

# ◆ Mobile ID in Singapore

## ◆ Presented at: Secure Device Forum 2022

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# Mobile ID in Singapore

## ♦ Singpass app

- ♦ Mobile application version of national digital identity
- ♦ Authentication via biometrics (face, fingerprint) or passcode

## ♦ TraceTogether App

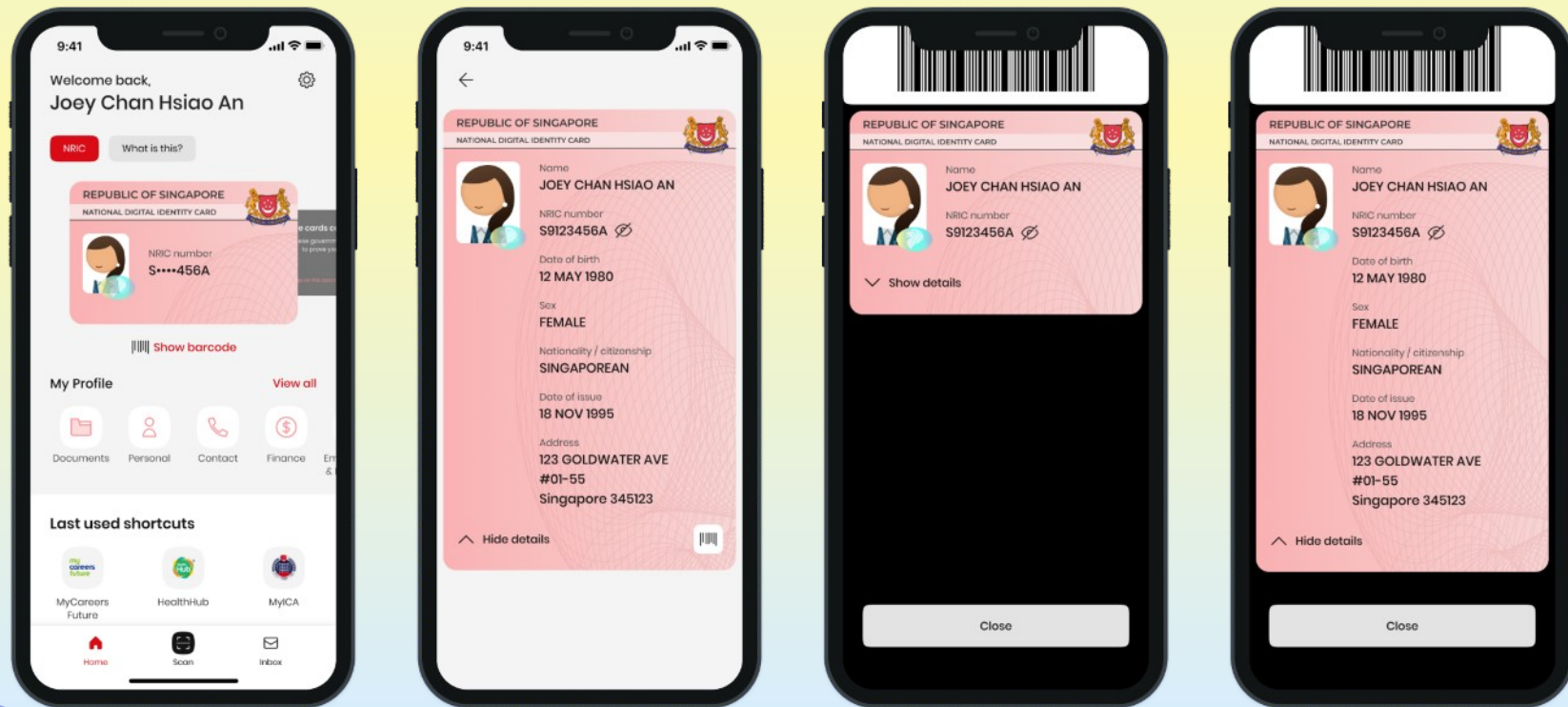
- ♦ National COVID-19 contact tracing mobile application
- ♦ Alternative to physical TraceTogether token

