NEW FRONTIERS IN CAMPUS BIO-SAFETY

INNOVATIONS TO INTERDICT COVID-19 & OTHER AIRBORNE INFECTIOUS DISEASES

Presented by Terrence Wickham

Chief Executive: AudioPass Africa

24th August 2022

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A more accurate, more convenient, immediately available, and less costly solution for Covid-19 interdiction & diagnosis.

Provides an objective and scientifically valid model for safe and secure workplace access.

Offers numerous Use-Case Permutations & Applications.

Competitive Pricing & Comprehensive Pricing Constructs.

Regulatory Insights & Timelines.

Biometric SoundPass

Audible HealthDx

Biometrically Activated Bio-Security Solution

An On-Demand Covid-19 Diagnostic Solution

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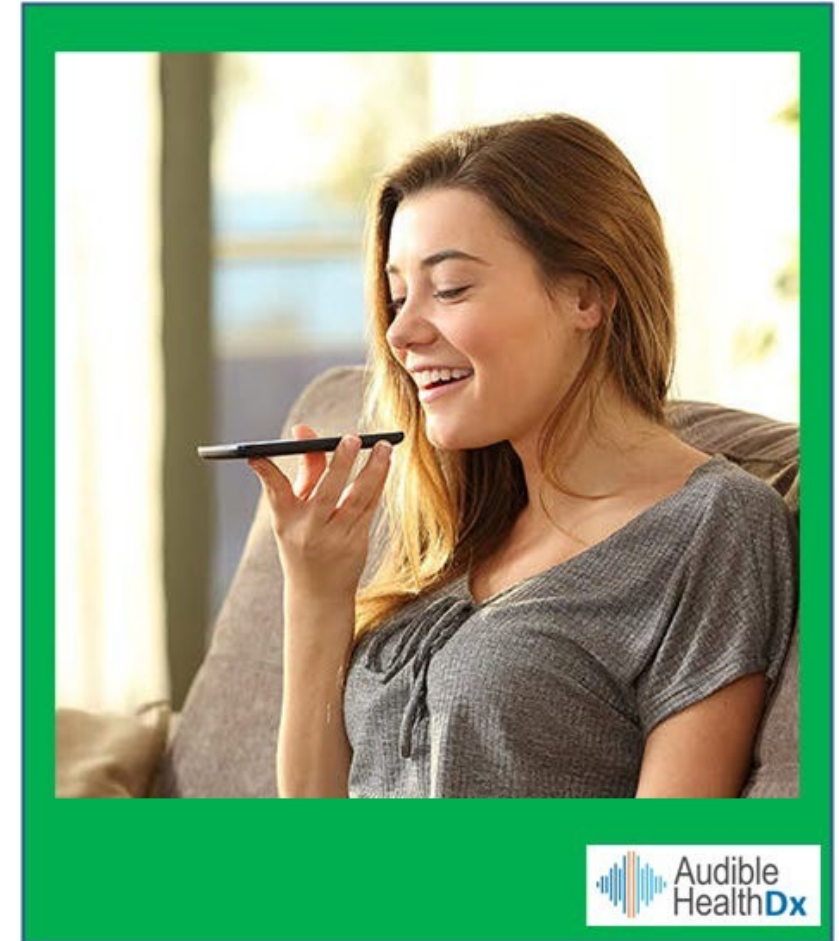Offers numerous Use-Case Permutations & Applications.

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The application of sophisticated Artificial Intelligence (AI) technology coupled with advanced Machine Learning (ML) algorithms deployed via smartphone apps, are the common underlying characteristics of both the SoundPass Plus™ and the AudibleHealth DX™ solutions. However, each of these solutions have a fundamentally different utility.

