



# API Submission

## PRESENTER

Mr. Monty Rambau  
Lead Developer OHSS

*Date: 2021/07/14*



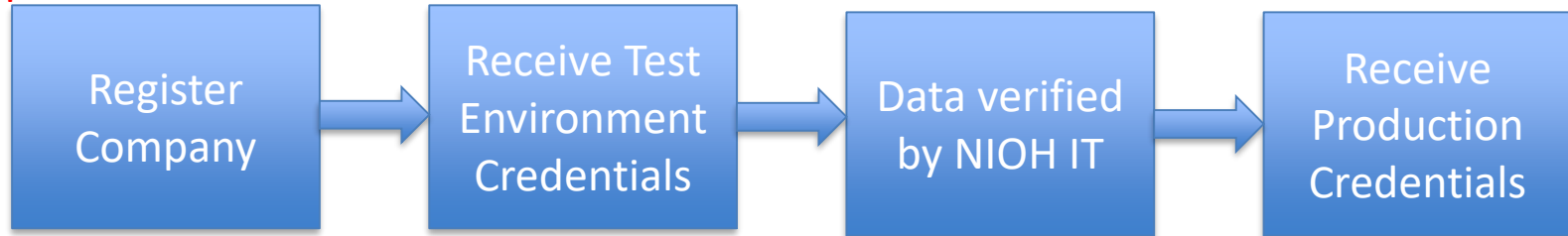
**NATIONAL INSTITUTE FOR  
COMMUNICABLE DISEASES**

Division of the National Health Laboratory Service

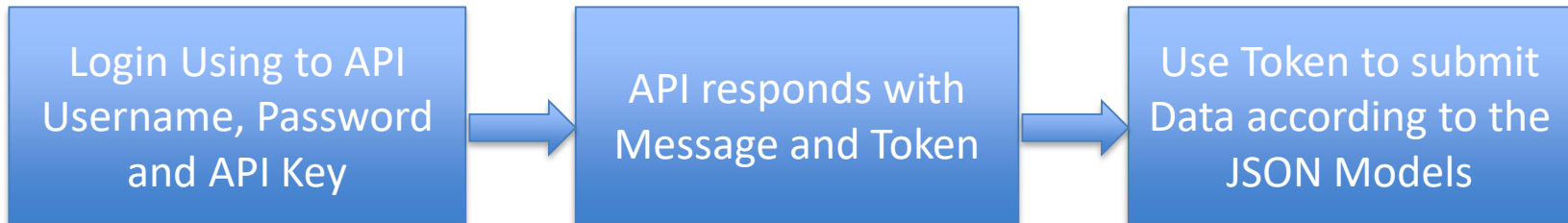


## API REGISTRATION PROCESS

<https://ohss.nioh.ac.za/>



## API SUBMISSION PROCESS



# NIOH COVID19 API Endpoints

URL : <https://apitest.nioh.ac.za>

 **swagger**

**Explore**

## WOHSSAPI

### DataSubmission

Show/Hide | List Operations | Expand Operations

POST	/api/DataSubmission/Login	Login
PUT	/api/DataSubmission/Logout	Logout
PUT	/api/DataSubmission/SubmitScreening	Submit Screening Report
PUT	/api/DataSubmission/SubmitTestData	Submit Test Report
PUT	/api/DataSubmission/SubmitReturnToWork	Submit Return To Work
PUT	/api/DataSubmission/SubmitVulnerability	Submit Vulnerability

[ BASE URL: , API VERSION: v1 ]

**VALID**



# Data Model : Login Endpoint

POST /api/DataSubmission/Login Login

Response Class (Status 200)  
OK

Model | Example Value

```
APILoginResponse {  
  token (string, optional),  
  status (string, optional),  
  message (string, optional)  
}
```

Response Content Type

### Parameters

Parameter	Value	Description	Parameter Type	Data Type
data	<pre>{   "password": "alx&amp;kyi.h0-ez1-",   "username": "apini0h.username" }</pre>		body	Model   Example Value <pre>{   "password": "string",   "username": "string" }</pre>

