

# Non-fatal Injury Surveillance for South Africa

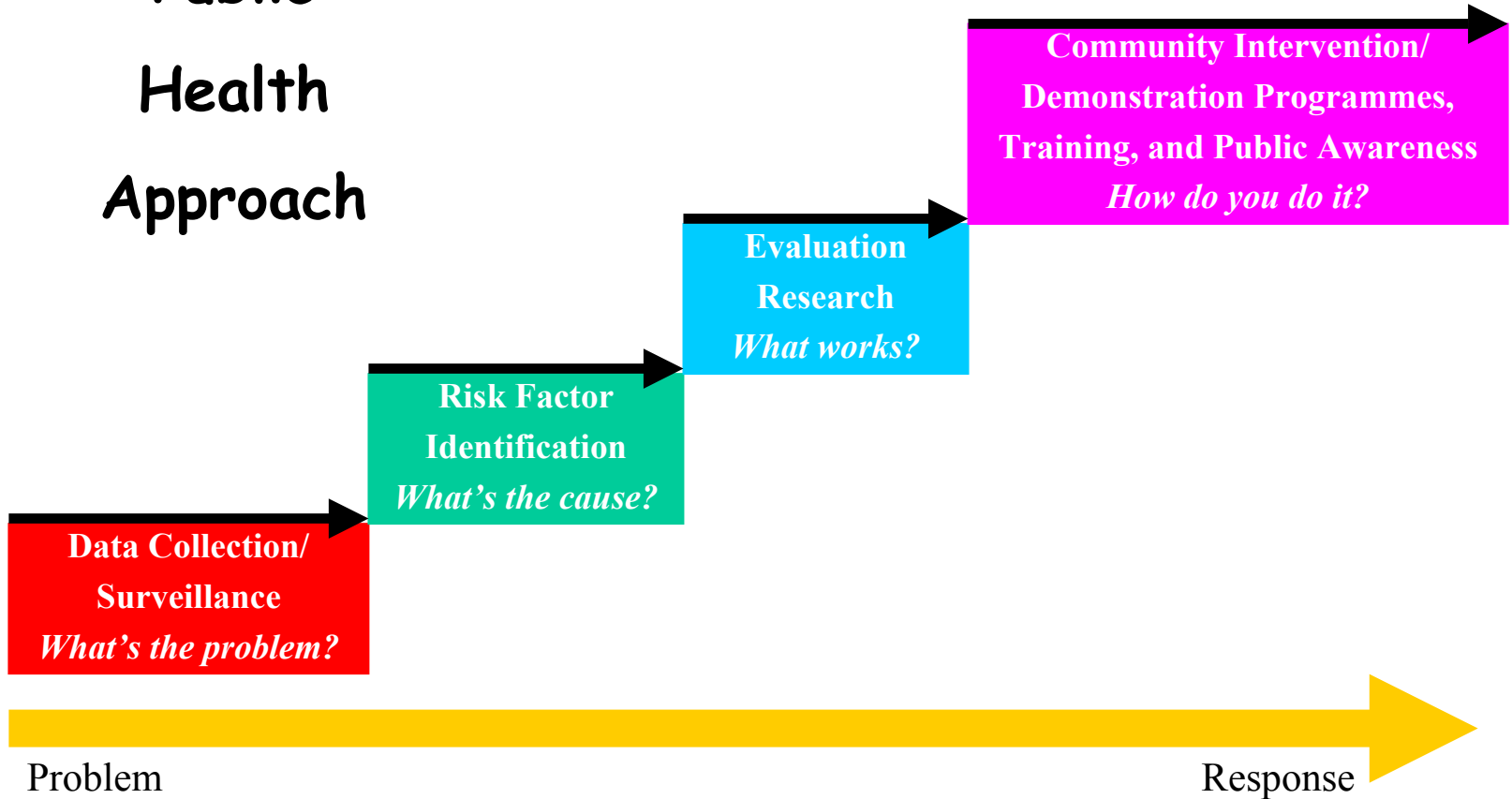
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Dr Margie Peden, MRC, Scientific Leader