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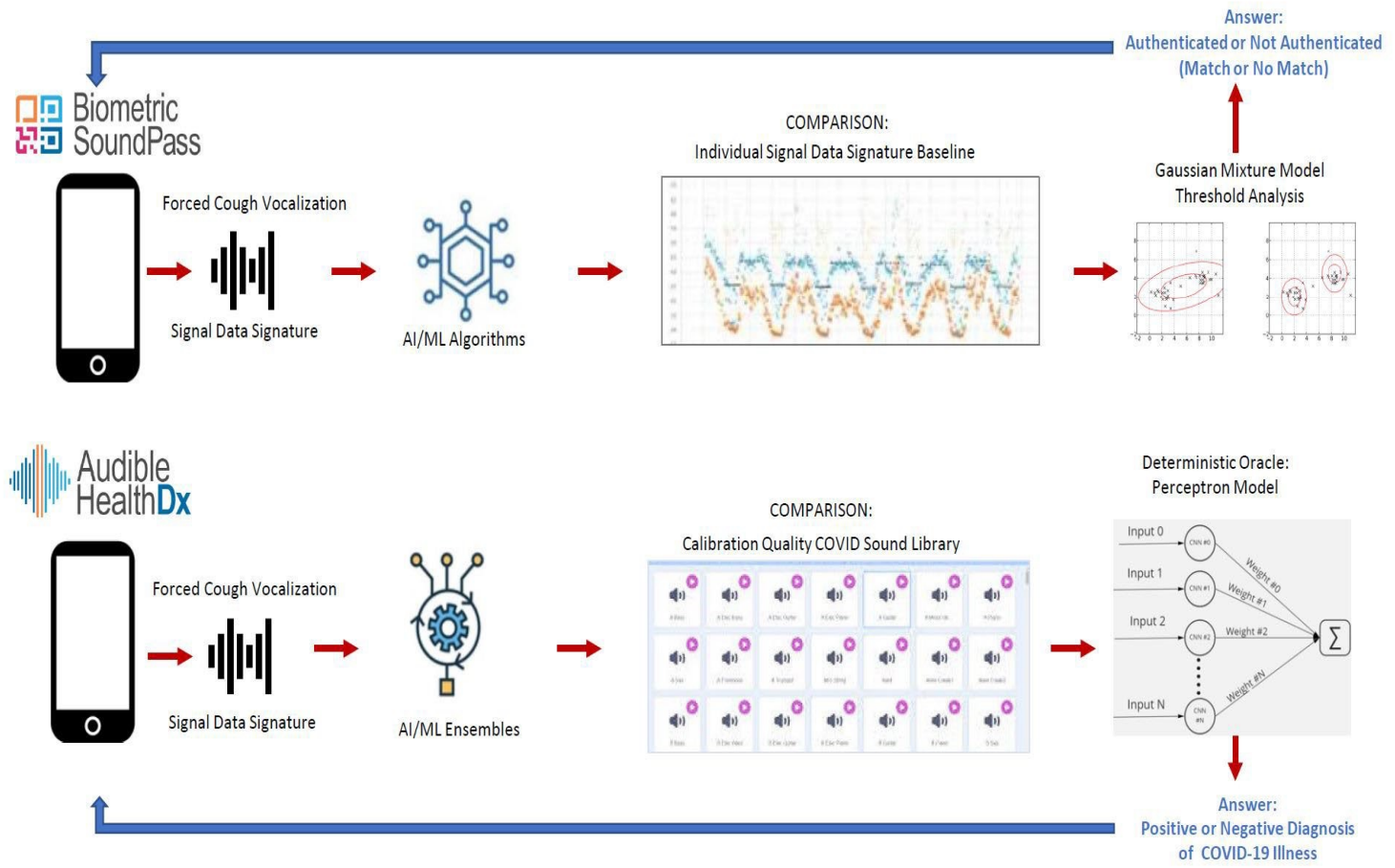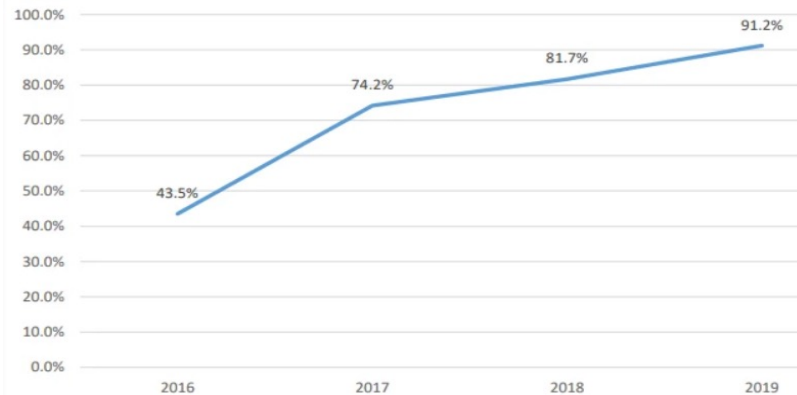Offers numerous Use-Case Permutations & Applications.

