

**SOLVENCY.**

**BIO INNOVATION.**

**TECHNOLOGY.**

# Price Transparency

*Would only result in:*

**0.1% - 0.7%**

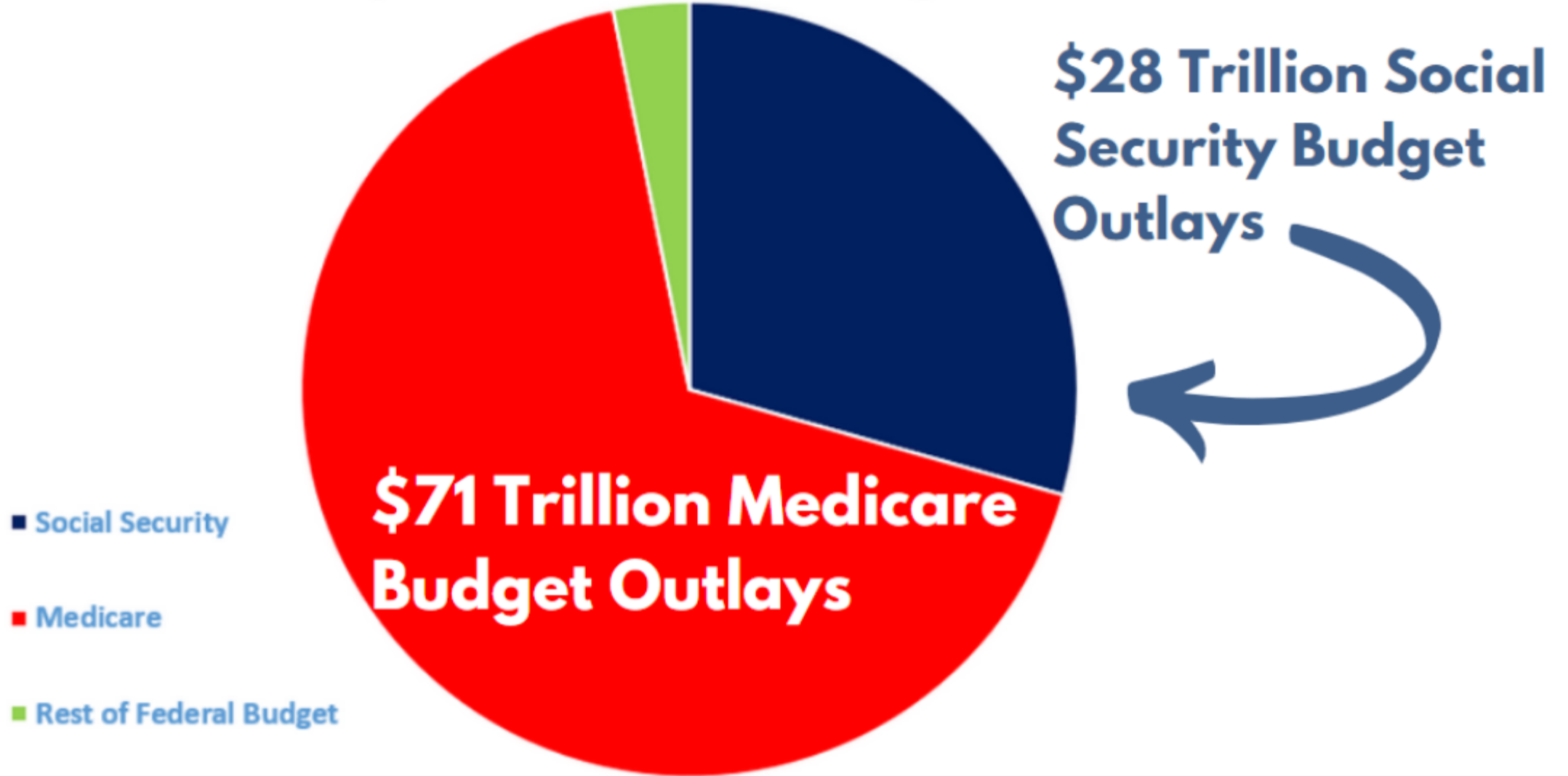
*percent decrease in national health spending*

