health
Department:
Health
REPUBLIC OF SOUTH AFRICA

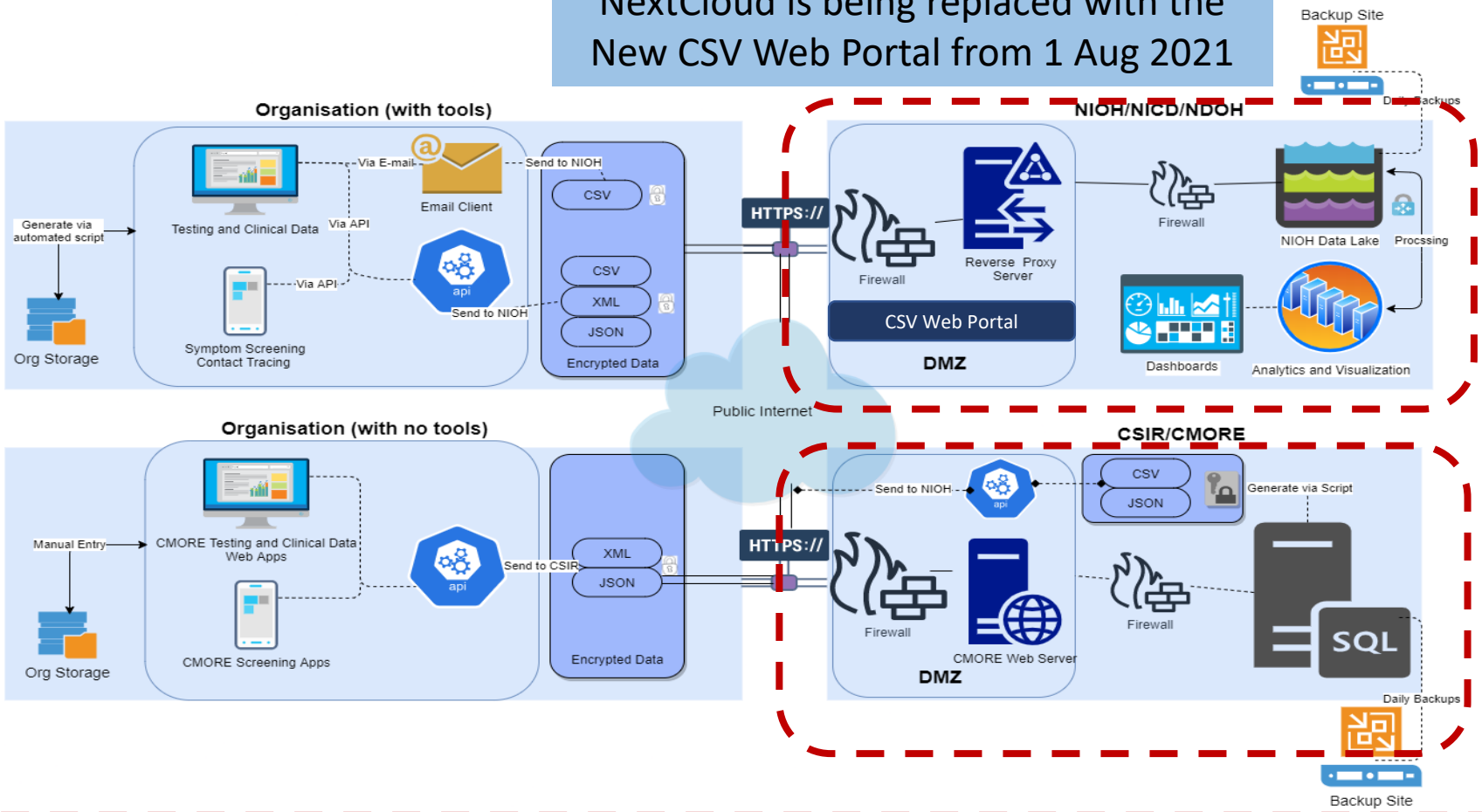
COVID-19 Occupational Health Surveillance System (OHSS) for South African Workplaces