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According to the 2020 State of the ICT Sector report, put together by the Independent Communications Authority of SA (ICASA), SA's smartphone penetration reached **91.2% in 2019**, up from 81.7% in 2018.

ICASA recorded **53.4 million** smartphone subscriptions as at 30 September 2019, a few million shy of the country's total population size. South Africa's estimated population stood at 58.78 million, according to the 2019 mid-year population figure released by Statistics SA.

Source: ICASA

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A special subscription price is offered to PURCO members at just **R 290.00 (excl. VAT) per annum** per individual user (student or staff). Institutions can purchase subscriptions & recoup or carry the cost.

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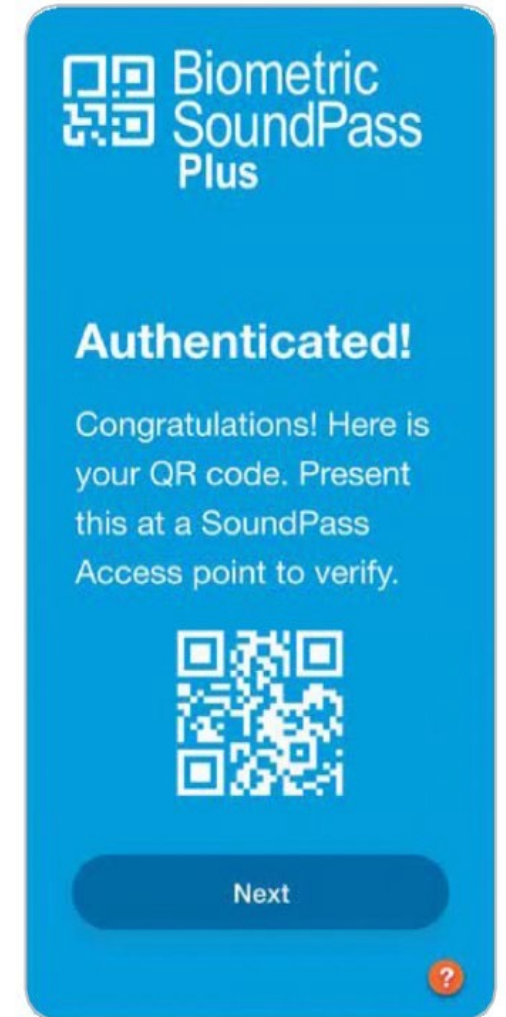
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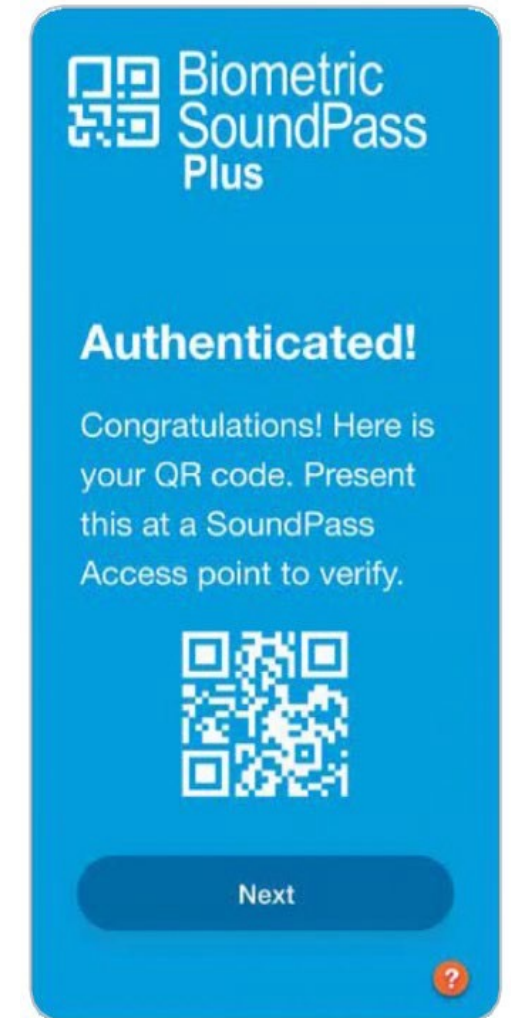
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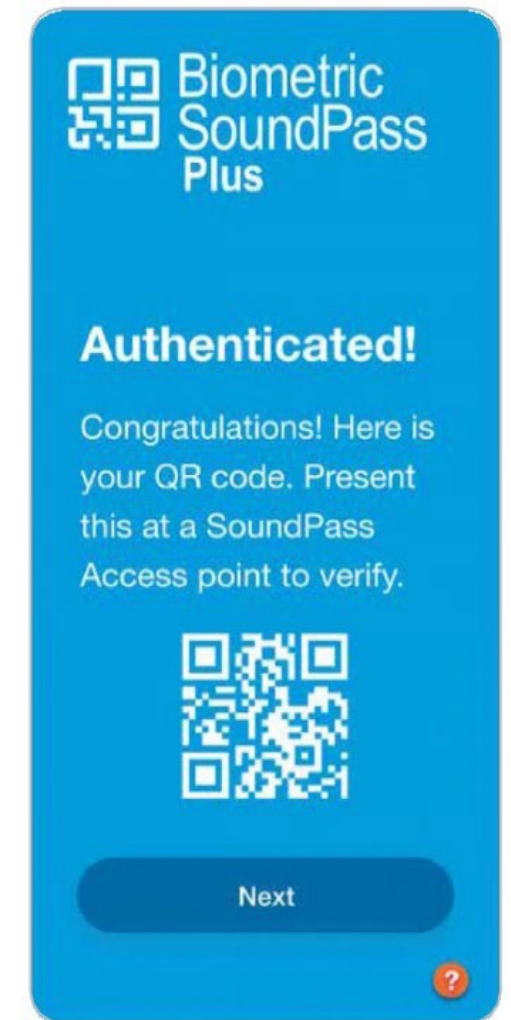
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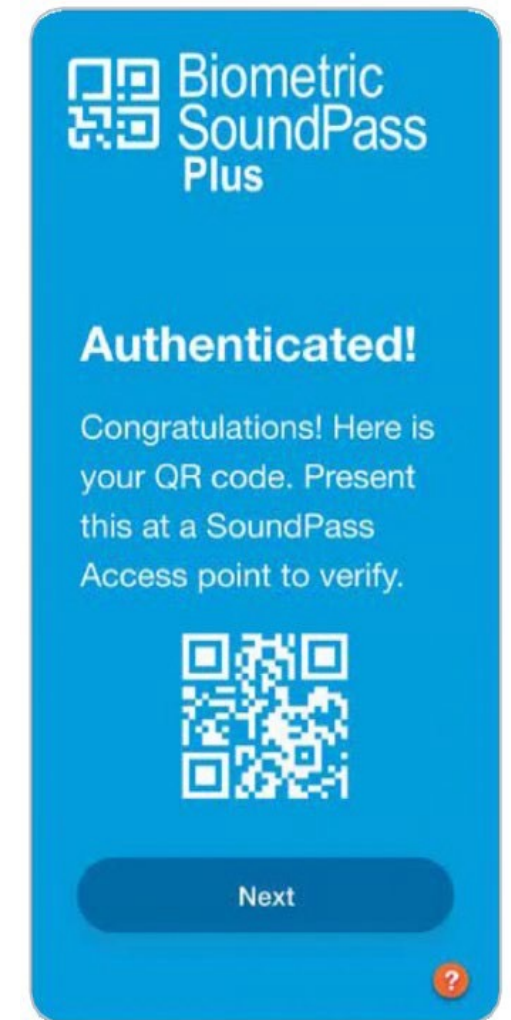
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A positive authentication indicates that SoundPass Plus™ has detected no changes when comparing the FCV to the baseline. If the FCV does not match the baseline, the service user receives a "Not