PRHC Meeting, 11 August 2000  
Johannesburg



A DACST Innovation Fund Project

**A**  
**Public  
Health  
Approach**

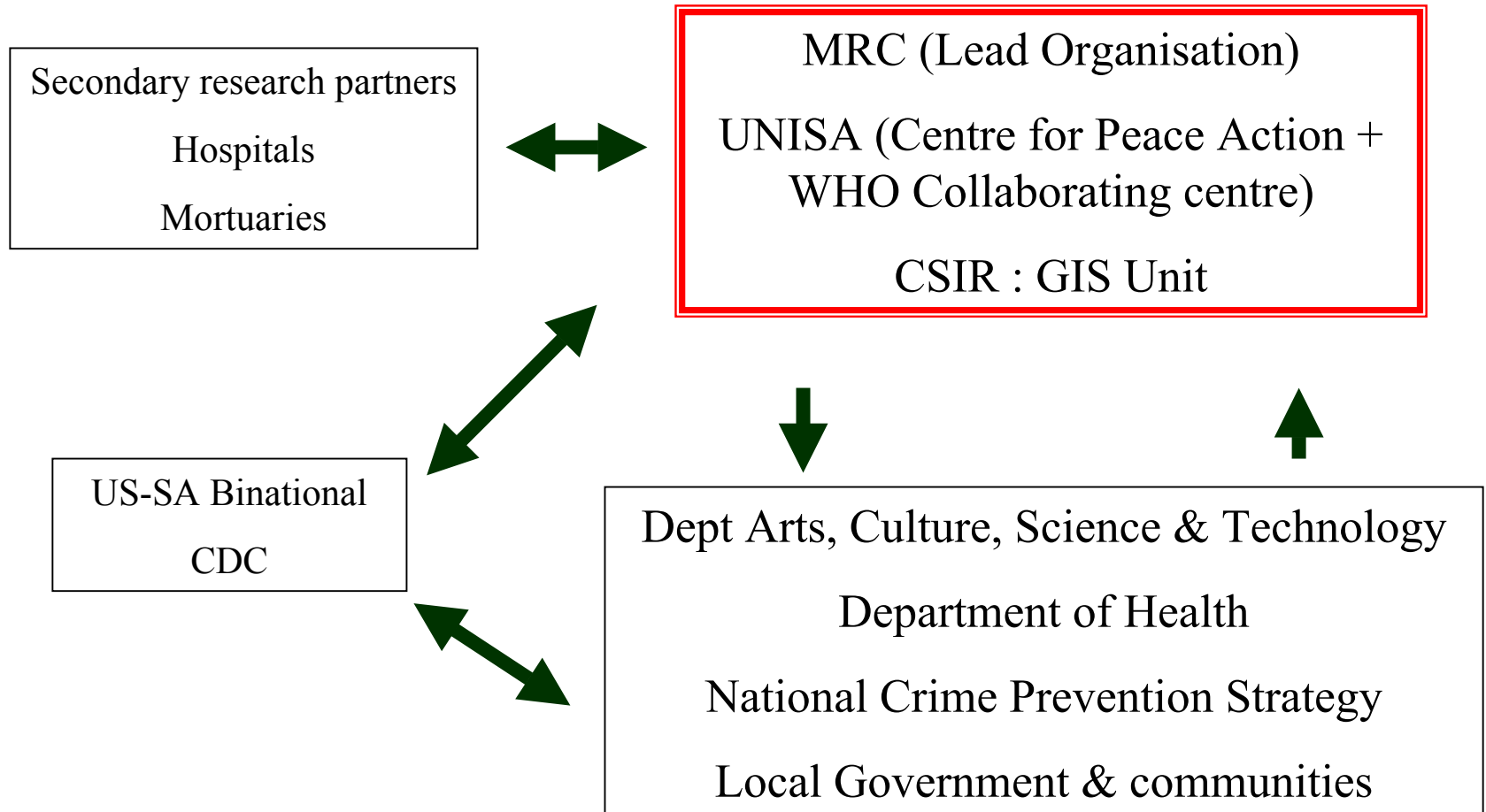


