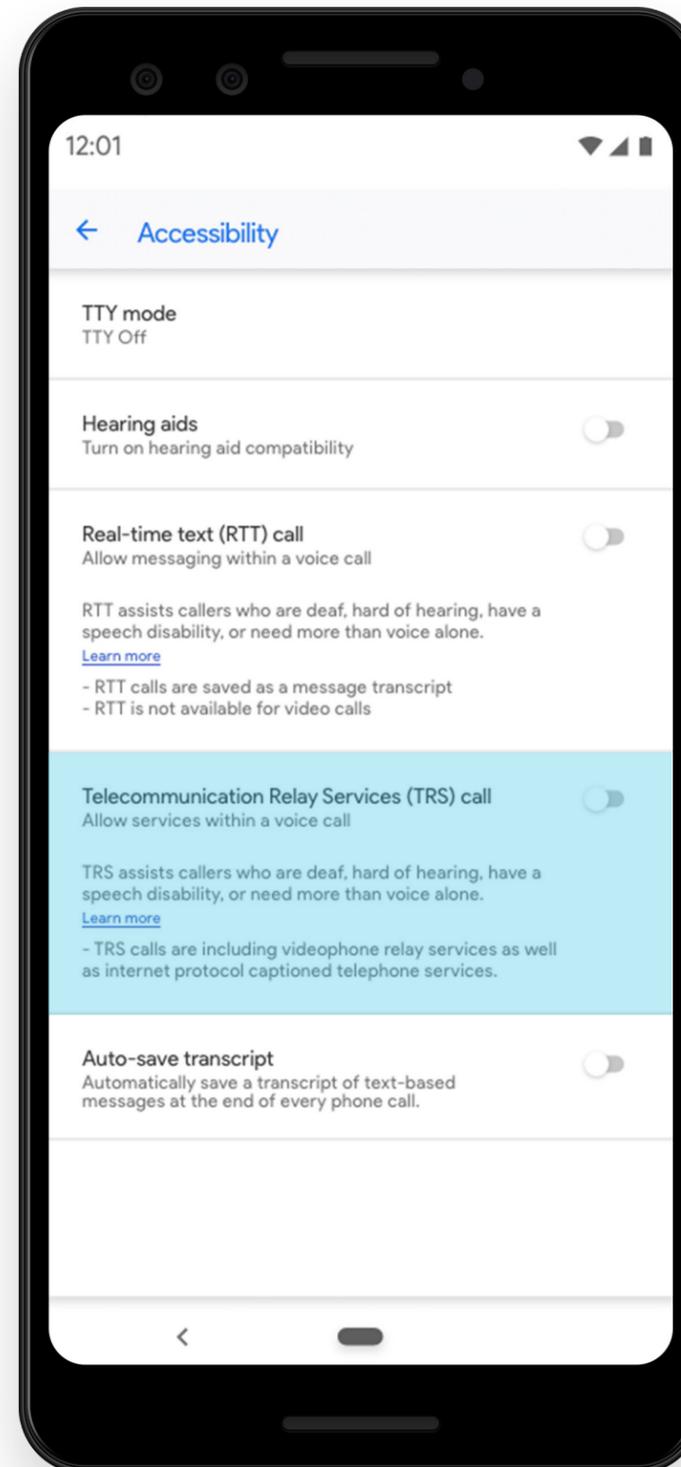
IRIS is developed by Rochester Institute of Technology's National Technical Institute for the Deaf, in collaboration with the MITRE Corporation, funded by the Federal Communications Commission. This vision is supported by the three leading national organizations of, by, and for the deaf and hard of hearing community: National Association of the Deaf (NAD), Hearing Loss Association of America (HLAA), and Telecommunications for the Deaf and Hard of Hearing, Inc. (TDI). These national organizations have long advocated for multi-modal TRS and ease of communication for Americans who are deaf and hard of hearing, and their hearing contacts.





