Cambodia

Road Crash and Victim Information System (RCVIS)

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1. Handicap International Belgium

- Created in 1982 at Khmer-Thai border
- Non governmental organization.
- Two main missions:
  - Rehabilitation
  - Prevention
- Presence in 16 countries
- The objective is to help people with disabilities to regain their independence, dignity and rights.
- Our vision is of a world in which all forms of disabilities can be prevented, cared for or integrated, and in which the rights of people with disabilities are respected and applied.

2. Road Safety Program in Cambodia

In 2003, HIB launched a road safety program in Cambodia. The program has progressively extended both activities and geographical coverage. To date, it consists of 4 components:

1. Road Crash and Victim Information System (RCVIS) and Road Safety Research:
2. Road Safety education
3. Road Safety public awareness and support to civil society
4. Support to government services

3. Introduction of RCVIS

Three different ministries were involved in road crash data collection in Cambodia:

- – Ministry of Public Works and Transport;
- – Ministry of Interior;
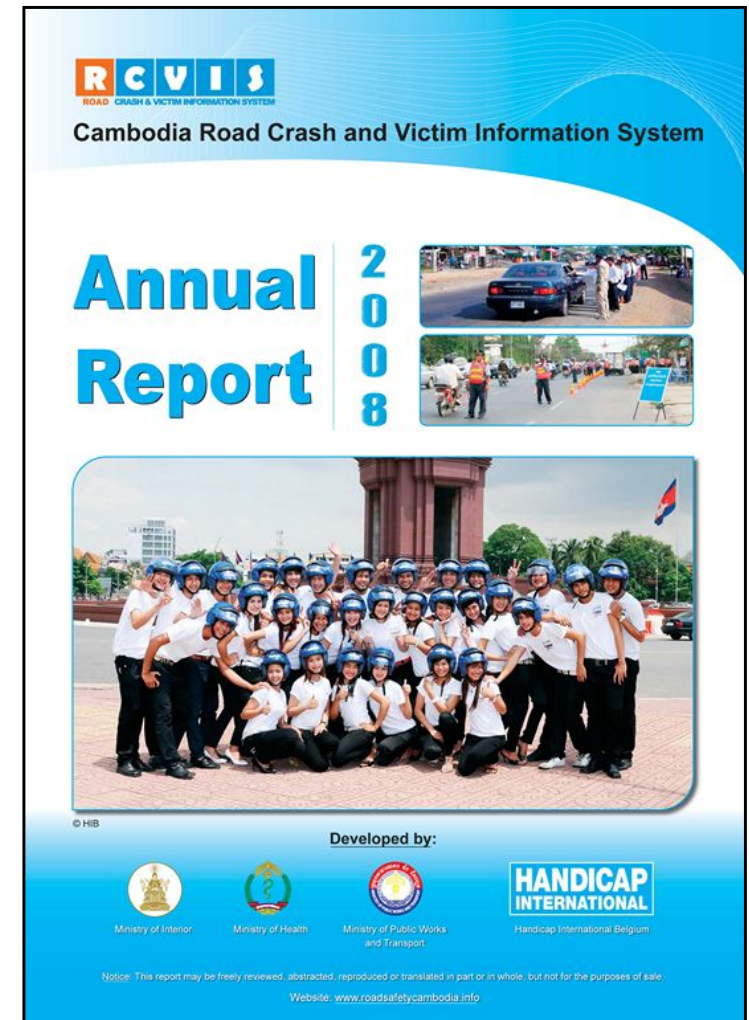- – Ministry of Health.

Although the databases developed by these ministries was providing relevant indications on the road safety situation of the country, a **need for improvement** was observed:

- – Databases were not compatible between each other and there were important discrepancies between them;
- – They under-reporting the real situation;
- – They were limited in their scope.
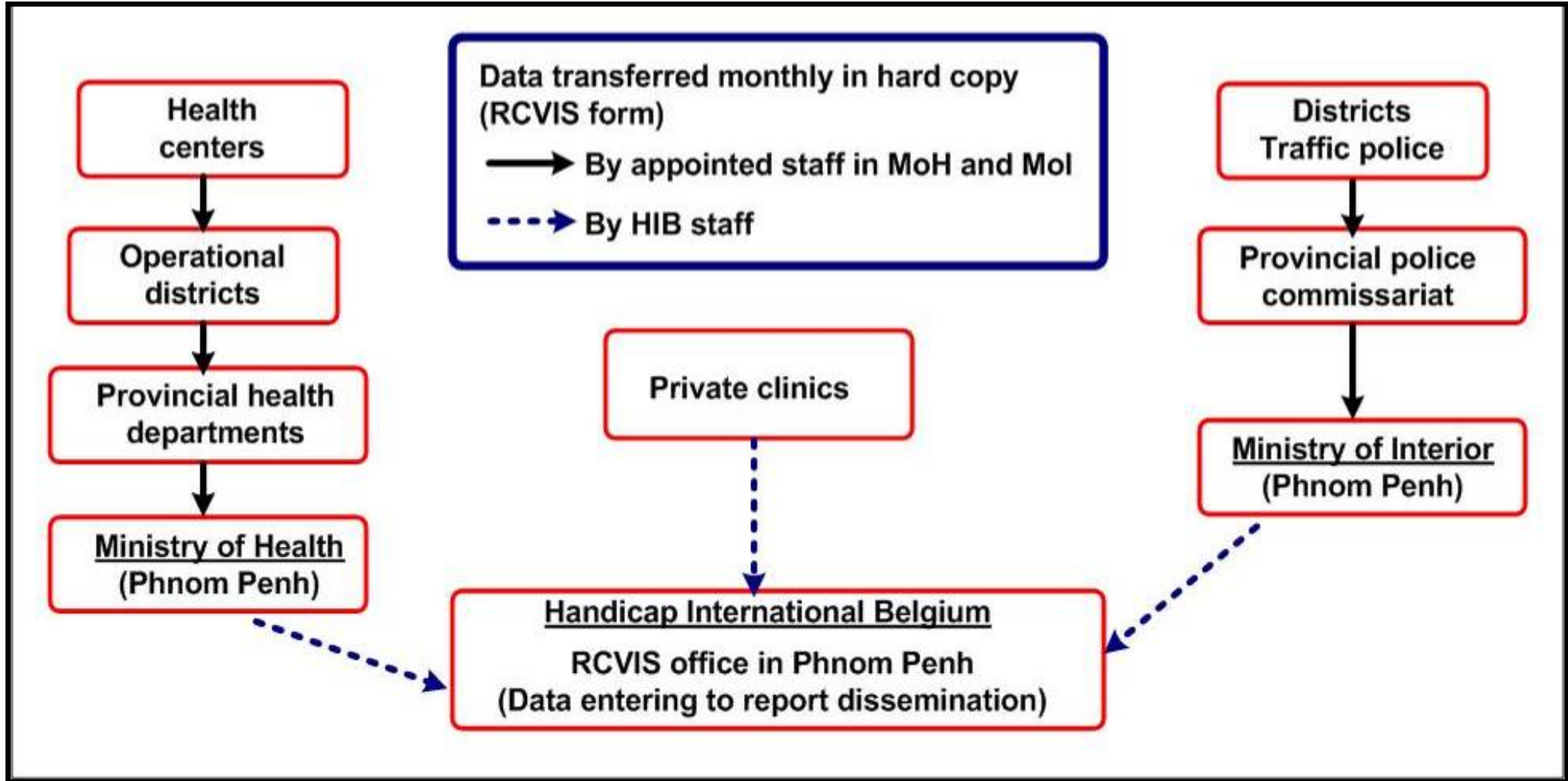
3. Introduction of RCVIS

"Road Crash and Victim Information System" (RCVIS)