# Mobile ID in Singapore – Singpass app

- ♦ Can be used to login to government digital services
  - ♦ For login on mobile, user clicks in-app link to launch service
  - ♦ For login on desktop browser, user scans QR code using in-app QR code scanner
- ♦ Other personal data accessible in-app:
  - ♦ Passport details
  - ♦ Driving licence
  - ♦ Housing records, income tax records, CPF records (national social security savings scheme)

# Mobile ID in Singapore – Singpass app

- ♦ Digital version of national IC
- ♦ From 1 November 2021, all government agencies accept digital IC as alternative to physical IC
  - Authentication is required to access Digital IC details and profile information.



# All Government Agencies to Accept Singpass Digital IC from 1 November 2021

28 OCT 2021

## ALL GOVERNMENT AGENCIES TO ACCEPT SINGPASS DIGITAL IC FROM 1 NOVEMBER 2021

Singapore, 28 October 2021

All Government agencies will accept, from 1 November 2021, the Digital Identity Card (IC) on the Singpass app as an alternative means to prove an individual's identity for in-person agency services. This marks a significant milestone for Smart Nation, in which people can tap on this proof of identification to transact digitally with public and private sector entities.

Singpass, our trusted national digital identity, provides a convenient and secure platform for users to transact with the Government and other private sector service providers. Today, 97% of Singapore Citizens and Permanent Residents aged 15 years old and above have Singpass accounts, making it one of the most pervasively adopted national digital identity systems in the world. There are over 3.2 million Singpass app users, and about 300 million personal and corporate Singpass transactions<sup>[1]</sup> every year.

All Government agencies to accept Digital IC, except for instances when physical document is required under the legislation





# Mobile ID in Singapore – Singpass app

https://www.ifa.gov.sg/singpass/apps/Fcd\_faqlmain.aspx#FAQ\_1112653 170% Search

- ▶ **Digital IC**
- ▶ Profile
- ▶ Document Wallet
- ▶ Vaccination HealthCerts
- ▶ Provide your information
- ▶ Digital signing
- ▶ Face Verification
- ▶ Inbox

- ◆ Singpass 2FA
- ◆ Managing your Singpass account
- ◆ Overseas users
- ◆ Keeping your account secure