13 Jul 2021

OHSS Registration and Data Submission

Architecture| Business Interfaces

Note:
NextCloud is being replaced with the New CSV Web Portal from 1 Aug 2021



Organizations with no tools

- CSV Portal (replacing NextCloud)
- CMORE

Organizations with tools

- API integration

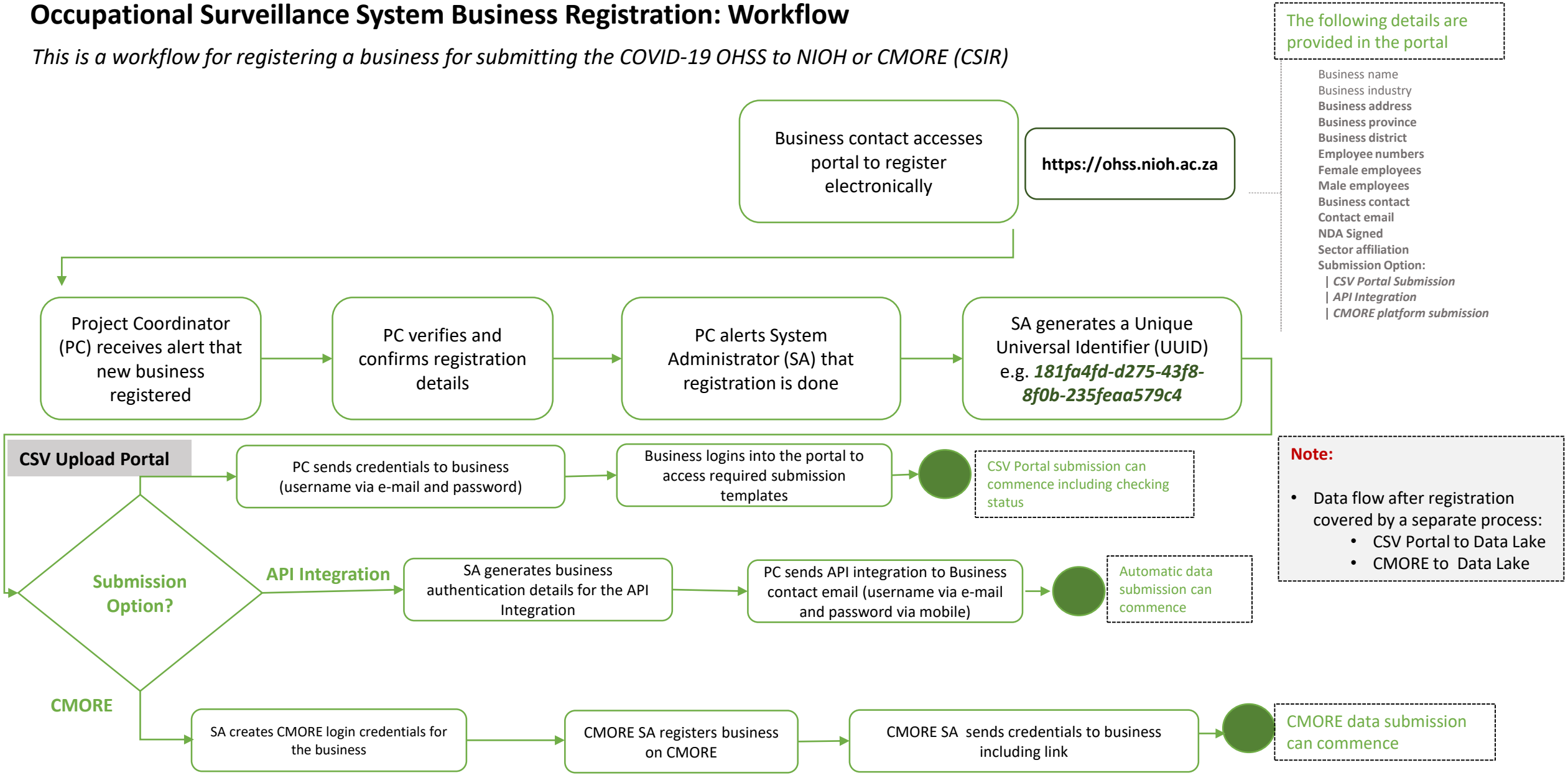
Data Lake

- NIOH Data Lake
- Analytics and Visualization
- Google Studio Dashboard
- Security and Privacy

Business Registration (Once-off) → Symptom Screening (weekly) → Positive Cases (when available) → Return to Work (when available)