# Major roles for Injury Surveillance

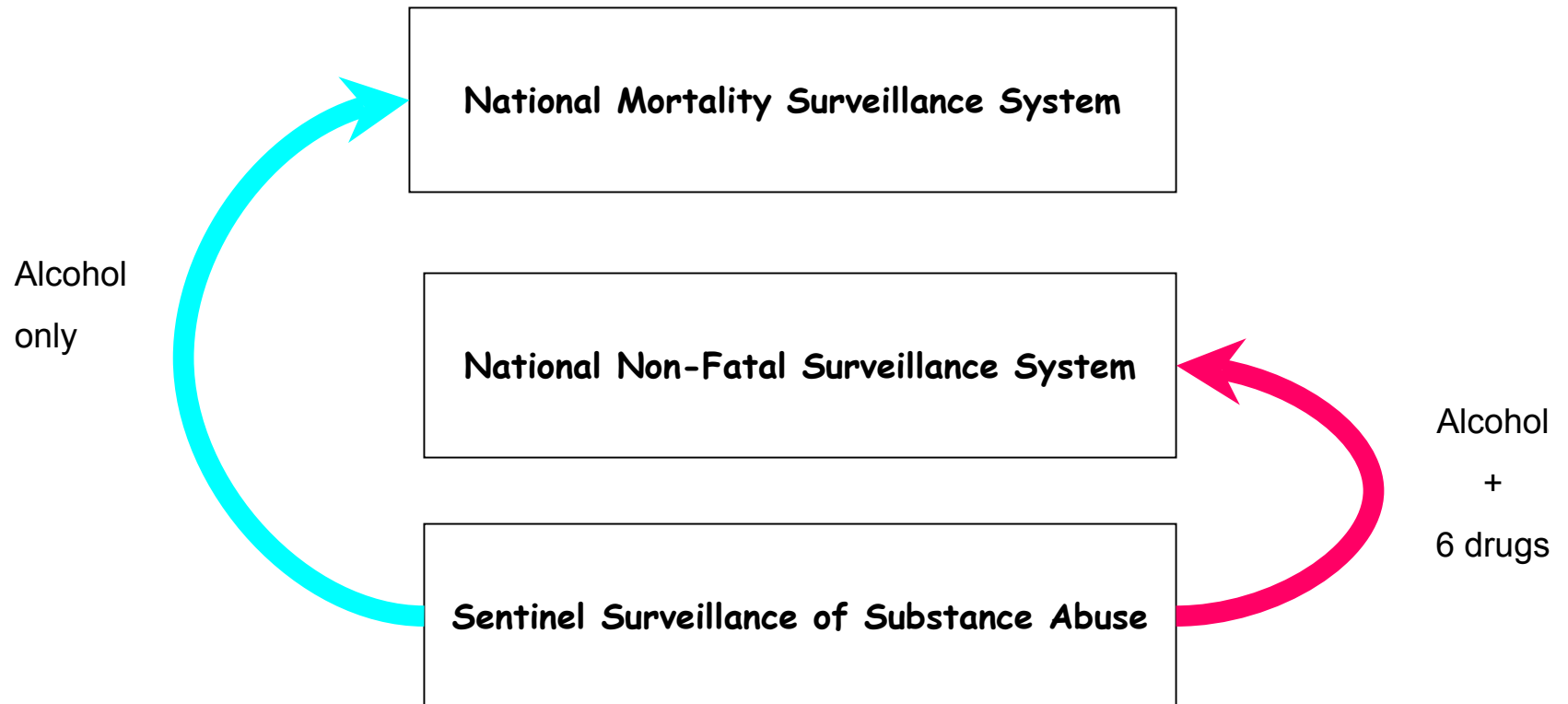
Surveillance is critical for reducing morbidity & mortality from injuries.