ARIZONA'S 6TH DISTRICT  
CONGRESSMAN DAVID SCHWEIKERT

**Source:** Liu, Jodi L., Zachary M. Levinson, Nabeel Shariq Qureshi, and Christopher M. Whaley, Impact of Policy Options for Reducing Hospital Prices Paid by Private Health Plans. Santa Monica, CA: RAND Corporation, 2021. [https://www.rand.org/pubs/research\\_reports/RRA805-1.html](https://www.rand.org/pubs/research_reports/RRA805-1.html).

# 30 YEAR DEFICIT

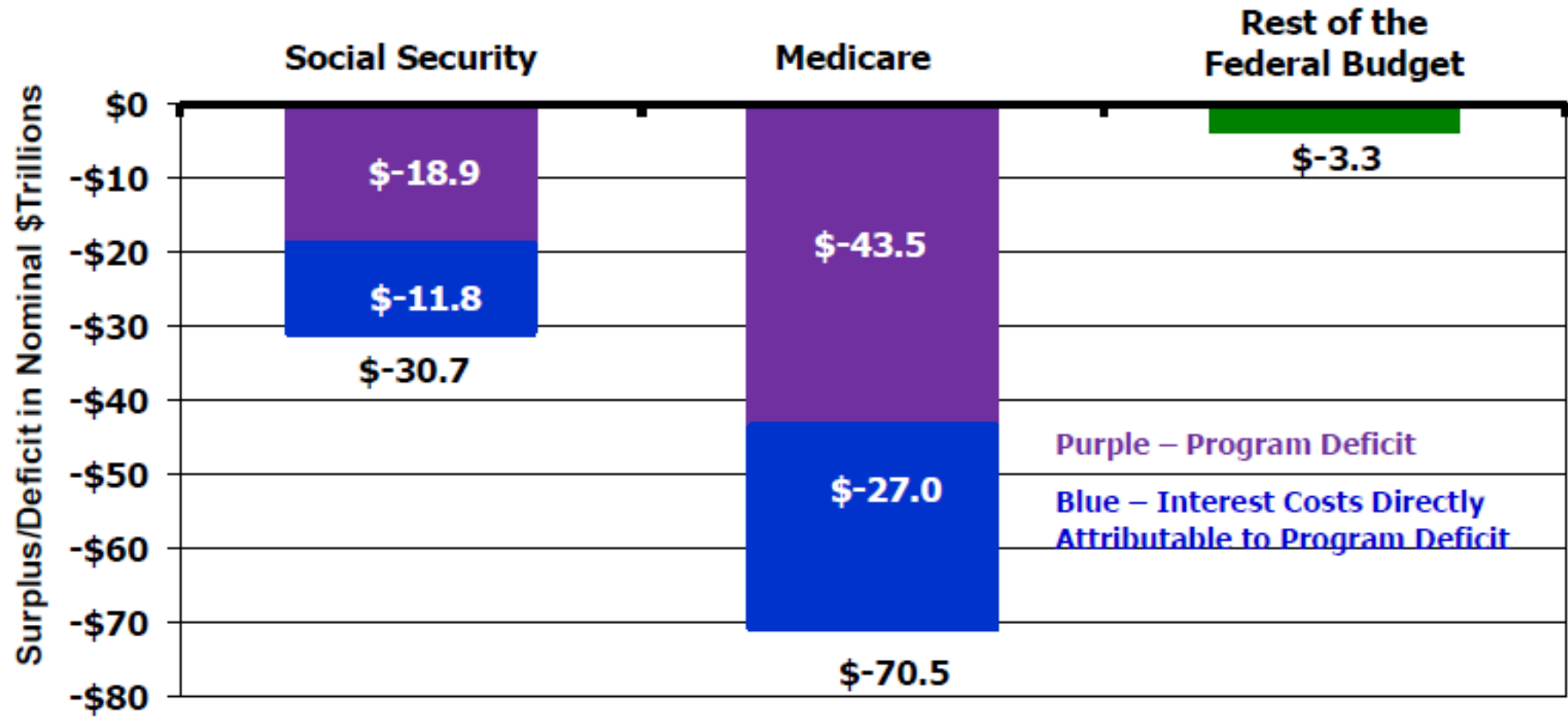
Social Security and Medicare  
Comprise 96.8% of the 2020-2050 Budget Deficit