Native Access to TRS Services

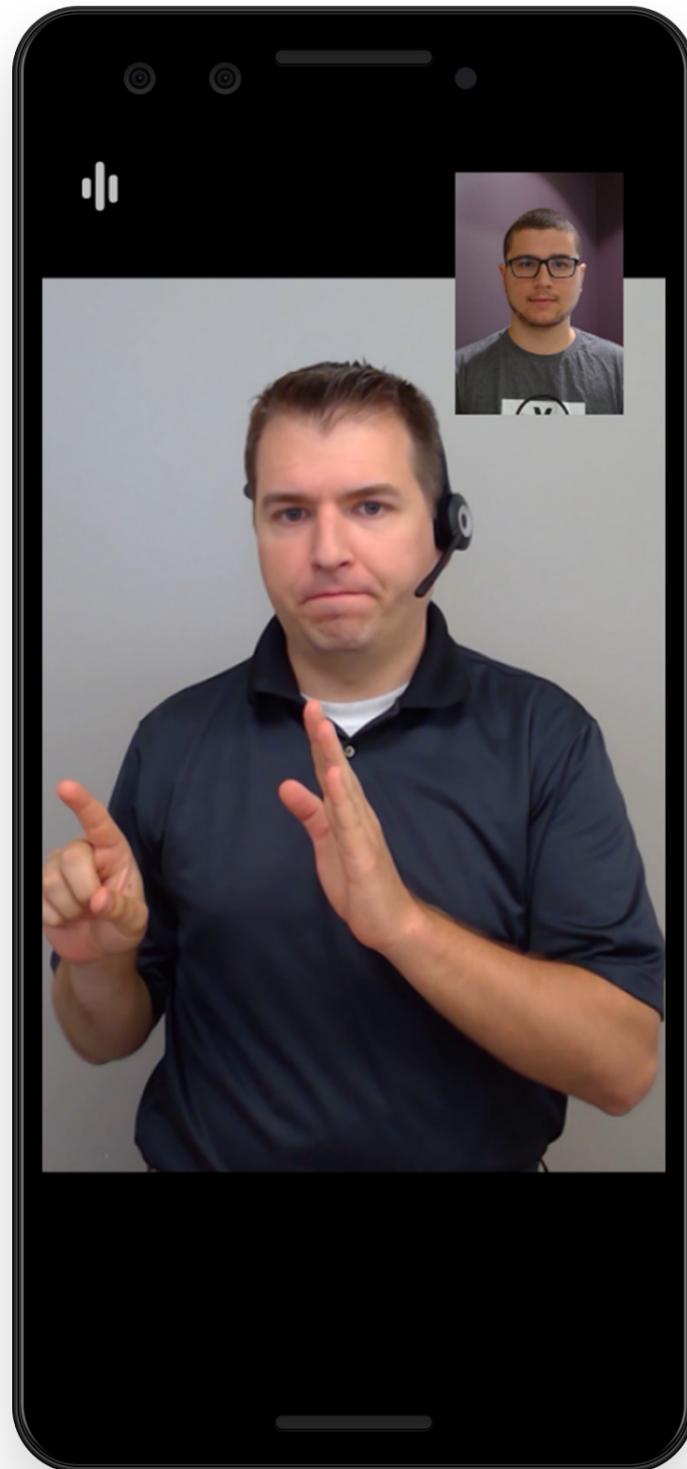
IRIS technology links cellular communication to Video Relay Services (VRS) and Internet Protocol Captioned Telephone Service (IP-CTS) services natively through the Settings menu of the device. Consumers can select the VRS and IP-CTS company of their choice through a drop down menu in the Accessibility settings.





IRIS addresses many consumer satisfaction needs

With IRIS, cellular communication services and over-the-top applications will be able to:

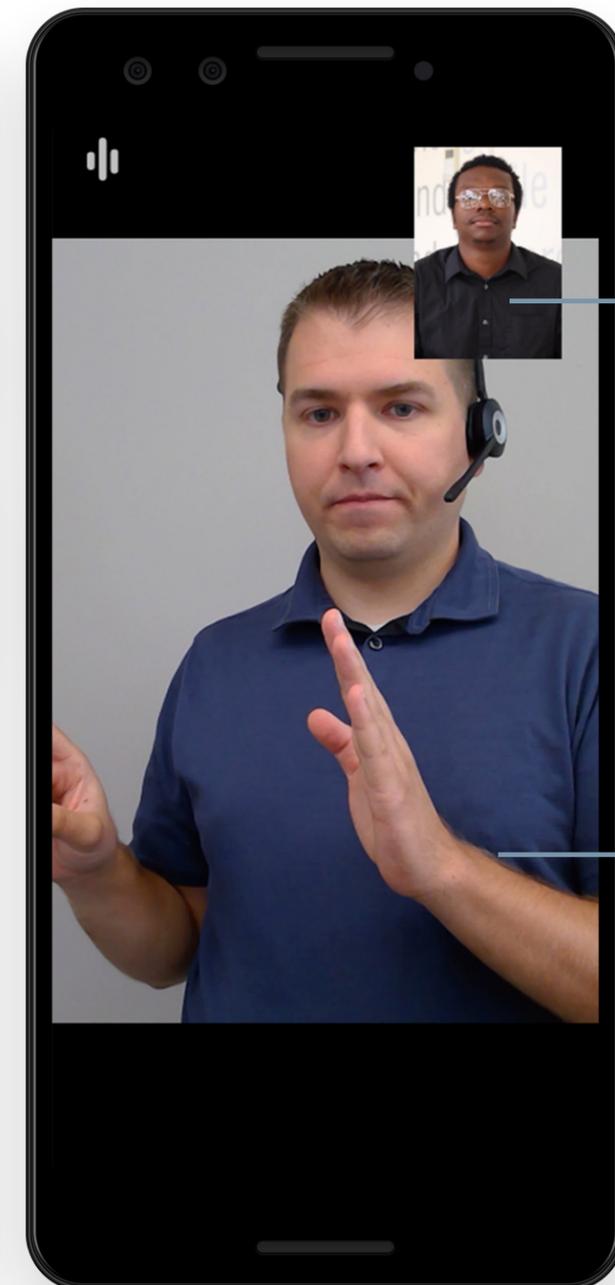
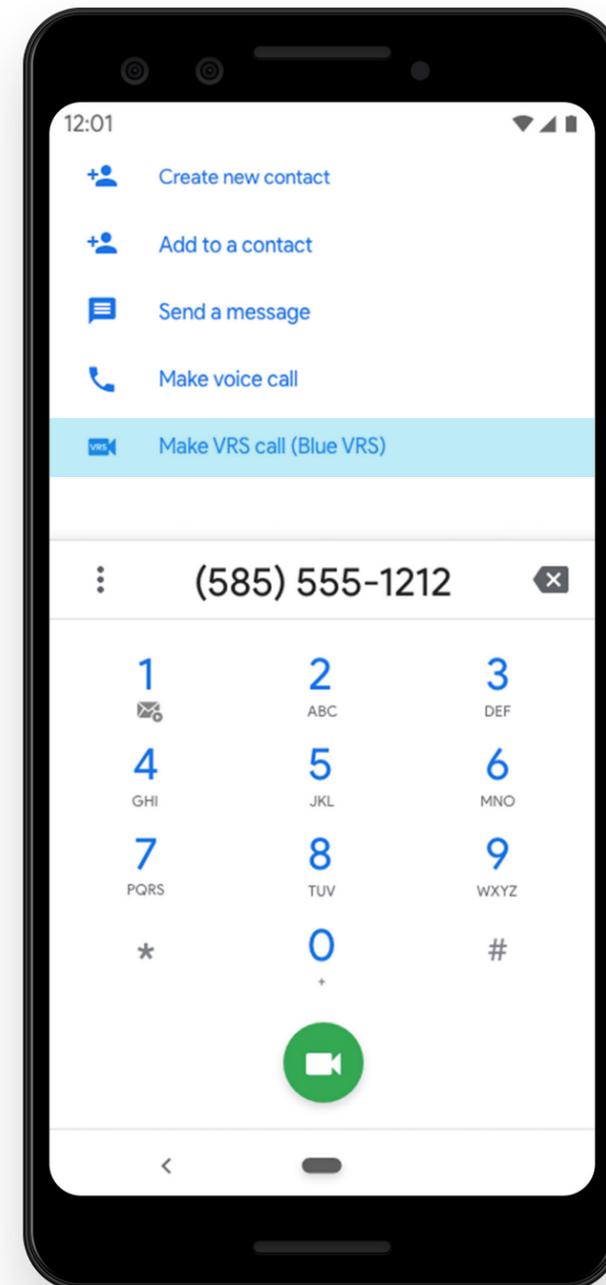


- Use one phone number to place a TRS call
- Offer industry standard video protocols for excellent video quality
- Minimizes missed calls resulting from use of multiple devices
- Reduce incompatibility between various apps and smart home devices
- Experience 911 calls through TRS providers with NextGen GPS tracking



IRIS technology connects via native video directly to VRS services

Consumers can select their preferred VRS service provider through the Settings menu of their cellular device. Individuals have complete control over VRS provider selection and have immediate use of said VRS provider with minimal delay, eliminating the need for multiple phone numbers.



