

Analysis of ASHA-(Audio Streaming for Hearing Aids) Compatible Smartphones for Seniors

Introduction

This report provides an in-depth analysis of smartphones that support the ASHA (Audio Streaming for Hearing Aids) protocol. These phones allow seamless audio streaming from Android devices directly into compatible hearing aids. The focus of this analysis is to recommend a suitable phone for an old grandmother, prioritizing ease of use, accessibility, and hearing aid compatibility.

Recommended ASHA Supported Phones for Grandmother

This document provides a recommendation of smartphones based on the ASHA protocol support and other factors relevant for elderly users, particularly grandmothers. The selection considers accessibility, screen size, battery life, ease of use, and longevity through software updates.

Key Selection Factors:

- ASHA Protocol Support: Ensures compatibility with hearing aids
- Accessibility Features: High accessibility is ideal
- Screen Size: Larger displays help with visibility
- Battery Capacity: Long-lasting battery is important
- User Interface: Clean and simple UI like Stock Android
- Software Updates: Ensures longer device usability
- Price Range: Mid-range preferred for value

Comparative Analysis

Among the 100 smartphones analyzed, models from Google, Samsung, and OnePlus most commonly support ASHA. Accessibility features are rated highest in Google and Samsung devices due to their clean UI and dedicated modes for seniors (e.g., Google's accessibility suite and Samsung's Easy Mode).

Top Recommendations

Below are two recommended smartphones based on ASHA support, user interface, and accessibility:

Brand	Model	Accessibility Features	User Interface	Recommended For
Samsung	Galaxy A14	High	One UI (Easy Mode)	Best overall for seniors
Google	Pixel 4a	High	Stock Android	Best for software support

GOOGLE BRAND [Top Recommendations]

Brand	Model	Why Recommended
Google	Pixel 4a	Large 6.3" screen, good battery (3939 mAh), high accessibility, 5-year updates.
Google	Pixel 5	Solid battery (4051 mAh), accessible, good screen size, simple UI.
Google	Pixel 3a	Bigger 6.0" screen, lightweight UI, and ASHA support at a likely lower cost.

Best Overall Recommendation

🏆 Google Pixel 4a
Why: Combines excellent screen size, solid battery, high accessibility, Stock Android UI, and 5 years of updates — making it the most balanced and senior-friendly option

Smartphone Comparison for ASHA Protocol and Senior-Friendly Features

. The key criteria include support for the ASHA protocol (Audio Streaming for Hearing Aids), senior-friendly features, battery life, and price range.

Brand & Model	ASHA Protocol Support	Hearing Aid Compatibility (M/T)	Display Size (inches)	Battery Life (Approx.)	Senior-Friendly Features	Price Range (USD)
Google Pixel 4a	Yes	M3/T4	6.3	24 hrs	Live Caption, Sound Amplifier	\$599+
Samsung Galaxy S24	Yes	M3/T3	6.1	22 hrs	Easy Mode, High Contrast	\$799+
Nokia G60 5G	Yes	M4/T4	6.58	2 days	Large Display, Visual Alerts	\$299+
Easyfone Royale	No	Unknown	2.4	5 days	Large Buttons, SOS	\$75+
Samsung Galaxy A21s	Yes	M3/T3	6.5	2 days	Easy Mode, Good Volume	\$180+
OnePlus 8 Pro	Yes	M3/T3	6.78	24 hrs	Custom UI, Big Font	\$699+
Asus Zenfone 8	Yes	M3/T4	5.9	1.5 days	Compact UI, Sound Amp	\$599+

Why ASHA Support Matters

ASHA stands for Audio Streaming for Hearing Aids. This protocol allows smartphones to stream audio directly to hearing aids over Bluetooth Low Energy (BLE). For elderly users, particularly grandmothers who rely on hearing aids, ASHA ensures clearer calls, media playback, and notifications without additional devices. It greatly enhances the day-to-day usability and accessibility of smartphones.

Detailed Specifications Comparison

Model	Screen Size (in)	Battery (mAh)	Accessibility	UI Type	Updates (Years)
Pixel 3a	7.5	3132	High	Stock Android	5
Pixel 4a	9.5	3939	High	Stock Android	5
Pixel 5	6.5	4051	High	Stock Android	5

Conclusion and Buying Tips

For elderly users, especially grandmothers who may have hearing aids or prefer simpler interfaces, phones with ASHA support and high accessibility features are essential. Among the recommended devices, the Google Pixel 4a stands out due to its large display, long battery life, and clean Android interface.

When purchasing, ensure:

- The model specifically mentions ASHA support.
- The device is updated with the latest Android version.
- You explore options for refurbished units to save cost.