# What is Causing \$104 Trillion 2020-2050 Budget Deficit?

## Social Security & Medicare: \$101 Trillion Deficit

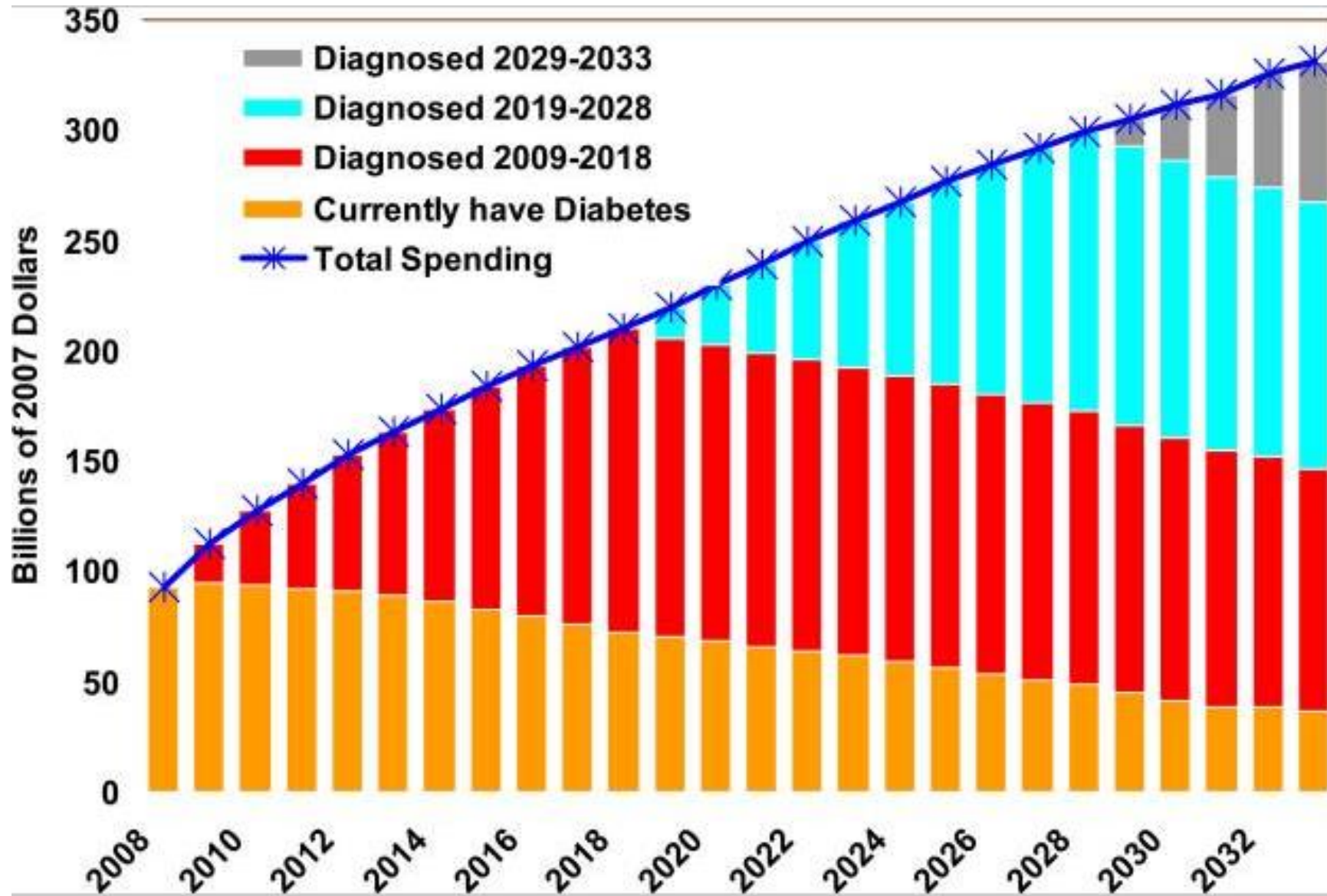
### The Rest of the Budget: \$3 Trillion Deficit