Authenticated" message. Conditions resulting in a "Not Authenticated" message include exposure to pathogens, acute and chronic conditions and noxious agents. SoundPass does not diagnose or identify the reason for the mismatch.
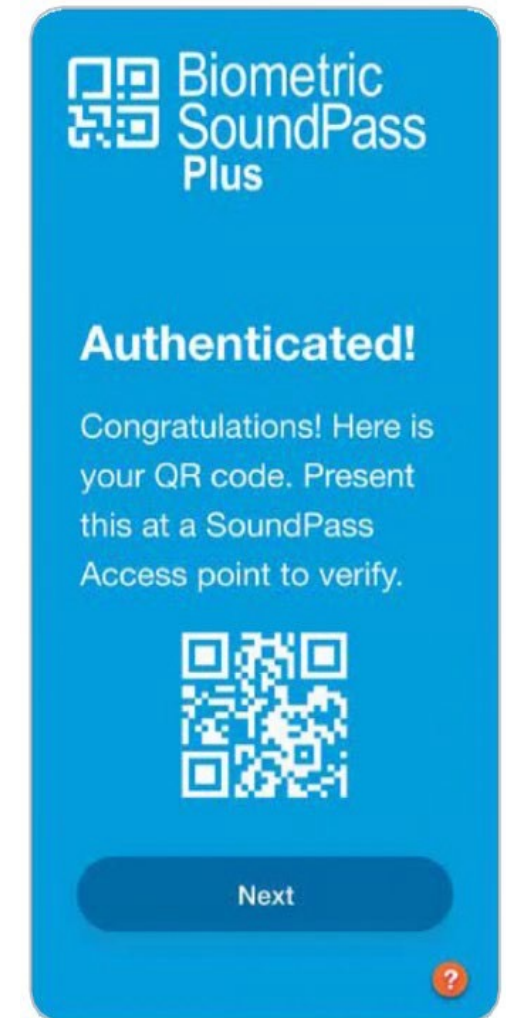
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Suitable venues for SoundPass Plus™ enabled perimeter protection extend to include, primarily university and college campuses, but also work-places, churches, or entertainment facilities such as restaurants or movie theatres, or schools, or gyms, or sports-stadiums, or minibus taxis, or aeroplanes …. or indeed any other location or venue one might possibly imagine, and where people gather in proximity to one another.