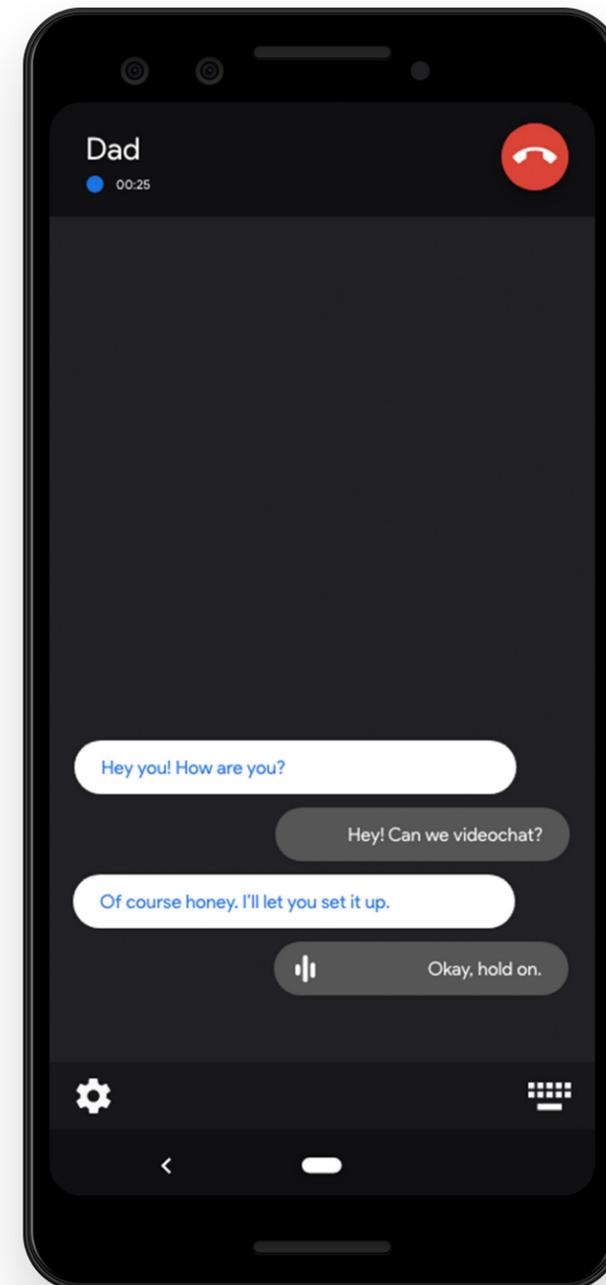
VRS calls can be made directly through the cell phone dialer



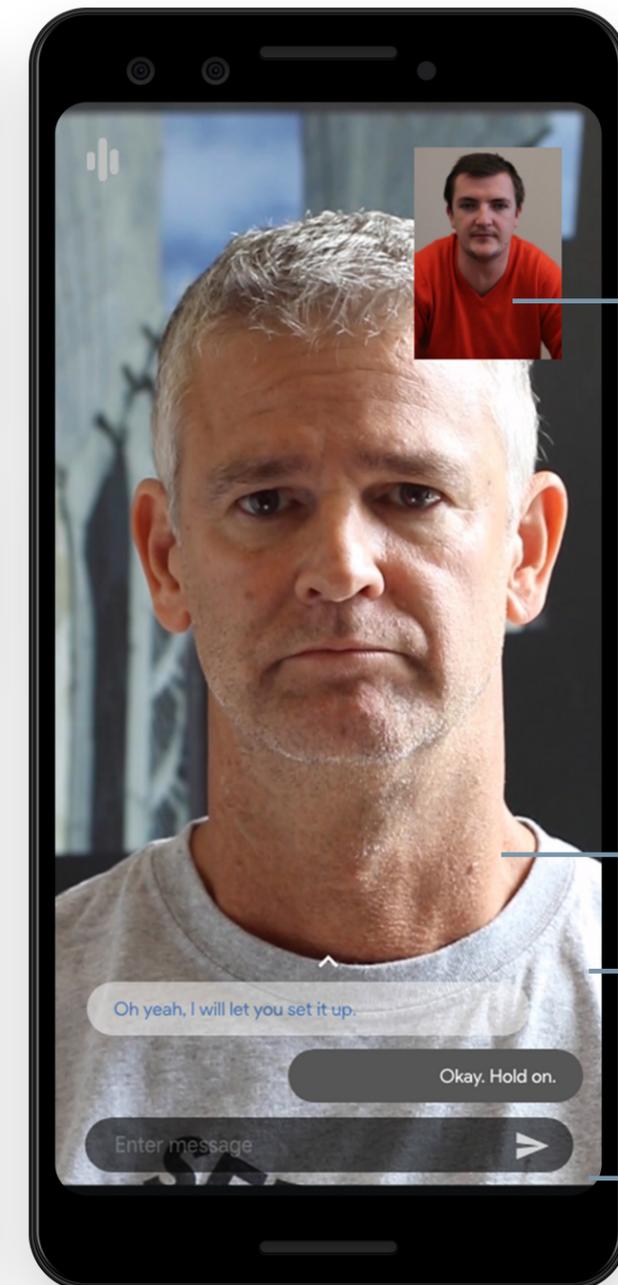
IRIS technology enables video calling using captioning services