Source: Calculations from CBO 2020 Long-Term Budget Outlook. To inflation adjust, trim amounts by one-third.  
 Note: Social Security & Medicare deficits are the benefits that must be paid from general revenues because payroll taxes, premiums, and other non-interest trust fund revenues are insufficient. CBO assumes full benefits will continue even after trust fund insolvency.

Published by: Brian Riedl (@Brian\_Riedl),  
 Manhattan Institute ([www.manhattan-institute.org](http://www.manhattan-institute.org))

# Projected direct spending on diabetes and its complications for different cohorts, 2008–2033.



Source: Huang ES, Basu A, Capretta JC, et al. : Federal cost estimates: a look at how a clinically-driven projection model for diabetes could inform budget estimates and decisions. Health Affairs 2009; 28: w978–w990

# U.S. Diabetes Spending

**31 %**

*Of Medicare spending is diabetes*

**1 IN 4**

*Health care dollars spent in the U.S*

**33 %**

*Medicare beneficiaries with diabetes*

**67 %**

*of the \$327 billion spent on diabetes is by  
government insurance in 2017*



# QALYs AROUND THE WORLD



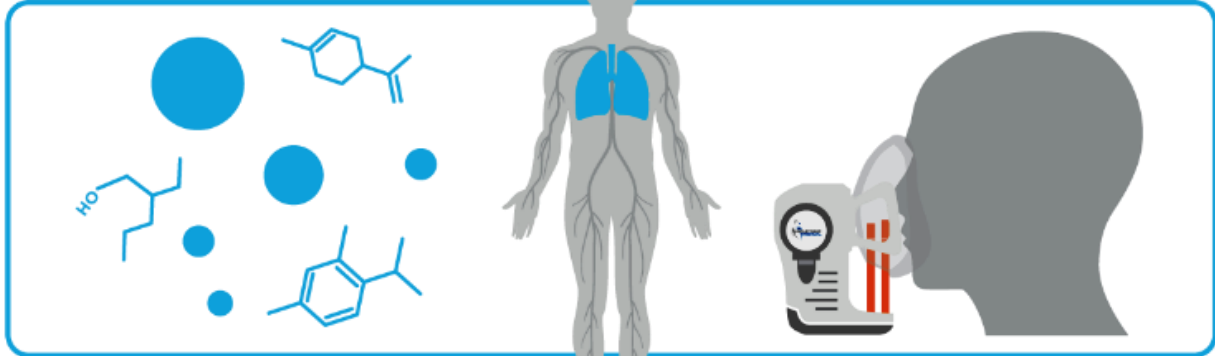
Sources: Wall Street Journal, ICER, NICE, NCPE, IQWiG, GLOBAL HEALTH ACTION, WHO