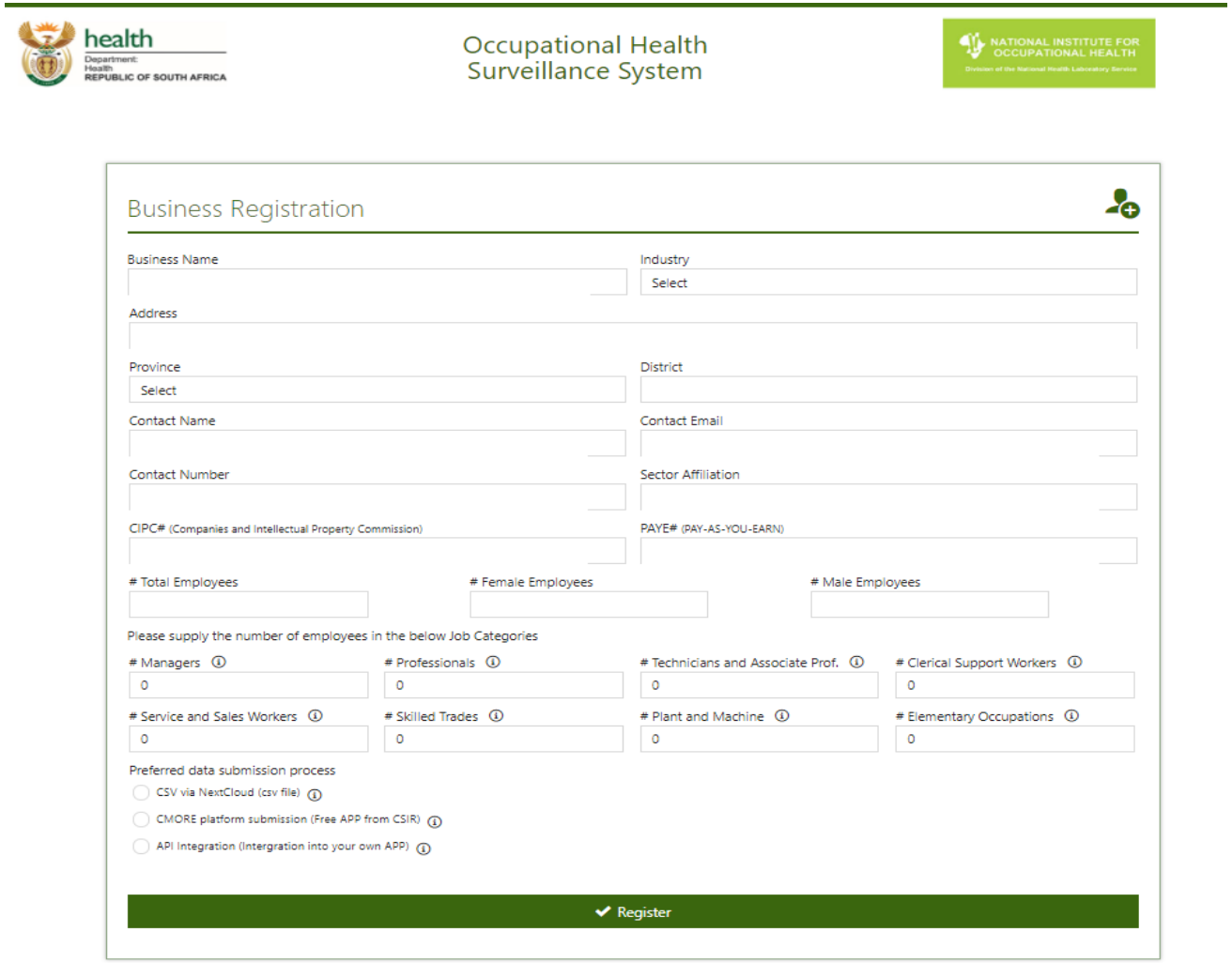
Occupational Surveillance System Business Registration: Workflow

This is a workflow for registering a business for submitting the COVID-19 OHSS to NIOH or CMORE (CSIR)



Occupational Surveillance System Business Registration: Web Portal (see: https://ohss.nioh.ac.za/Register)