Consumers can select their preferred IP-CTS service provider through the Settings menu of their cellular device.

Captions appear within the video call allowing the consumer to see the individual they are calling while receiving the support of captioning services during the call.



IP-CTS setting on the phone without video



Hard-of-Hearing person

Hearing person

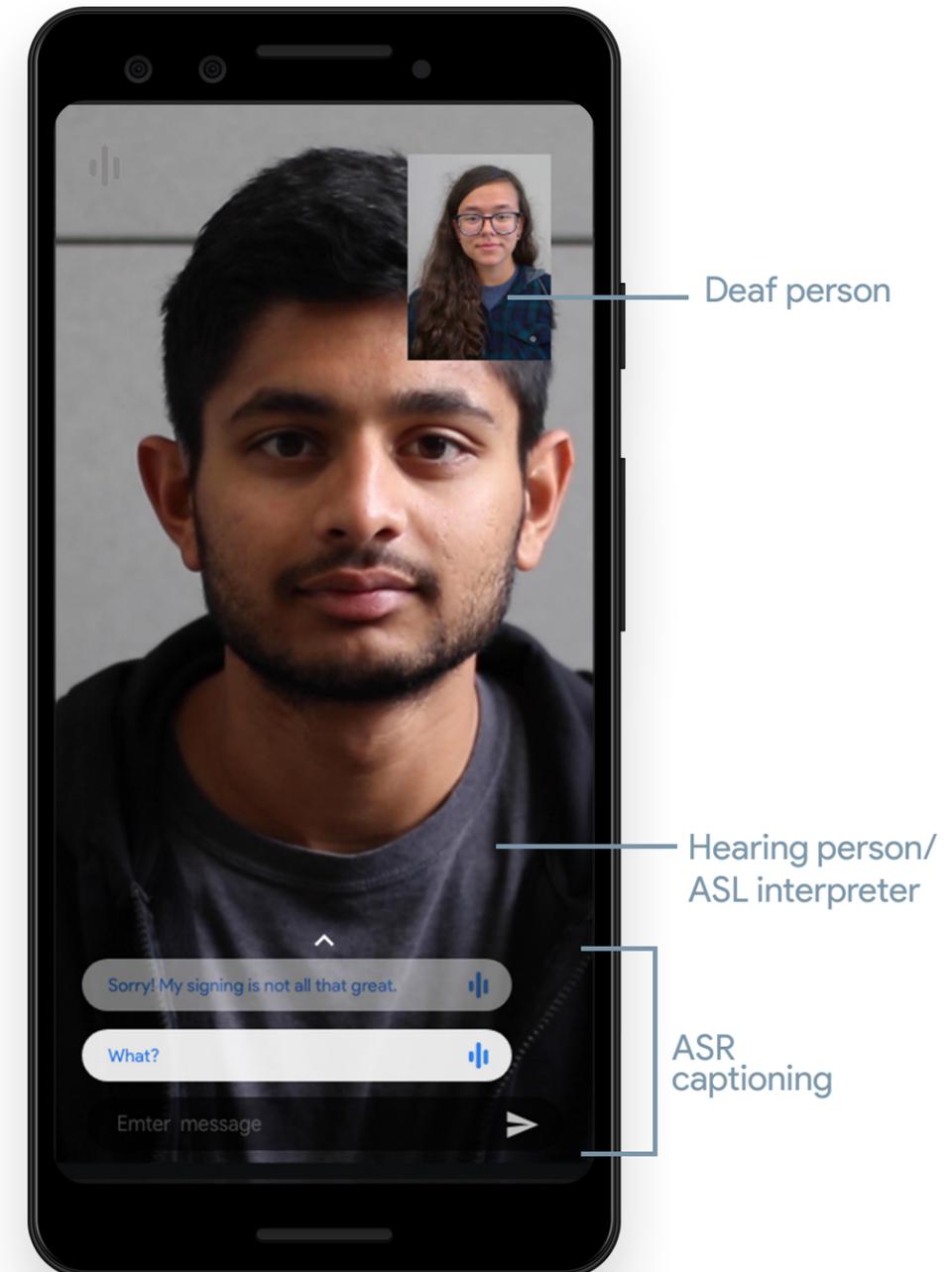
IP-CTS services