# Owlstone Medical

non-invasive breath biopsy



BREATH BIOPSY IS SUITED TO DIVERSE APPLICATIONS

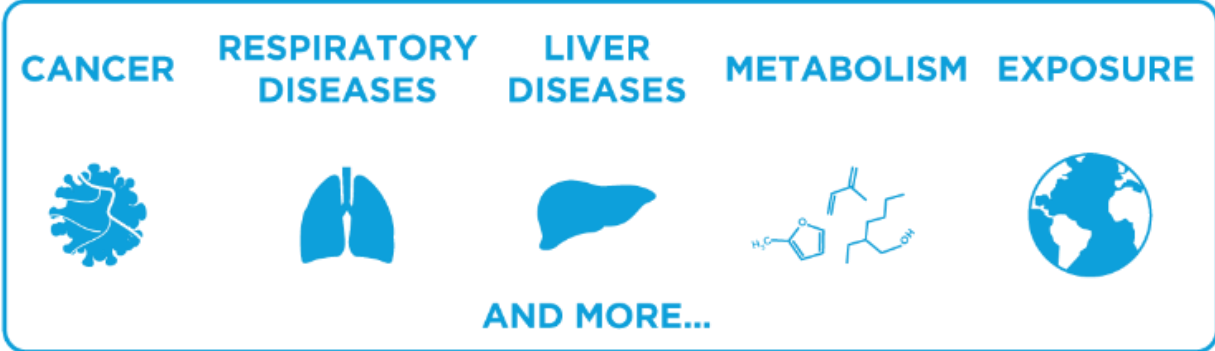


APPLICATIONS

EARLY DETECTION



PRECISION MEDICINE



Source: owlstonemedical.com



## BREATH BIOMARKERS USED TO RECOGNIZE EVERYTHING FROM COVID-19 AND PNEUMONIA TO MULTIPLE TYPES OF CANCER



# SNIFFPHONE

Smart Phone for Disease Detection from Exhaled Breath



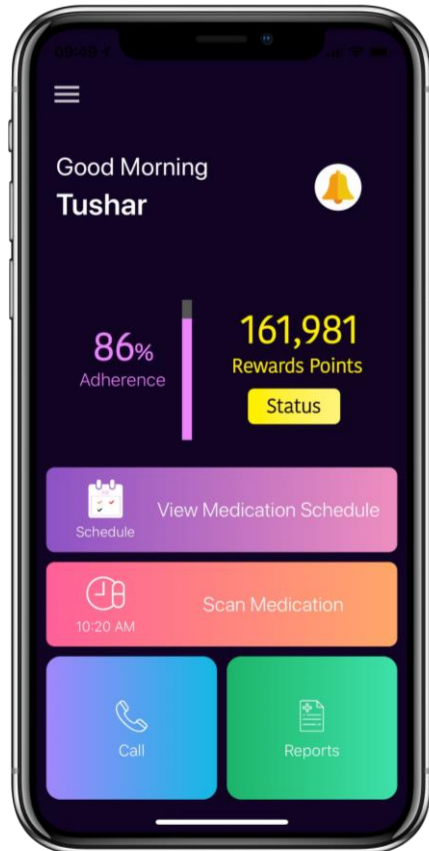
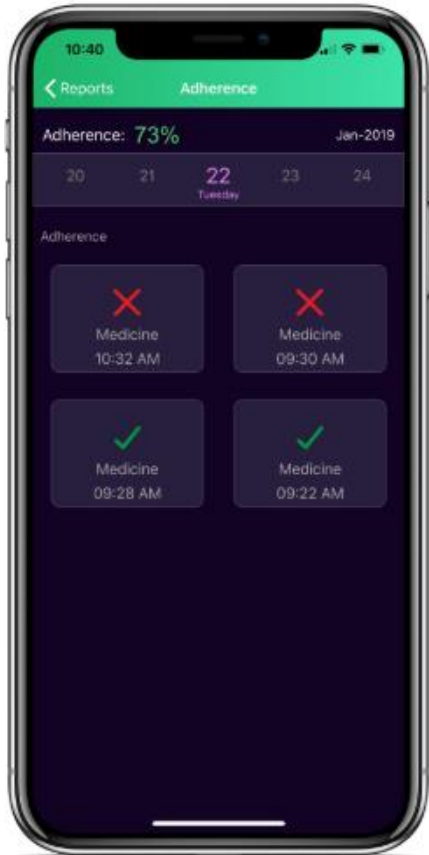
Source: <https://www.sniffphone.eu/>