Parameter content type:

# Data Model : Login Endpoint Response

## Curl

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'apiKey: A9085C18-  
"password": "g%27%2615ET%,.Hc%27yJ", \  
"username": "apinloh.Itakane" \  
' 'https://apitest.nioh.ac.za/api/DataSubmission/Login'
```

## Request URL

```
https://apitest.nioh.ac.za/api/DataSubmission/Login
```

## Response Body

```
{  
  "token": "bc0c74dba5314f0f9e8b137ce1654568",  
  "status": "1",  
  "message": "Success"  
}
```

## Response Code

```
200
```

## Response Headers

```
{  
  "cache-control": "no-cache",  
  "content-length": "77",  
  "content-type": "application/json; charset=utf-8",  
  "date": "Tue, 09 Feb 2021 12:46:06 GMT",  
  "expires": "-1",  
  "pragma": "no-cache",  
  "server": "",  
  "strict-transport-security": "max-age=15552001; includeSubDomains; preload",  
  "x-aspnet-version": "4.0.30319",  
  "x-content-type-options": "nosniff",  
  "x-ff-spdy": "h2",  
  "x-frame-options": "SAMEORIGIN",  
  "x-powered-by": "NICD",  
  "x-xss-protection": "1; mode=block"  
}
```

# Data Model : Logout Endpoint

**PUT** /api/DataSubmission/Logout Logout

Response Class (Status 200)  
OK

Model | Example Value

```
{
  "status": "string",
  "message": "string"
}
```

Response Content Type

### Parameters

Parameter	Value	Description	Parameter Type	Data Type
<b>data</b>	<pre>{   "username": "apiinoh.username",   "token":   "bc0c74dba5314f0f9e8b137ce1654568" }</pre>		body	Model   Example Value <pre>{   "username": "string",   "token": "string" }</pre>

Parameter content type:

[Try it out!](#) [Hide Response](#)

# Data Model : Logout Response

## Curl

```
curl -X PUT --header 'Content-Type: application/json' --header 'Accept: application/json' --header 'apiKey: A9085C18-2' --data '{ "username": "apinioh.Itakane", \ "token": "bc0c74dba5314f0f9e8b137ce1654568" \ }' 'https://apitest.nioh.ac.za/api/DataSubmission/Logout'
```

## Request URL

https://apitest.nioh.ac.za/api/DataSubmission/Logout

## Response Body

```
{  "status": "1",  "message": "Success"}
```

## Response Code

200

## Response Headers

```
{  "cache-control": "no-cache",  "content-length": "34",  "content-type": "application/json; charset=utf-8",  "date": "Tue, 09 Feb 2021 12:51:46 GMT",  "expires": "-1",  "pragma": "no-cache",  "server": "",  "strict-transport-security": "max-age=15552001; includeSubDomains; preload",  "x-aspnet-version": "4.0.30319",  "x-content-type-options": "nosniff",  "x-firefox-spdy": "h2",  "x-frame-options": "SAMEORIGIN",  "x-powered-by": "NICD",  "x-xss-protection": "1; mode=block"}
```

# Symptoms Screening Model

```
"screeningData": [
  {
    "SAIDorPassportNumber": "9705054800086",
    "ScreeningDate": "2021-04-23",
    "EmployeeAge": "42",
    "EmployeeGender": "Male",
    "JobCategory": "Nursing",
    "Industry": "Medical",
    "Province": "Mpumalanga",
    "District": "Ehhlazeni",
    "SymptomsPresent": "Yes",
    "ScreeningOutcomeNoActionRequired": "No",
    "ScreeningOutcomeReferredForSelfIsolation": "Yes",
    "ScreeningOutcomeReferredForTesting": "No",
    "ScreeningOutcomeReferredToTheDoctor": "No",
    "Fever": "Yes",
    "Chills": "Yes",
    "DryCough": "No",
    "SoreThroat": "No",
    "ShortnessOfBreath": "No",
    "Tiredness": "No",
    "LackOfSmellOrTaste": "No",
    "Conjunctivitis": "No",
    "Diarrhoea": "No",
    "NauseaOrVomiting": "No",
    "MusclePains": "No",
    "Dizziness": "No",
    "Headache": "No",
    "Update": 0
  }
],
"businessid": " C8F1720B-FB4F-48C4-BBC5-413EF8E31D3C ",
"username": "apinioh.username",
"token": "fba40be6f49a4ba19f85d0ef2eb3aa50 "}
```

## Positive Tests Data Model

