Rabies Epidemiological Bulletin (REB): What it is and how it can help

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MERACON: Returning to rabies elimination
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Rabies Surveillance

• Surveillance is critical to:
  • Understand disease dynamics;
  • Track and Monitor progress;
  • Forecast vaccine requirements;
  • Support the case for elimination (advocacy, political will, international interest);
  • Demonstrate progress and success;
  • Gather Evidence for declaration of freedom.
Data collection and analysis in the SARE

- One Health Rabies Surveillance System
- Patient and PEP tracking
- Laboratory data analysis and reporting
- Integrated bite case management (IBCM)
- Dog vaccination tracking
- Simplifying International reporting
- Automatic reporting and data aggregation
- Good rabies surveillance

Automatic reporting and data aggregation

Simplifying International reporting

One Health Rabies Surveillance System

Patient and PEP tracking

Laboratory data analysis and reporting

Integrated bite case management (IBCM)

Dog vaccination tracking

Good rabies surveillance
Data collection and analysis in the SARE

One Health Rabies Surveillance System

One system can help you accomplish all these activities!
What is the Rabies Epidemiological Bulletin (REB)

• **Web-based** rabies surveillance system.

• **Designed for countries** to help improve their:
  • surveillance,
  • data collection, and
  • analysis.
What is the Rabies Epidemiological Bulletin (REB)

- **Government owned** and driven

- Based on the **DHIS2** software

- Surveillance on all levels
  - Local (communities, individual clinics)
  - National
  - International
One Health Rabies Surveillance System

Good rabies surveillance

- Patient and PEP tracking
- Laboratory data analysis and reporting
- Integrated bite case management (IBCM)
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- Simplifying International reporting
- Automatic reporting and data aggregation
 ✓ Comprehensive rabies surveillance system.

 ✓ Integrated, intersectoral data sharing.

 ✓ Facilitates accurate data reporting.

 ✓ Dedicated, One Health, rabies surveillance system:

 ✓ Data collection, analysis and reporting
 ✓ Feedback mechanisms
 ✓ Animal and Human rabies surveillance
Advantages of the Rabies Epidemiological Bulletin

Automatically generates:
• Graphs
• Maps
• Pivot tables

Tracks:
• Vaccinations
• Rabies cases
• Human bite cases
Advantages of the Rabies Epidemiological Bulletin

Compatible with:

• Computers
• Mobile Phone App
• Custom vaccination tracking device
Advantages of the Rabies Epidemiological Bulletin

Human Health data

Animal Health data
Automatic reporting and data aggregation
Reporting of data to the National level

• Often, data is not reported from the local-level to national.

• Therefore, stakeholders remain unaware of the burden.

• As a result, rabies is not considered a problem or priority in the country.
Reporting of data to the National level

• The REB helps with **data aggregation**
  • Automatically reports data from **local** to **national level**.

• Data **visualised and analyzed automatically** for any administrative level.
Dog vaccination tracking

Good rabies surveillance

Dog vaccination tracking

Simplifying International reporting

Automatic reporting and data aggregation
Rabies Vaccination Tracker

- **Individual tracking** of every vaccinated animal.
- **Maps** automatically created and updated.
- **Real-time campaign monitoring**.
- **Determine vaccination coverage**.
- **Identify gaps** in vaccination.

GARC Data Logger
Rabies Vaccination Tracker

Some examples from Africa

- Zimbabwe
- Malawi
- Zanzibar
- Mozambique
Rabies Vaccination Tracker

Since 2018, more than 350,000 vaccinated animals have been tracked using the REB.
Laboratory data analysis and reporting

- Good rabies surveillance
- Laboratory data analysis and reporting
- Patient and PEP tracking
- Laboratory data analysis and reporting
- Integrated bite case management (IBCM)
- Dog vaccination tracking
- Simplifying International reporting
- Automatic reporting and data aggregation
Rabies Case Surveillance

✓ Facilitates mapping and analysis of all field and/or laboratory-diagnosed cases.

✓ Identifies rabies hotspots.

✓ Accurate record-keeping and tracking.

✓ All data stored on the REB and belongs to the government.
Rabies Case Surveillance

Some examples from Africa

Zimbabwe

Zanzibar

Uganda
The GARC App: Bringing the REB to your phone
GARC Mobile phone app available

Brings the REB to your smartphone.

Access anywhere, any time.
✓ Track dog vaccinations
✓ Track bite victims
✓ IBCM in your hand
✓ Laboratory reporting

Can be used offline
REB: Ready to implement
• The Rabies Epidemiological Bulletin is ready to implement in your country.

• You can choose to begin with any aspect of the system.

• No obligation to use all features.

• Contact me if you are interested in any other features.
REB: Ready to implement

Automatic reporting and data aggregation
One Health Rabies Surveillance System
Patient and PEP tracking
Integrated bite case management (IBCM)
Laboratory data analysis and reporting
Simplifying International reporting
Dog vaccination tracking

REB: Ready to implement
Conclusion

• Rabies elimination is a complex task.

• There is no need to complicate things further.

• There are tools available to make your job easier.

• The Rabies Epidemiological Bulletin (REB) can address all your surveillance, data collection and reporting needs.
  • Everything from community to national data collection and reporting.
Thank you

• More information on the REB and supporting tools:
  
  • GARC’s Rabies Epidemiological Bulletin
    https://rabiesalliance.org/capacity-building/reb
  
  • GARC Data Logger
    https://rabiesalliance.org/capacity-building/gdl
  
• Email us to discuss your needs: reb@rabiesalliance.org