- Evaluating the extent of the problem
- Setting priorities
- Developing policies and implementing programmes
- Monitoring and evaluating prevention strategies

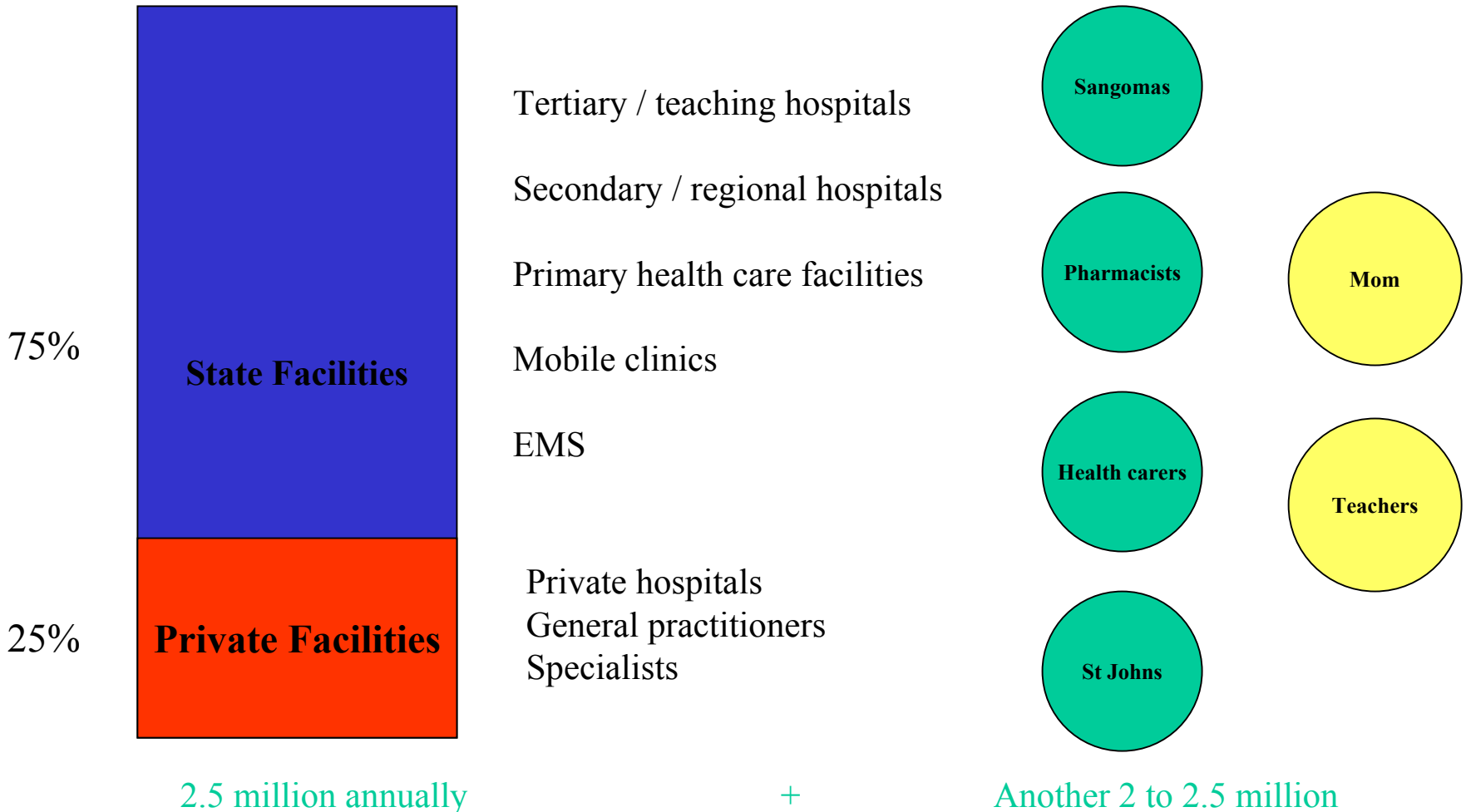