# Visby Medical

RAPID AND LAB QUALITY PCR TESTING



# NOT TAKING YOUR PRESCRIPTION IS **EXPENSIVE**



**\$528B PER YEAR**  
**16% OF TOTAL US HEALTH  
CARE EXPENDITURES**



Source: <https://www.cuehealth.com/what-is-cue>

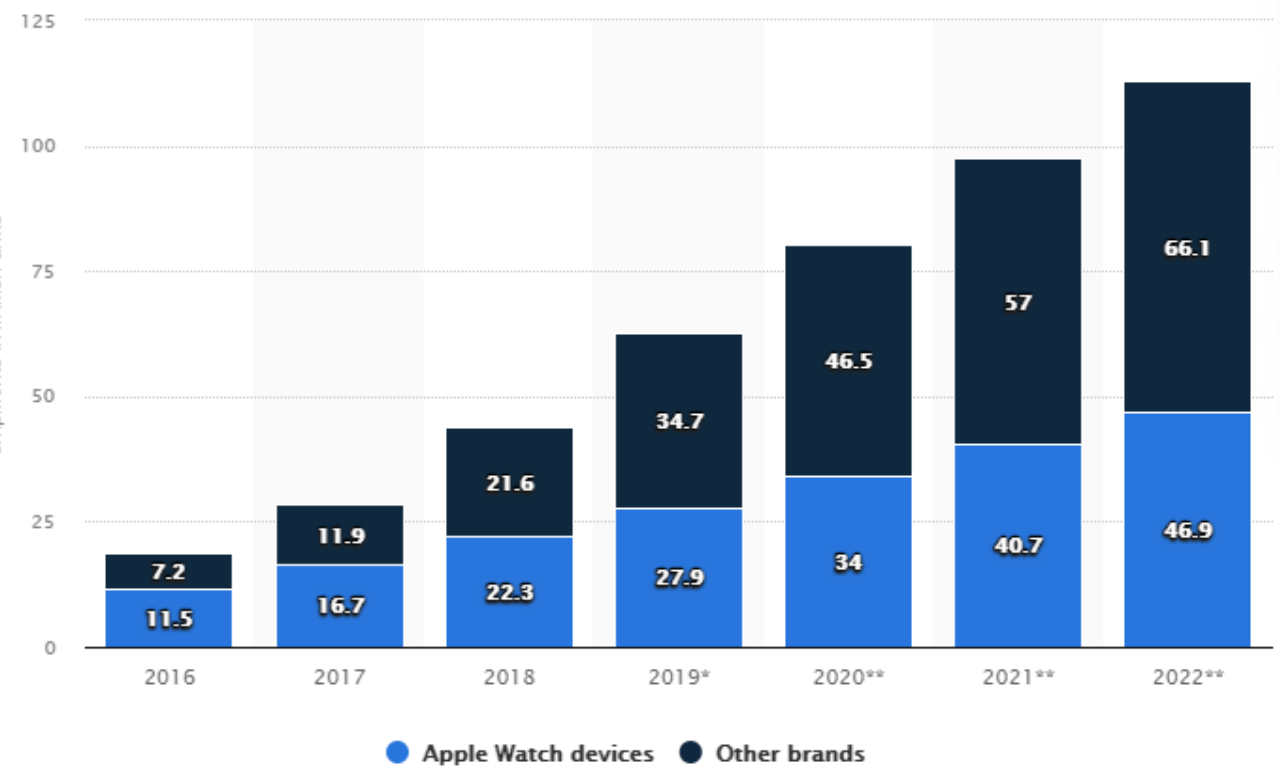
Source(s): dayamed.com ;

Cost of Prescription Drug-Related Morbidity and Mortality, UC San Diego



# Smart Watch Capabilities

- Remote Monitoring
- Body Temperature
- Blood Sugar
- Blood Oxygen Saturation
- Heart Health Monitoring
- EKG





# A DOCTOR'S VISIT AT A PATIENT'S FINGERTIPS



Source: medwand.com





# ADVANCED SAFE TESTING AT RESIDENCE TELEHEALTH ACT (A START)

Enable the full capabilities for delivery of telehealth, diagnostics, and patient monitoring.

- **ARTIFICIAL INTELLIGENCE**
- **MACHINE LEARNING**
- **SOFTWARE AS A MEDICAL DEVICE (SAMd)**
- **PATIENT WEARABLES**

*MEDICARE ADVANTAGE DEMONSTRATION*

*MEDICAID DEMONSTRATION*

*DEPARTMENT OF VETERANS AFFAIRS  
PILOT PROGRAM*

# Prescription Drug Adherence Technology



pillO