4. All organisations have requested for a screenshot of my Singpass Digital IC. Is this allowed?

5. Does the Digital IC replace my physical NRIC, FIN or long-term pass card?

6. When is the Digital IC not accepted?

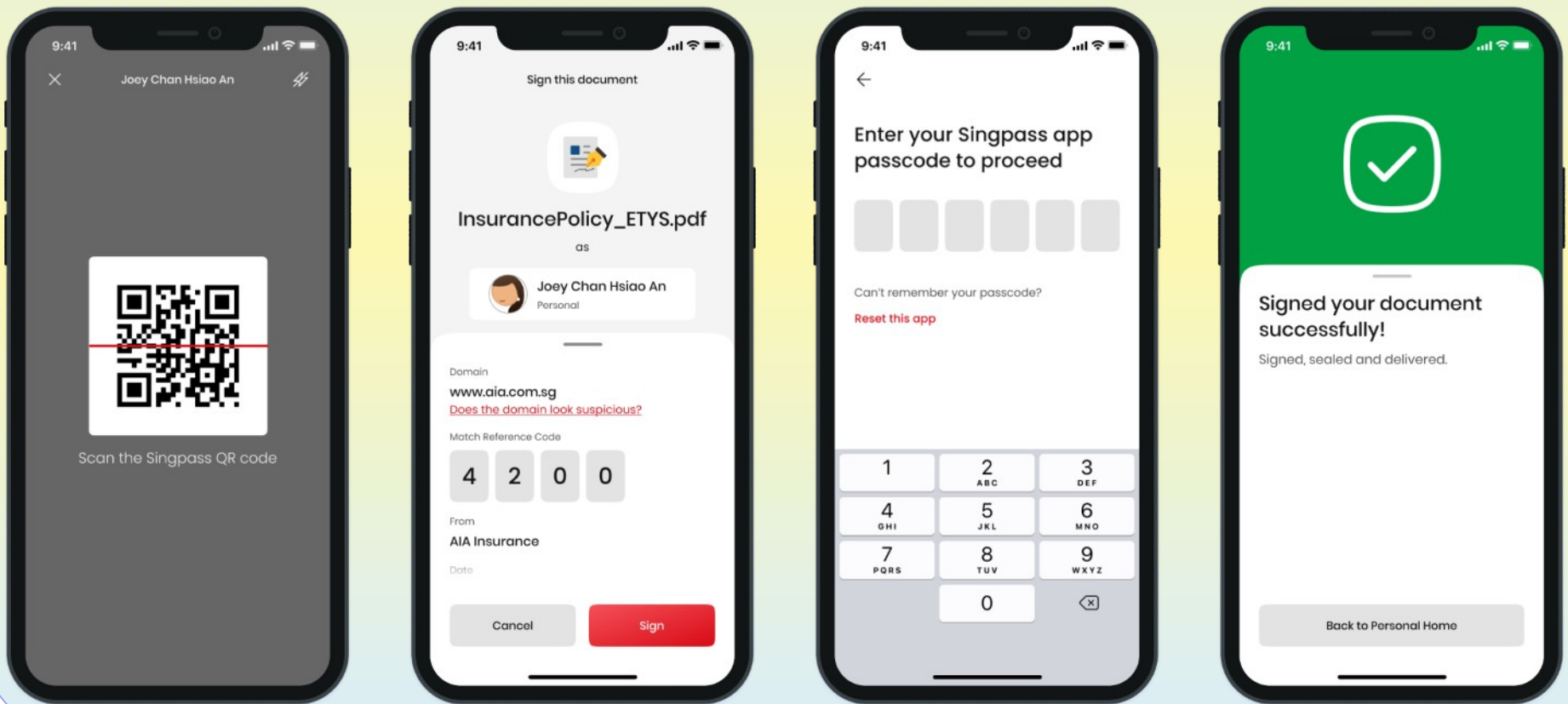
7. What services require physical identification card(s) to be presented?

As of 1 November 2021, there are a few instances where physical identification cards are required to be presented, such as the following:

1. Registry of Marriages requires sighting of physical IC for marriage registration, based on the Women's Charter. This legislation is being reviewed.
2. Hotel check-ins require physical IC based on National Registration Regulations. This legislation is being reviewed.
3. Investigations under the Criminal Procedure Code and/or the National Registration Act require the physical IC.
4. The National Registration Regulations require the physical IC for these services from ICA: IC registration, re-registration, replacement, citizenship completion of formalities, renunciation of citizenship or PR, revocation or reinstatement of PR.
5. Exchange of a Photo ID is required as collateral for passes to enter secured premises such as SAF camps. There are ongoing efforts to progressively implement electronic access control.
6. Surrendering of physical IC for National Service enlistment / joining the Singapore Armed Forces.
7. While Digital IC is allowed by MOE and SEAB for identification at national examinations, some educational institutions may have other policies concerning the use of mobile phones on premises.

# Mobile ID in Singapore – Singpass app

- ♦ Can be used to digitally sign official documents
- ♦ Signing certificate is SHA-256 with ECDSA





# Trusted identity certificates issued by the National Certification Authority

The National Certification Authority (NCA), Assurity Trusted Solutions, is appointed by the Government Technology Agency (as representative of the Government of Singapore). The NCA is to be responsible for the issuance and management of the digital certificates of individuals and companies.

These digital certificates are used as part of Public Key Infrastructure technology, to certify ownership of a public key by the person named in the certificate. Digital certificates can be used as a trusted means of authenticating a person's identity for the purposes of electronic transactions.

Digital certificates are stored in your Singpass app and come with a unique serial number that can be seen in the settings menu of the user's Singpass app, under "Your digital identity details".

There are currently two types of digital certifications issued by the NCA:

## Authentication Certificate

The authentication certificate is used with *Login with Singpass*. When Singpass app users scan the QR code to log in with Singpass, the authentication certificate is checked for the verification of the user's identity.