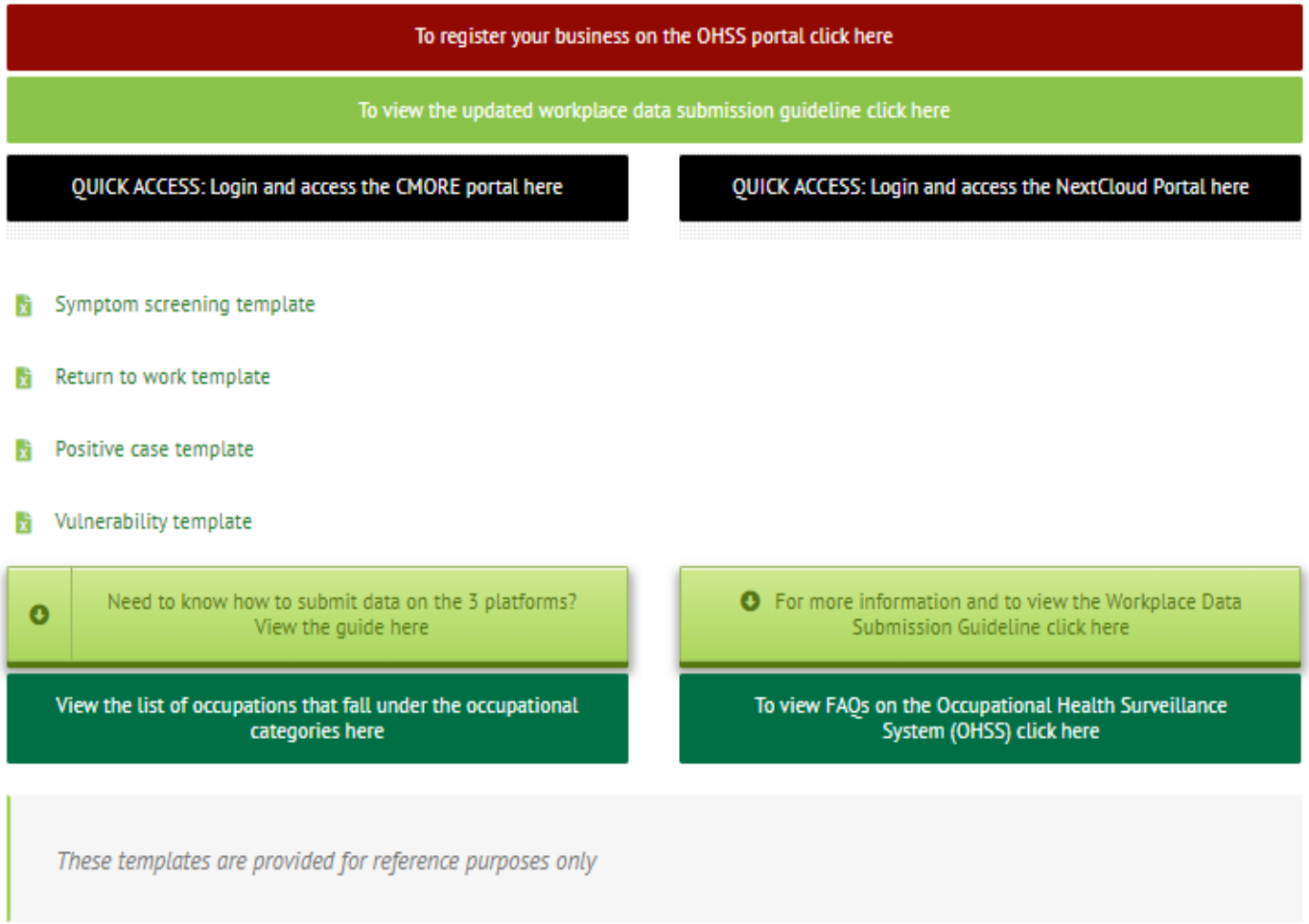
The businesses registers via a web portal where all the required details for the organisation can be submitted.
*Once a business has been approved by NIOH for data submission, they will receive login credentials to use the system of the choice for submission (**CSV Portal (replacing NextCloud, API integration or CMORE**)*



1. Business will choose a preferred option for data submission (3 options available)
2. Username and password will be sent to the contact person in the organization via SMS or WhatsApp
3. Submissions preferred weekly
4. Templates for CSV upload available on

Occupational Surveillance System Business Registration: Web Portal (see: https://ohss.nioh.ac.za/Register)

CSV Portal data submission templates available here:
https://www.nioh.ac.za/covid-19-information-resources/occupational-health-surveillance-system-ohss-business-portal/