Objective: to provide government and development stakeholders in Cambodia with accurate, continuous and comprehensive information on **road crash and victims** for the purposes of **increased understanding** of the current road safety situation, **planning** appropriate responses and policy, and **evaluating** impact of current and future initiatives
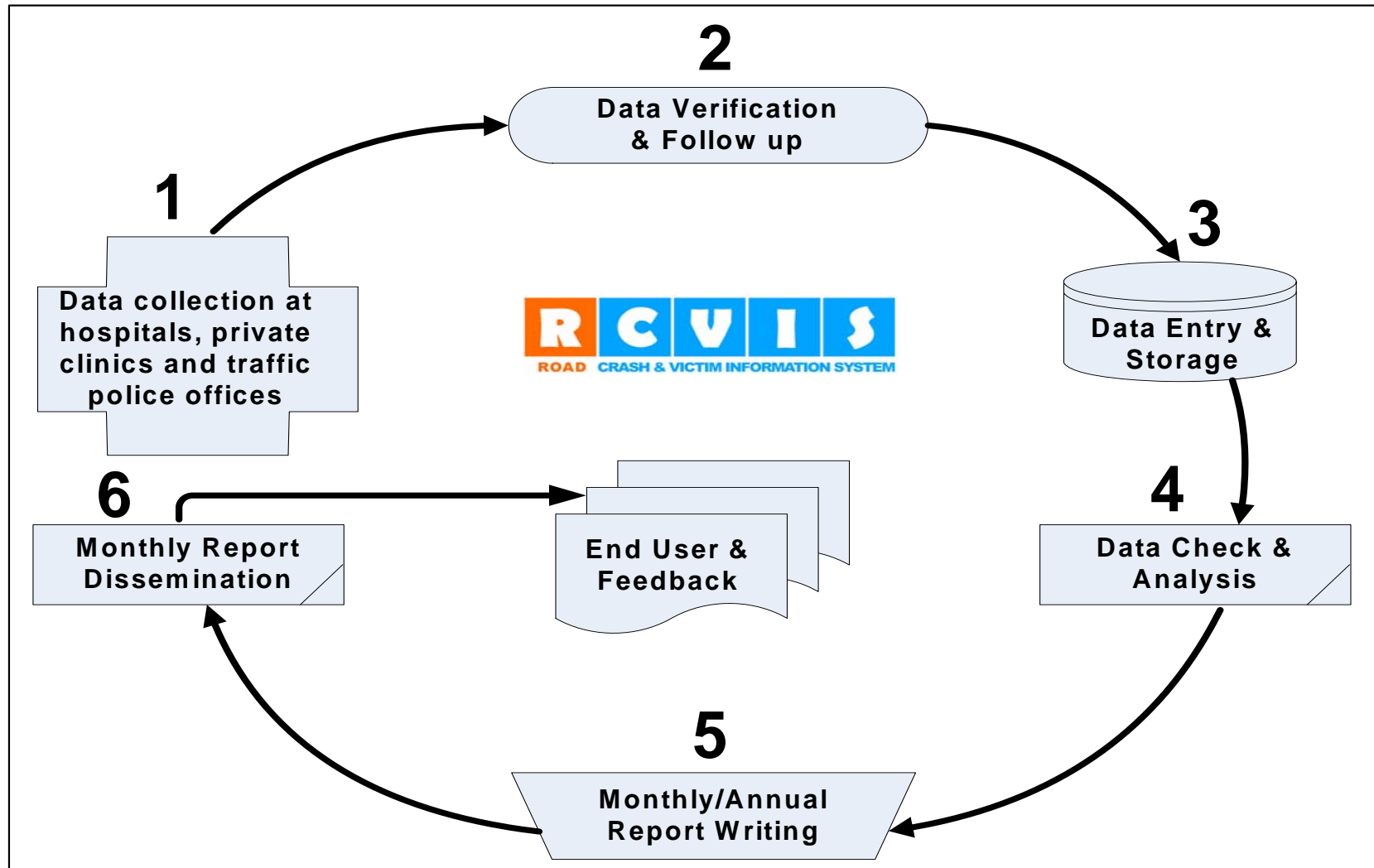
4. System structure

Current structure of data collection flow

5. System operation

System Cycle:

2 — Data Verification & Follow up

1 — Data collection at hospitals, private clinics and traffic police offices

3 — Data Entry & Storage

6 — Monthly Report Dissemination

End User & Feedback

4 — Data Check & Analysis

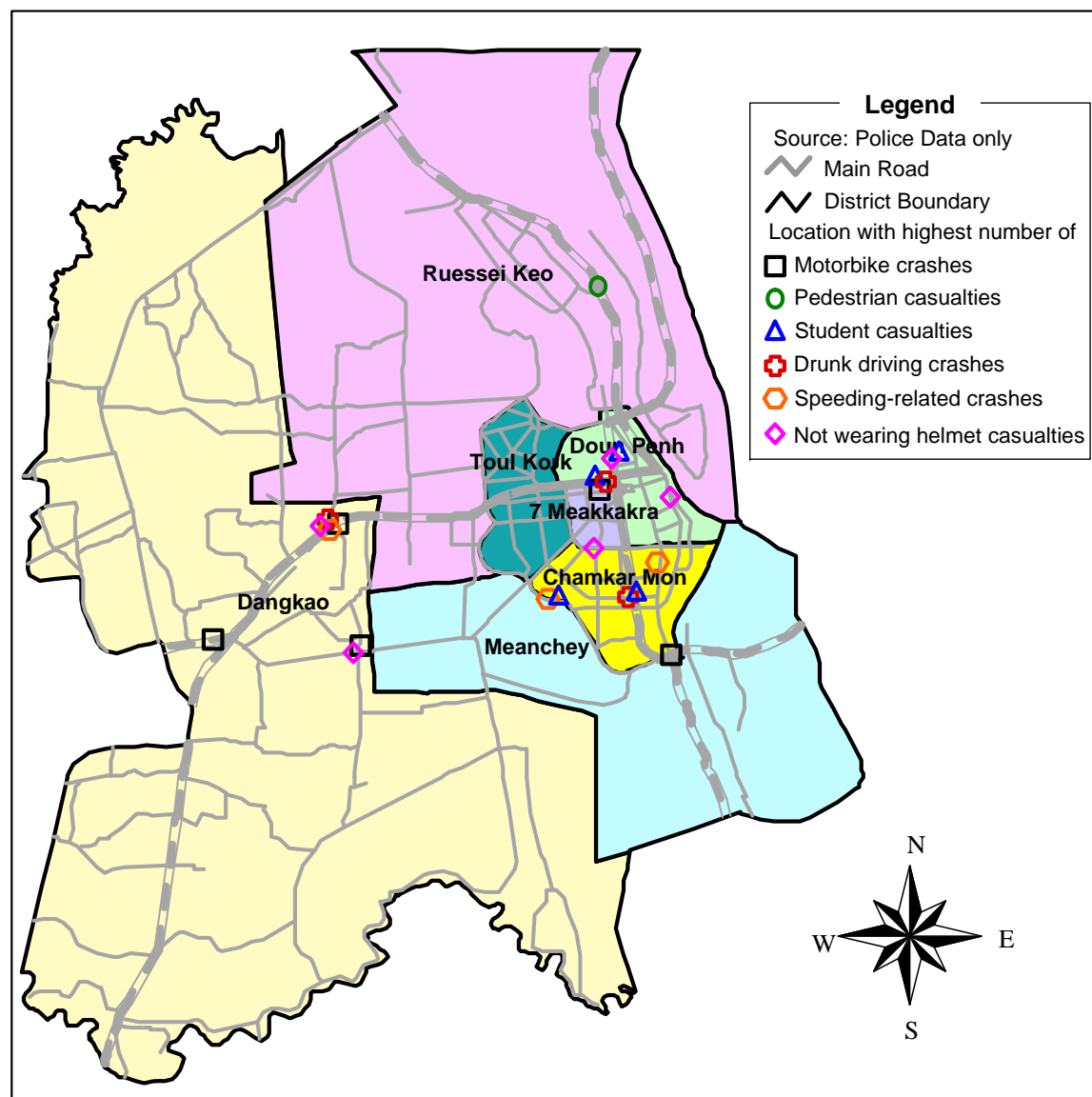**5** — Monthly/Annual Report Writing

6. Global positioning system (GPS)

- Pilot one district in Phnom Penh since and extended to 24 provinces since 2007.

- 215 GPS devices were distributed to traffic police and training also provided.

- Allowing us now to exactly locate crashes, using GIS data

- Enable RCVIS to identify on the Cambodian Road Network, the locations of crashes easily, quickly and accurately.

- Understand the nature of crash as well as priority actions to implement appropriate treatments