```
Data{
  "testData": [
    {
      "SAIDorPassportNumber": "5906084800088",
      "EmployeeID": "351892",
      "Age": "11",
      "Sex": "Male",
      "JobCategory": "Admin Staff",
      "Province": "Gauteng",
      "District": "City of Tshwane",
      "TestDate": "2020-05-11",
      "TestTypePCR": "Yes",
      "TestTypeAntigen": "No",
      "TestTypeAntibody": "No",
      "SymptomsPositive": "Yes",
      "NumberHighRiskContact": "0",
      "VulnerabilityStatus": "Yes",
      "PositiveTestResultAction": "Self-Isolation at home",
      "ExposureInformation": "Yes",
      "ReportingActionedDEL": "No",
      "ReportingActionCOIDA": "No",
      "ReportingActionDMRE": "No",
      "Date": "2020-05-11", "Update": 0
    }
  ],
  "businessid": " C8F1720B-FB4F-48C4-BBC5-413EF8E31D3C ",
  "username": "apinioh.username",
  "token": "fba40be6f49a4ba19f85d0ef2eb3aa50 "
}
```



## ReturnToWork Model

```
Data {
  "returnData": [
    {
      "SAIDorPassportNumber": "4401014800086",
      "EmployeeWorkID": "45123",
      "JobCategory": "Admin Staff",
      "Industry": "Techmology",
      "Province": "Mpumalanga",
      "District": "Ehhlazeni",
      "Date": "2021-03-11",
      "Hospitalised": "Yes",
      "HospitalType": "Private",
      "DateAdmission": "2021-04-27",
      "Outcome": "Discharge",
      "OutcomeDate": "2021-05-02",
      "ReturntoWorkDate": "2021-05-15",
      "ReturnToWorkFitness": "Fit with Accommodation",
      "CompensationClaim": "Yes",
      "Disablement": "0",
      "ClaimRefNo": " ",
      "StartDateOfIllness": "2021-04-20",
      "IllnessType": "Flu",
      "EndDateOfOIllness": "2021-05-01",
      "Update": 0
    }
  ],
  "businessid": " C8F1720B-FB4F-48C4-BBC5-413EF8E31D3C ",
  "username": "apinioh.username",
  "token": "fba40be6f49a4ba19f85d0ef2eb3aa50 "}
```

**NOTE :** Keep **update** attribute **0**. To be used on the  
Next version update

## Vulnerability Model

```
Data {
  "vulnerabilityData": [
    {
      "SAIDorPassportNumber": "4401014800086",
      "Date": "2021-05-11",
      "Province": "Eastern Cape",
      "District": "Fezile Dabi ",
      "Age": "42",
      "Sex": "Female",
      "JobCategory": "Professionals",
      "VulnerabilityStatus": "Yes",
      "Asthma": "Yes",
      "ChronicLungDisease": "No",
      "Diabetes": "No",
      "Hypertension": "Yes",
      "SeriousHeartConditions": "Yes",
      "ChronicKidneyDisease": "No",
      "ChronicLiverDisease": "No",
      "Immunocompromised": "Yes",
      "PreviousTuberculosis": "Yes",
      "CurrentTuberculosis": "No",
      "HIV": "No",
      "AgeAbove60years": "No",
      "SmokingCurrent": "No",
      "PregnancyAbove28weeks": "No",
      "Obesity": "No",
      "ReceivedFluVaccine": "Yes",    "Update": 0
    }
  ],
  "businessid": " C8F1720B-FB4F-48C4-BBC5-413EF8E31D3C ",
  "username": "apinioh.username",
  "token": "fba40be6f49a4ba19f85d0ef2eb3aa50 "}
```

# Endpoint Submissions

**PUT** /api/DataSubmission/SubmitScreening Submit Screening Report

Response Class (Status 200)  
OK

Model | Example Value