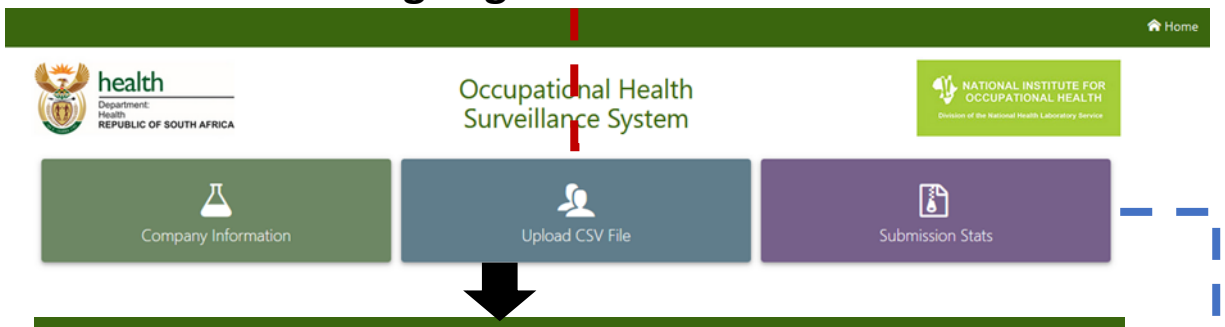


Templates to use for the CSV Portal Submission system are as follows:

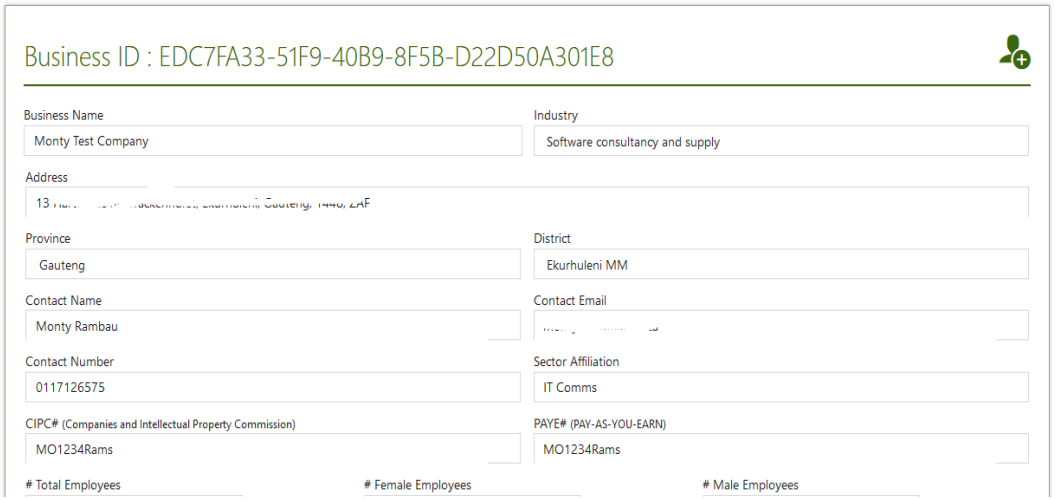
- Symptoms screening
- Return to work
- Positive cases
- Vulnerabilities

