GIS Coordinate Checker

Health Facility CSV Upload Guide

1. CSV Template

Your CSV file must follow this header format exactly:

Id,Name,x,y,Admin1,Admin2,Admin3

Column	Description	Example	Required?
Id	Unique facility identifier for **user reference only**. This lets you link the app output back to your own records. The app does **not validate or process it**.	FAC-00123	Optional
Name	Facility name	St. Mary's Hospital	Yes
x	Longitude in decimal degrees	34.3015	Yes
y	Latitude in decimal degrees	-13.2543	Yes
Admin1	First-level subnational unit (state, province, region)	Rift Valley	Yes
Admin2	Second-level unit (county, district)	Nakuru	Optional
Admin3	Third-level unit (sub-county, sub-location)	Molo	Optional

2. Administrative Boundaries

Administrative boundaries define location hierarchy:

- **Admin0 = Country** (not in CSV, selected in app) – highest-level boundary.
- **Admin1** → largest subnational unit (province, state, region). **Required.**
- **Admin2** → smaller than Admin1 (district, county). *Optional*.
- **Admin3** → smaller than Admin2 (ward, sub-district). *Optional*.

Tips for Admin fields:

- Use **official names**, no abbreviations.

- Only letters, numbers, and spaces; avoid @ # $ %.

- Admin1 must match the official dataset for validation.

- Admin2 and Admin3 improve accuracy but are not required.

Common issues:

Issue	Cause	Solution
Admin1 mismatch	Typo or unofficial name	Use official Admin1 name from OpenStreetMap/Nominatim
Admin2/3 mismatch	Optional, may not exist	Leave blank if unknown
Country mismatch	Admin0 internally differs from selected country	Ensure coordinates are within selected country

3. GPS Coordinates

Coordinates must be in **decimal degrees**, not degrees-minutes-seconds.

Field	Format	Example	Compulsory?
x	Longitude	34.3015	Yes
y	Latitude	-13.2543	Yes

Guidelines:

- Use **dot .** as the decimal separator.

- Avoid commas, spaces, or other characters.

Example valid coordinates:

Facility	x	y
Hospital A	34.3015	-13.2543
Clinic B	-0.1278	51.5074

4. Facility ID

- **For user reference only**.

- Must be unique in your dataset to link the app output back to your records.

- App does **not validate or process this field**.

- Can contain letters, numbers, hyphens "_" or underscores "-".

- Example: FAC-00123

⚠️ The ID is how you will connect the results the app provides with your own system.

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5. General Rules / Forbidden Characters

- Use only **letters, numbers, spaces, hyphens, and underscores**.

- Avoid: @ # $ % ^ & * ( ) + = { } [ ] ; : < > , ? / \ | ~

- Avoid leading/trailing spaces.

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6. Example CSV

Id,Name,x,y,Admin1,Admin2,Admin3

FAC-001,St. Mary's Hospital,34.3015,-13.2543,Rift Valley,Nakuru,Molo

FAC-002,Hope Clinic,36.8219,-1.2921,Nairobi,Nairobi,Nairobi West

FAC-003,Green Health Center,31.5678,-17.8234,Central,Machakos

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8. Tips for Successful Upload

1. Ensure **Admin1 matches official boundaries**.

2. Coordinates must be **inside the selected country**.

3. Do not exceed **20 facilities per upload**.

4. Verify **unique IDs** for linking output back to your data.

5. Avoid special characters in any field.

6. Leave optional Admin fields blank if unknown.