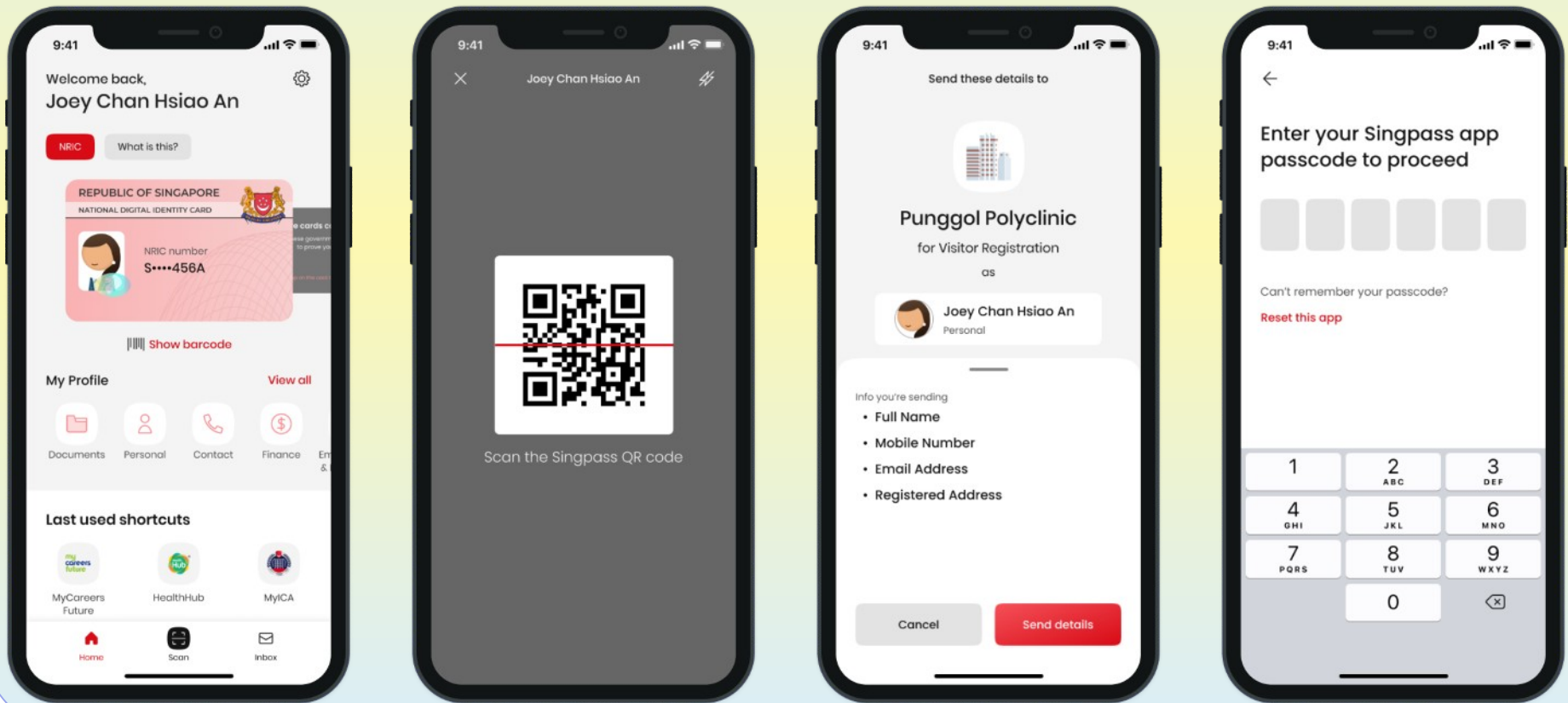
## Signing Certificate

The signing certificate is used with *Sign with Singpass* and *Authorise with Singpass* in the context of transaction signing.