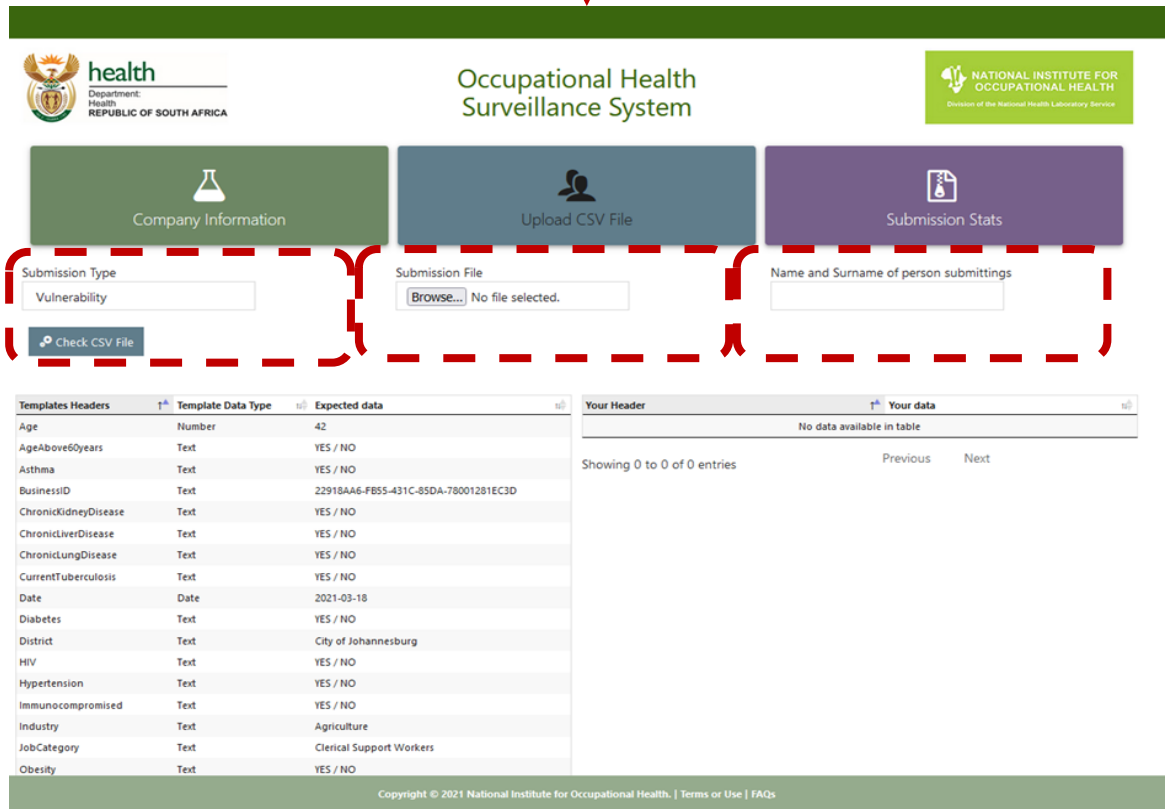
New CSV Web Portal (see: URL to be made available by 1 August 2021)

