

## Data Creation

The data is obtained from patient records. However, due to the nature and privacy of information, the names are not actually the real names of the users. The addresses are also not available since this will be breach of the confidentiality act.

The data is then added to a csv file which helps in viewing the whole data in table format. The data is then imported directly into the MySQL workbench as shown beow:

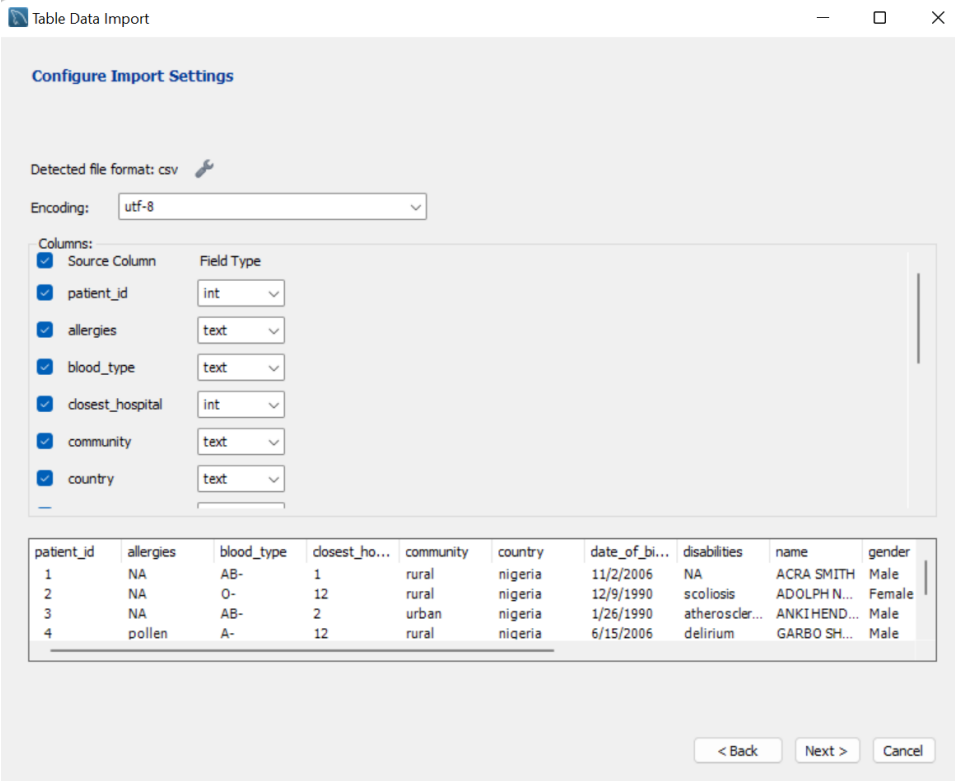


Table Data Import

Configure Import Settings

Detected file format: csv

Encoding: utf-8

Columns:

Source Column	Field Type
<input checked="" type="checkbox"/> patient_id	int
<input checked="" type="checkbox"/> allergies	text
<input checked="" type="checkbox"/> blood_type	text
<input checked="" type="checkbox"/> closest_hospital	int
<input checked="" type="checkbox"/> community	text
<input checked="" type="checkbox"/> country	text

patient_id	allergies	blood_type	closest_ho...	community	country	date_of_bi...	disabilities	name	gender
1	NA	AB-	1	rural	nigeria	11/2/2006	NA	ACRA SMITH	Male
2	NA	O-	12	rural	nigeria	12/9/1990	scoliosis	ADOLPH N...	Female
3	NA	AB-	2	urban	nigeria	1/26/1990	atheroscler...	ANKIHEND...	Male
4	pollen	A-	12	rural	nigeria	6/15/2006	delirium	GARBO SH...	Male

< Back Next > Cancel

The columns are then formatted to ensure each of the columns has the correct data form:

Columns:

<input checked="" type="checkbox"/>	gender	text	▼
<input checked="" type="checkbox"/>	has_children	text	▼
<input checked="" type="checkbox"/>	has_dependent	text	▼
<input checked="" type="checkbox"/>	height	int	▼
<input checked="" type="checkbox"/>	marital_status	text	▼
<input checked="" type="checkbox"/>	medical_problems	text	▼
<input checked="" type="checkbox"/>	weight	int	▼

The import of the data is then completed:

### Import Data

The following tasks will now be performed. Please monitor the execution.

- ☐ Prepare Import
- ☐ Import data file

Click [Next >] to execute.

The data can be viewed in the database:

The screenshot displays a database management interface with a query editor at the top containing the SQL statement: `select * from cleaned_carelyo.patient_data;`. Below the editor, a 'Result Grid' shows 10 rows of patient data. The columns include patient\_id, allergies, blood\_type, closest\_hospital, community, country, date\_of\_birth, disabilities, name, gender, and has\_childrer. The data is as follows:

patient_id	allergies	blood_type	closest_hospital	community	country	date_of_birth	disabilities	name	gender	has_childrer
1	NA	AB-	1	rural	nigeria	2006-11-02 00:00:00	NA	ACRA SMITH	Male	No
2	NA	O-	12	rural	nigeria	1990-12-09 00:00:00	scoliosis	ADOLPH NEILON	Female	Yes
3	NA	AB-	2	urban	nigeria	1990-01-26 00:00:00	atherosclerosis	ANKI HENDRI	Male	No
4	pollen	A-	12	rural	nigeria	2006-06-15 00:00:00	delirium	GARBO SHARRON	Male	Yes
5	flowers	AB-	3	suburban	nigeria	1987-07-18 00:00:00	delirium	ADONAI NEIVA	Male	No
6	nuts	B-	10	urban	nigeria	2010-03-21 00:00:00	alzheimer's	ANKUR HENDRY	Female	No
7	dust	AB-	12	rural	nigeria	1996-04-30 00:00:00	delirium	GARDENIA SHARUKH	Female	Yes
8	nuts	A+	5	urban	nigeria	2012-08-24 00:00:00	arthritis	ADONIJAH NEKA	Male	No
9	dust	B-	12	suburban	nigeria	1986-07-06 00:00:00	NA	ANN HENGKY	Female	No
10	dust	A+	12	suburban	nigeria	1990-07-15 00:00:00	NA	CADDY SHASHA	Female	Yes

Below the result grid, an 'Output' pane shows the execution log:

#	Time	Action	Message	Duration / Fetch
32	18:35:14	SHOW T: Select output pane		
33	18:37:57	SELECT * from cleaned_carelyo.patient_data LIMIT 0, 1000	100 row(s) returned	0.000 sec / 0.000 sec
34	18:38:24	select * from cleaned_carelyo.patient_data LIMIT 0, 1000	100 row(s) returned	0.000 sec / 0.000 sec

The data can then proceed to be analyzed to identify relations between various columns and