```
{
  "status": "string",
  "message": "string"
}
```

Response Content Type:

Parameters

Parameter	Value	Description	Parameter Type	Data Type
data	<pre>{   "LackOfSmellOrTaste": "string",   "ConjunctivitisRedEyes": "string",   "Diarrhoea": "string",   "NauseaVomiting": "string",   "RunnyNose": "string",   "MusclePains": "string",   "Dizziness": "string",   "Headache": "string",   "Update": 0 }, "businessid": "C8F1720B-FB4F-48C4-BBC5-413EF8E31D3C", "username": "apinoh.username", "token": "fba40be6f49a4ba19f85d0ef2eb3aa50" }</pre>		body	Model   Example Value

Parameter content type:

[Try it out!](#) [Hide Response](#)

```
{
  "screeningData": [
    {
      "EmployeeId": "string",
      "Consent": "string",
      "ScreeningDate": "string",
      "EmployeeAge": "string",
      "EmployeeGender": "string",
      "JobCategory": "string",
      "Province": "string",
    }
  ]
}
```

# Endpoint Response Model

- Production API Endpoints can receive up to **1000** records
- Per push
- Session automatically logged out after 15 minutes of no activity
- API Data Endpoint use **PUT** method

## Curl

```
"EmployeeAge": "string", \  
"EmployeeGender": "string", \  
"JobCategory": "string", \  
"Province": "string", \  
"District": "string", \  
"SymptomsStatus": "string", \  
"OutcomeAction": "string", \  
"OutcomeSelfisolation": "string", \  
"OutcomeReferredTesting": "string", \  
"OutcomeReferredDoctor": "string", \  
"Fever": "string", \  
"Chills": "string", \  
"DryCough": "string", \  
"Sorethroat": "string", \  
"ShortnessOfBreath": "string", \  
"Tiredness": "string", \  
"LackOfSmellOrTaste": "string", \  
"ConjunctivitisRedEyes": "string", \  
"Diarrhoea": "string", \  
"NauseaVomiting": "string", \  
"RunnyNose": "string", \  
"MusclePains": "string", \  
"Dizziness": "string", \  
"Headache": "string", \  
"Update": 0 \  
} \  
} \  
"businessid": "CBF1720B-FB4F-48C4-8BC5-413EF8E31D3C", \  
"username": "apinich.itakane", \  
"token": "fb40be6f49a4ba19f85d0ef2eb3aa50" \  
}' : https://apitest.nioh.ac.za/api/DataSubmission/SubmitScreening"
```

## Request URL

https://apitest.nioh.ac.za/api/DataSubmission/SubmitScreening

## Response Body

```
{  
  "status": "1",  
  "message": "Success"  
}
```

## Response Code

200

## Response Headers

```
{  
  "cache-control": "no-cache",  
  "content-length": "34",  
  "content-type": "application/json; charset=utf-8",  
  "date": "Tue, 09 Feb 2021 12:59:59 GMT",  
  "expires": "-1",  
  "pragma": "no-cache",  
  "server": "",  
  "strict-transport-security": "max-age=15552001; includeSubDomains; preload",  
  "x-aspnet-version": "4.0.30319",  
  "x-content-type-options": "nosniff",  
  "x-firefox-spdly": "h2",  
  "x-frame-options": "SAMEORIGIN",  
  "x-powered-by": "NICD",  
  "x-xss-protection": "1; mode=block"  
}
```



**Thank you**



[ohssupport@nioh.ac.za](mailto:ohssupport@nioh.ac.za)