# Mobile ID in Singapore – Singpass app

- ♦ Can be used to provide personal information by scanning QR code





Appointment



Find a Condition  
or Treatment



Find a Doctor

About Us

Patient Care

Research & Innovation

Education & Training

Careers

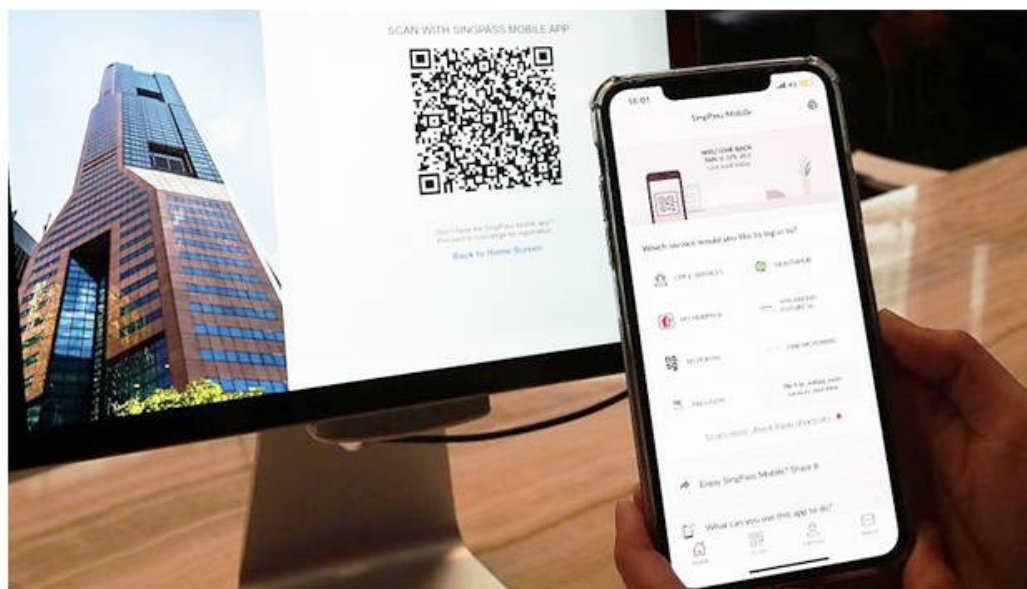
Giving

Home > news > tomorrows medicine > easier registration with singpass mobile app

# Easier registration with SingPass Mobile app

By Hariz Baharudin

29 Dec 2019 | Tomorrow's Medicine, The Straits Times



At Republic Plaza, visitors scan a QR code, then log in to their SingPass Mobile account for registration. ST PHOTO: KELVIN CHNG

Visitors to Republic Plaza and patients at Punggol Polyclinic can now use their SingPass Mobile app to register in place of manually filling up a form with their personal details.

Through scanning a QR code using the app, visitors and patients allow their digital identity to be retrieved from the Government's database for registration, making for a speedier registration process.

Announced in May, this tool, called SG-Verify, has now been fully adopted by two organisations, the Government Technology Agency (GovTech) told The Sunday Times.

# Mobile ID in Singapore – TraceTogether App

- ♦ Proximity information is exchanged over Bluetooth Low Energy (BLE) with other in-range TraceTogether devices (both app and token versions)
- ♦ Tied to user's mobile number and IC number
  - ♦ Temporary ID used for exchange is retrieved from server every 7 days



# Mobile ID in Singapore – TraceTogether App

https://www.tracetgether.gov.sg



Search

A Singapore Government Agency Website



Resources ▾

Data Privacy

TraceTogether Token

## How to get TraceTogether?



### Download the TraceTogether mobile app

Set up your profile, and help those around you to set up too.



or



### Collect a physical TraceTogether Token

For those may not own or prefer not to use a mobile phone

[See collection details](#)

## Have a question?

[View FAQs](#)