IP-CTS setting on the phone with video



IRIS technology allows Automated Speech Recognition captioning during a video call

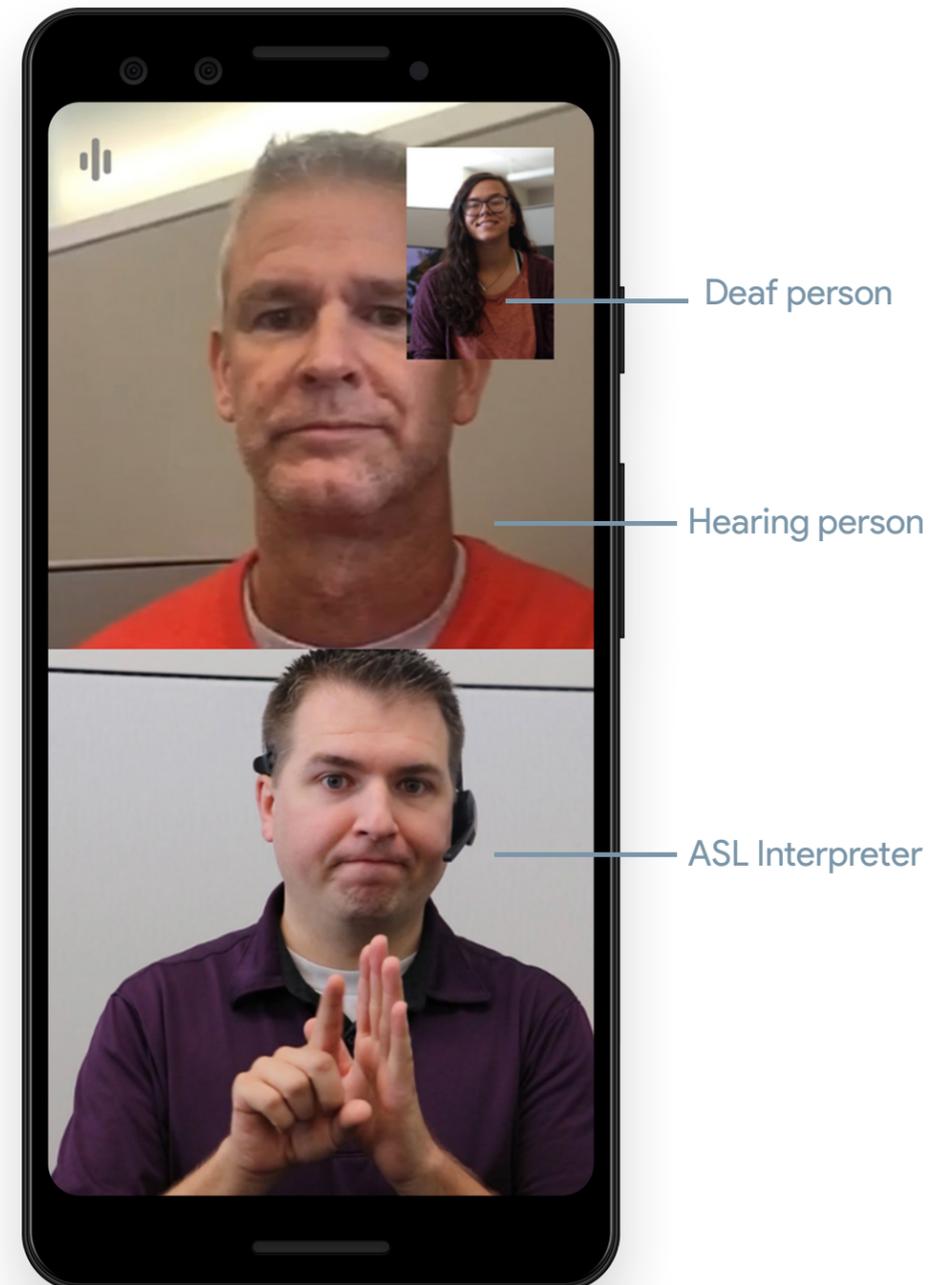
Individuals can enable automated speech recognition captioning with VRS services. By choosing Automated Speech Recognition (ASR) captions during VRS supported calls, users have access to audio transcripts in addition to receiving ASL interpretation during the phone call.