Landing Page

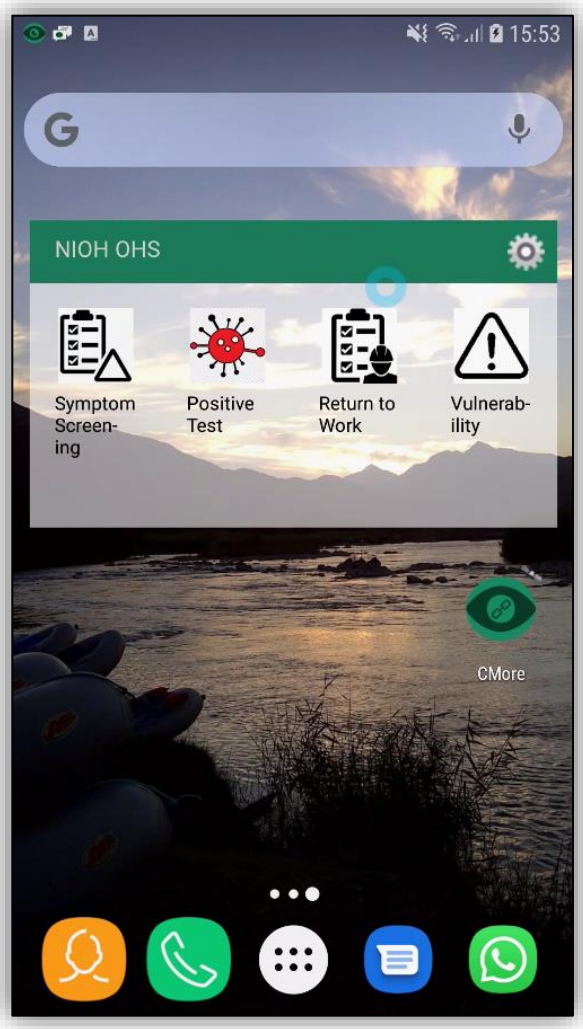


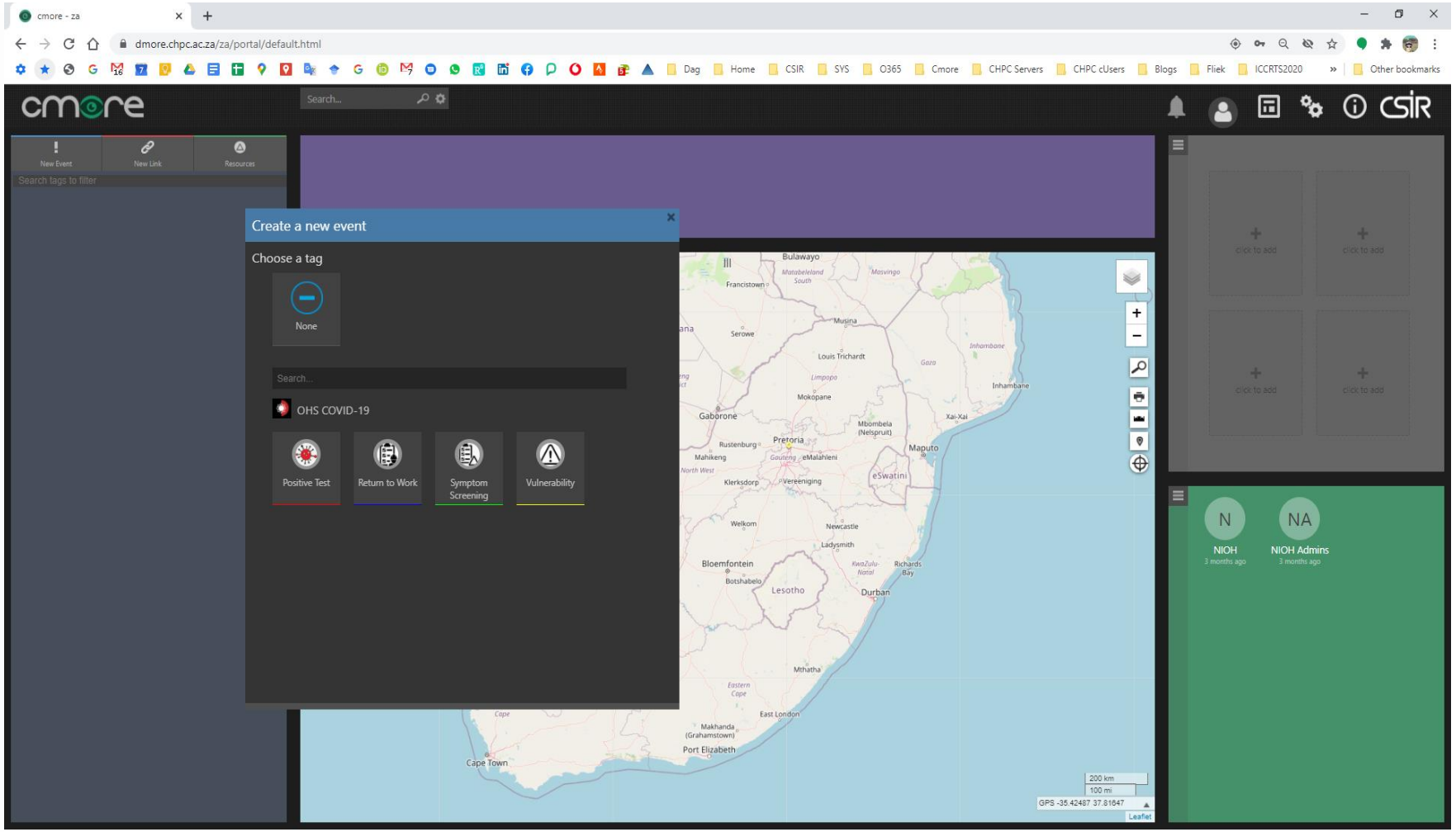
Company Information





Cmore Mobile and Web app





Data Privacy, Confidentiality and Security

1. Data privacy, confidentiality and security is the cornerstone of all the digital data submission options

2. All businesses are identified through Unique Business IDs

3. All businesses submit data to their own workspace (no sharing of data and workspace)
4. Only business email addresses and ID numbers for positive cases processed in the templates

5. Data in the data lake is anonymised and any identifying information removed where required

6. Data submission is via encrypted channels on all channels (CSV Portal, CMORE and API)

7. Data is stored in a secure Data Lake (NIOH)

8. All data shared is only processed by NIOH and is not shared with any other third-parties, except government departments such as UIF.

9. Only anonymized and aggregated data is used for the analytics and visualization

10. All systems used for data collection, storage, and processes will be **assessed on regular basis** (every month) for any security vulnerabilities.

Thank You

Email: **OHSworkplace@nioh.ac.za**
Web Portal: **https://ohss.nioh.ac.za (for business registrations)**