6. Global positioning system (GPS)

Example of GPS data: blackspot location in Phnom Penh - 2009

Legend

Source: Police Data only

∿ Main Road

∿ District Boundary

Location with highest number of

☐ Motorbike crashes

○ Pedestrian casualties

△ Student casualties

✛ Drunk driving crashes

⬡ Speeding-related crashes
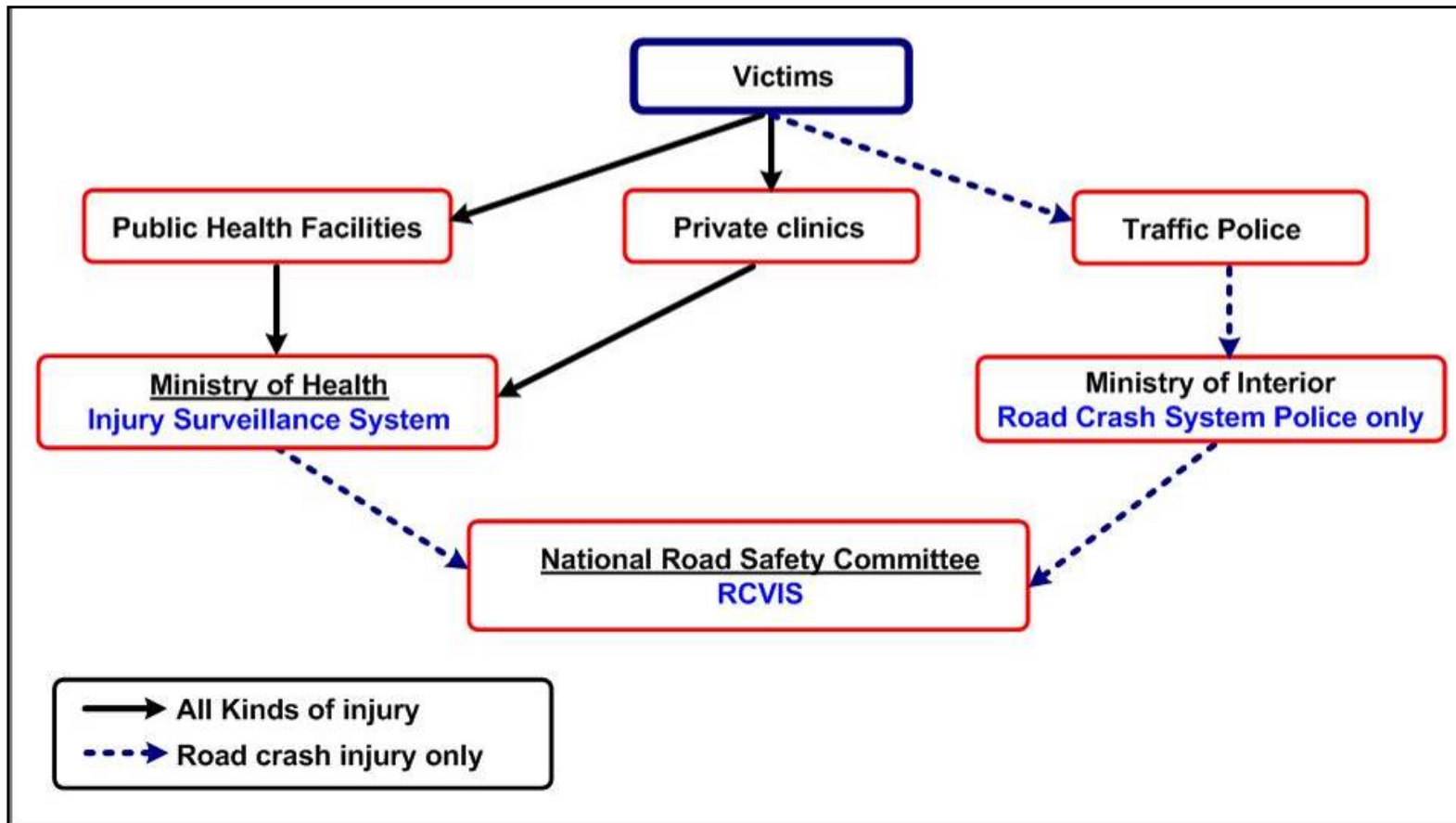
◇ Not wearing helmet casualties

7. Usefulness of the system

- Increased political will by highlighting road crash situation

- Identification and improvement of black-spots along road network

- Reference to develop plans and proposals

- Evaluation tool for RS actions

- Extension to another system (ISS)

- Primary reference for media and partners

8. Future structure

Future structure of the system:
- Traffic police database under MoI
- Injury Surveillance System Database under MoH
- RCVIS database under NRSC

9. Conclusion

The system:

- Integrating RCVIS into the <u>existing government structure</u> is the best approach for the system sustainability

- <u>Legal framework</u> for data exchange among related ministries is the main key element in coordination for data collection.

- Strong collaboration among related ministries is required for the success of the system.

- The RCVIS is <u>progressively transferred</u> to the Ministry of Health, Interior and National Road Safety Committee by providing training to ministries staff on database management

- RCVIS also has been adopted and <u>extended</u> to a broader Injury Surveillance System (ISS)

9. Conclusion

The Data

- RCVIS has provided <u>accurate and useful information</u> on road crashes and victims in Cambodia

- The Data are <u>used by the government</u> for planning targeted programs, monitoring /updating action plan, strategies, policy making and legislative development. Quality of the data and report is key vital for raising awareness and commitment of the government.

- RCVIS also has played an important role to provide priority recommendations for the Cambodian road safety sector, particularly on the development of the **2011-2020 national road safety action plan.**

THANK YOU