IRIS technology enables three-way video calling

Deaf and hard-of-hearing individuals can see both the video relay interpreter and the user on the other end of the call.



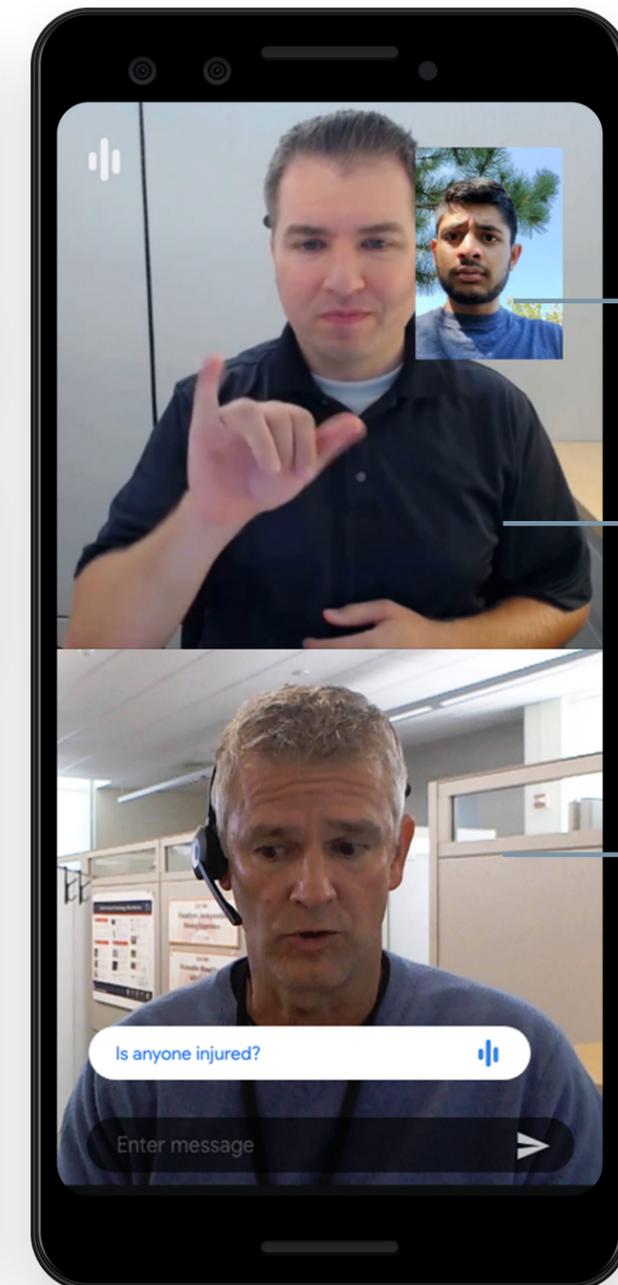


IRIS technology connects directly to enhanced 911 emergency centers

IRIS technology enables consumers to call 911 directly from their device with VRS and IP-CTS services joining an emergency call already in progress. Emergency dispatchers can use NextGen GPS location services, native on the device, and can enable ASR captioning to facilitate communication with the caller until VRS or IP-CTS services are able to connect.



Immediate Response



VRS interpreter joins the 911 call already in progress

Deaf person

ASL Interpreter

911 Dispatcher

RIT | National Technical Institute for the Deaf
Center on Access Technology

MITRE

Research funded by  Federal Communications Commission

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For more information about IRIS, please contact the National Technical Institute for the Deaf at cat@rit.edu