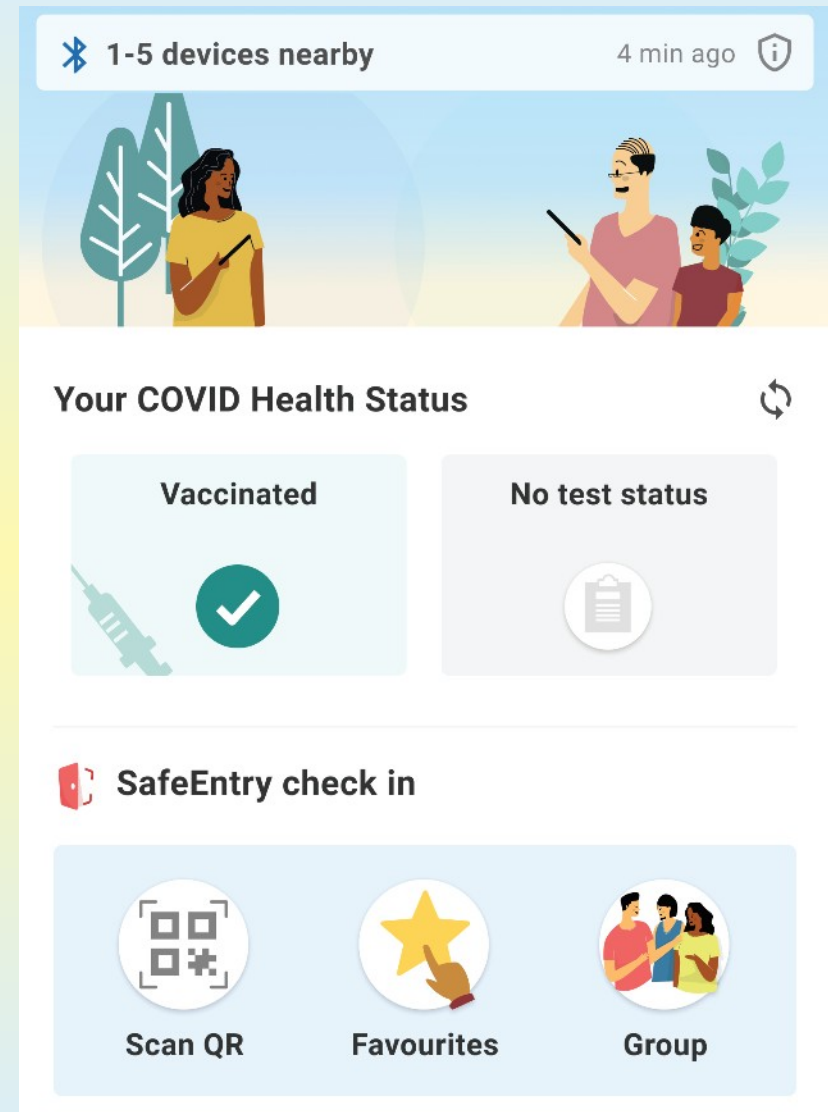
[Check out how we keep your data secure](#)

# Mobile ID in Singapore – TraceTogether App

- ♦ Data is stored locally, automatically deleted after 25 days
- ♦ Data is only uploaded when user tests positive for COVID-19 and agrees to upload the data to the government servers


# Mobile ID in Singapore – TraceTogether App

- ♦ Other application functions:
  - ♦ Display COVID-19 vaccination
  - ♦ status and test results
  - ♦ Check in/out from venues
  - ♦ (SafeEntry)





# Follow up from previous Singapore updates -

Closed for Comments			
S/N	Title	Date opened for comments	Date closed for comments
Pending Release			
	<a href="#">Draft Technical Specification for Security Requirements for Cellular Devices (IMDA TS CD-SEC Issue 1) (387.34KB)</a> 		
	<p>This Specification defines the <u>minimum technical security requirements</u> for the design and management of <u>Devices implemented on cellular networks</u> to better safeguard communication networks from security threats in the area of <u>connection efficiency</u>.</p>		
1	<p>It also sets out to minimise the vulnerability of the individual cellular Devices, ensuring that these devices are better protected and secured in the areas of <u>Access Control and Over-The-Air (OTA) updating</u>.</p> <p>This Specification is <u>applicable to cellular Devices which support Section 7 on Connection Efficiency Requirements of the GSMA TS.34 v5.0: IoT Device Connection Efficiency Guidelines</u>, and also subject for compliance either with IMDA Technical Specification for Internet of Things (IMDA TS IOT) or IMDA Technical Specification for Cellular Mobile Terminal (IMDA TS CMT).</p>	13 Oct 2021	27 Oct 2021

When implemented, this is a regulatory requirement

◆ THE END