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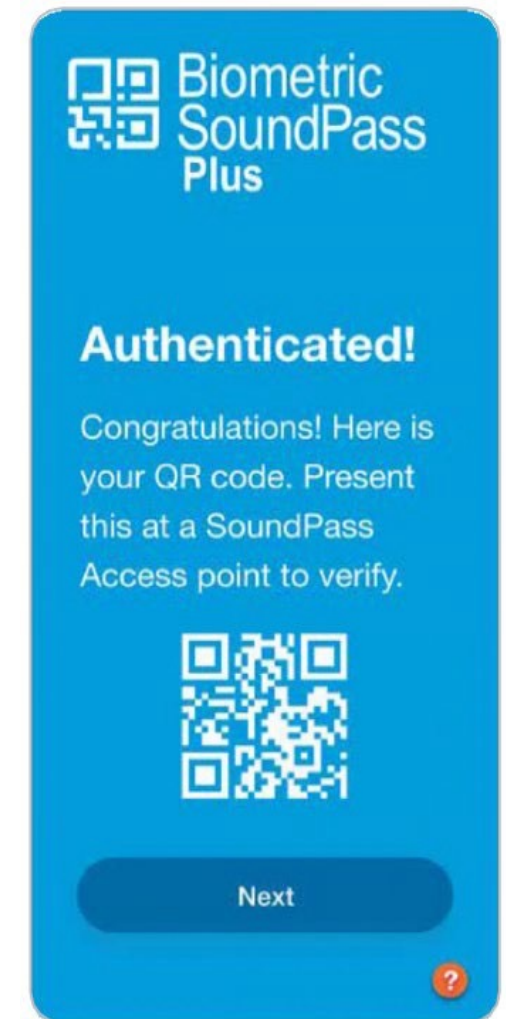
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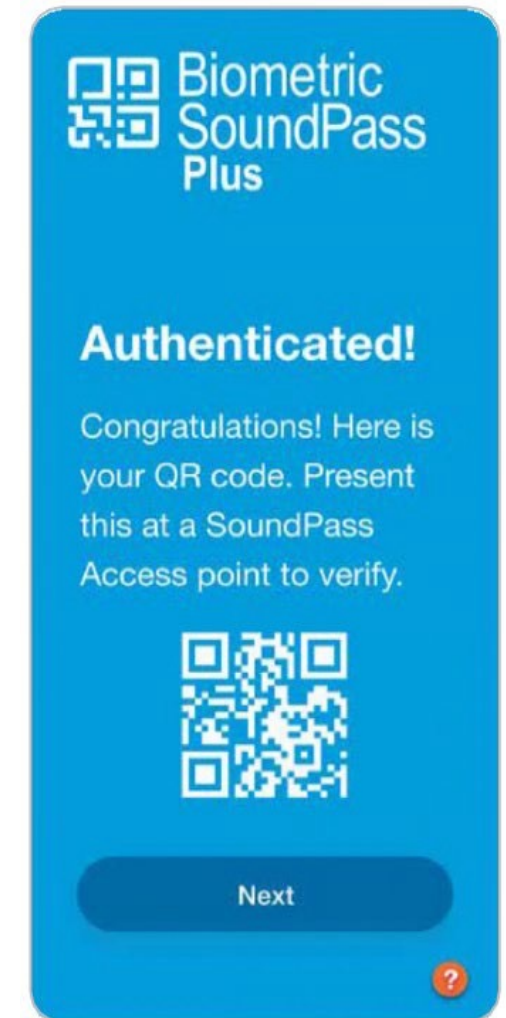
In the event of a negative outcome in response to the submission of an FCV by the user, this means that the submitted FCV is not consistent with the recorded 'baseline' and therefore cannot be authenticated and no QR-code for venue access / admittance can be issued. Under these circumstances the user can, thirty (30) minutes apart, submit a further two (2) FCV's for comparative assessment to their recorded 'baseline'.

Suitable venues for SoundPass Plus™ enabled perimeter protection extend to include, primarily university and college campuses, but also work-places, churches, or entertainment facilities such as restaurants or movie theatres, or schools, or gyms, or sports-stadiums, or minibus taxis, or aeroplanes …. or indeed any other location or venue one might possibly imagine, and where people gather in proximity to one another.

Issued QR-codes are easily read or scanned at venue entrances and can also be electronically transmitted quite easily to any pre-designated and/or pre-approved 3rd party Access Control Software Platforms, such as for example WizzPass.

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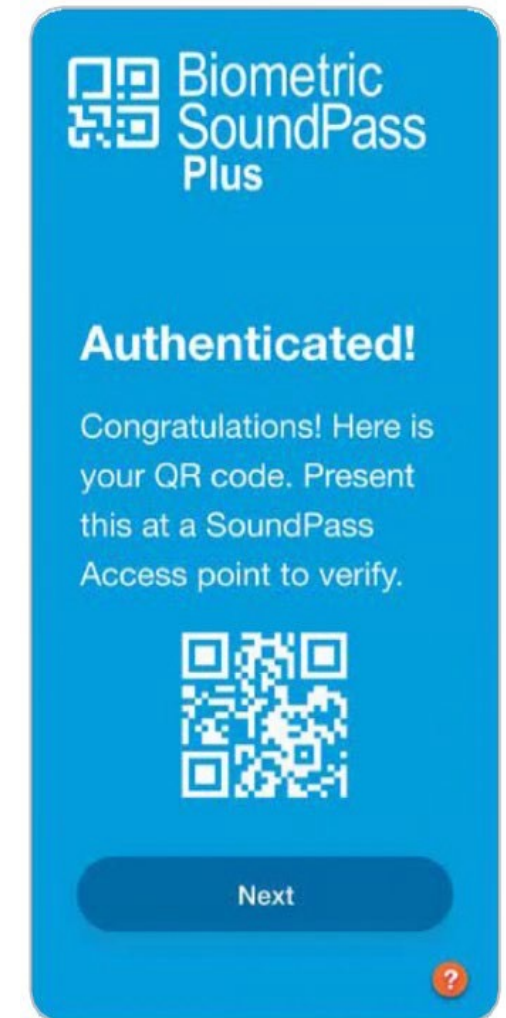
Users will be offered an AudibleHealth Dx™ Digital COVID-19 test if they fail three (3) authentication attempts when using SoundPass+™. It should be noted that SoundPass Plus™ is capable of making a determination of non-authentication even under asymptomatic conditions.

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A special price is offered to PURCO members at just **R 325.^{00} per test (excl. VAT).** Sold in 'buckets' of 500; 1,000,; 5,000 and 10,000 tests (with applicable volume discounts).

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AudibleHealth DX™ is intended as an Investigational Diagnostic Software as a Medical Device (Dx SaMD) to accurately diagnose acute and chronic illnesses, using AI/ML to analyse signal data signatures (SDS).

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Using a mobile app that can be installed on any smart cell phone, the user submits a forced cough vocalization and the AI/ML engine analyses the SDS recording.

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AudibleHealth DX™ accurately diagnoses COVID-19 in less than 2 minutes.

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AudibleHealth Dx™ is investigational diagnostic 'Software-as-a-Medical Device (Dx SaMD) with the intended use to diagnose acute and chronic illnesses, using AI/ML to analyse signal data signatures. This product has not yet been reviewed by the US FDA and has not yet been approved for use. Therefore any discussion concerning this product is subject to, and contingent upon, Emergency Use Authorization (EUA) approval by the US FDA.

If the AudibleHealth Dx™ solution receives EUA approval it is our intention to harness it together with the SoundPass™ solution so as to create a multi-faceted, bundled package, structured for the two to work symbiotically with one another.

Given the current status of the AudibleHealth Dx device, FDA Regulation 21CFR(317) prohibits dissemination of specific test performance results to prospective interested parties, except in response to specific technical due diligence disclosures. The AudibleHealth DX™ ensemble meets or exceeds all of the following FDA Performance Criteria:

- The FDA has set a minimum 80% positive and 80% negative agreement as the definition of acceptable clinical performance for comparison of a new device to an approved molecular diagnostic device (i.e., Dx SaMD vs. RT-PCR);

- The FDA has set a minimum of 80% positive and negative agreement as the definition of acceptable clinical performance for an alternate sampling method (i.e., a forced cough vocalisation (FCV) vs. nasal swab);

- For non-prescription (OTC) tests intended for use in non-laboratory settings, the FDA has set a minimum PPA and MPA for comparison of a new device to RT-PCR (i.e., Dx SaMD vs. RT-PCR).

  o Positive Percent Agreement (PPA) ≥90% for asymptomatic & symptomatic Covid-19 subjects (Dx SaMD vs. ONE PCR).

  o Negative Percent Agreement (NPA) ≥95% for Covid-19 negative subjects (Dx SaMD vs. ONE negative PCR).

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Individual Annual Subscriber's (> LSM 10) *

Biometric SoundPass

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Biometric SoundPass

Taxi Commuters (< LSM 10) *

Biometric SoundPass

Single Event Subscribers (per Event) *

Biometric SoundPass

* On-Demand & Individually Priced Covid-19 Diagnostic Tests via Audible HealthDx