# Consortium & Clients



# Key Activities



# Who treats the injured in SA?

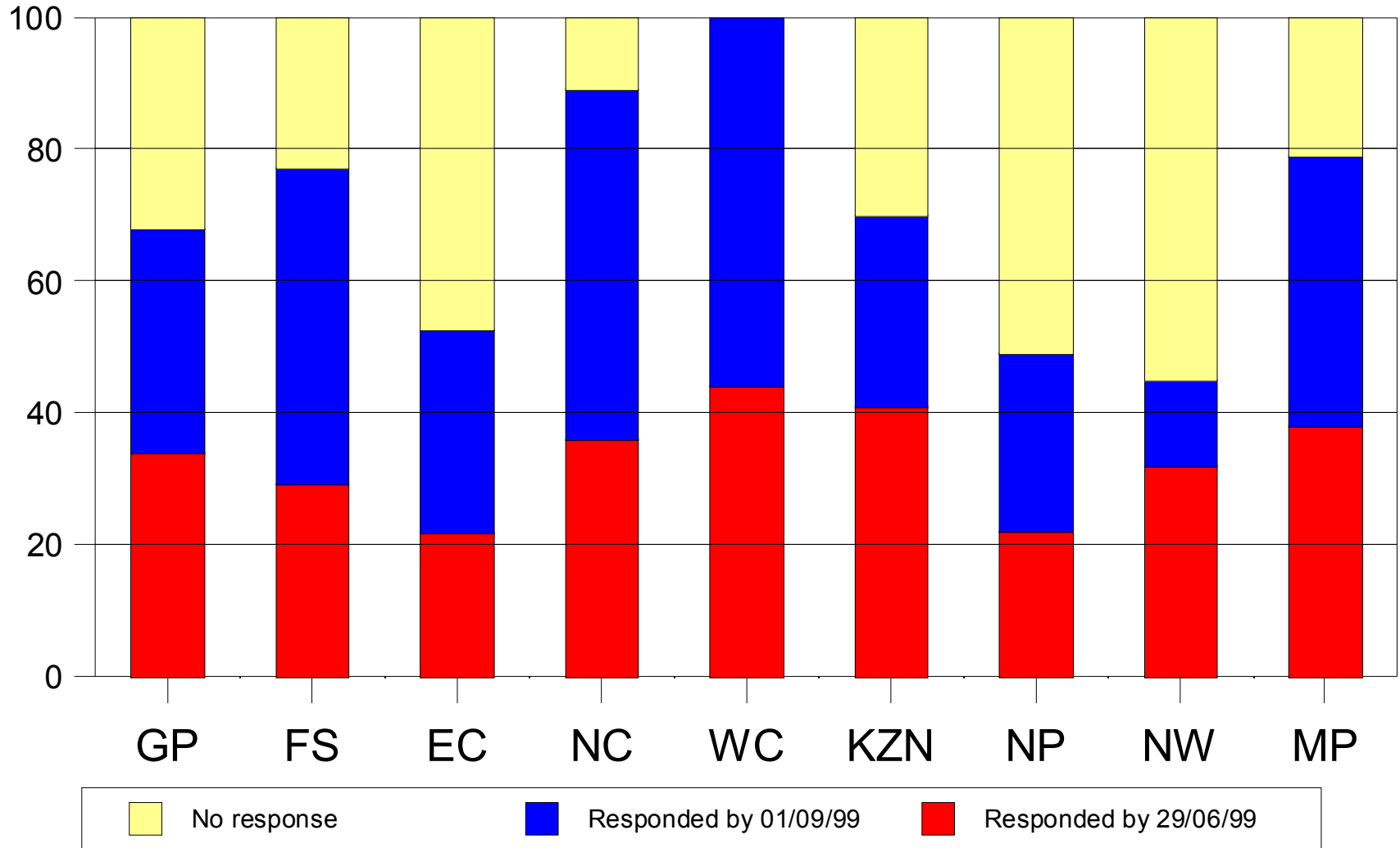


# Rapid Assessment of State Trauma Facilities in South Africa

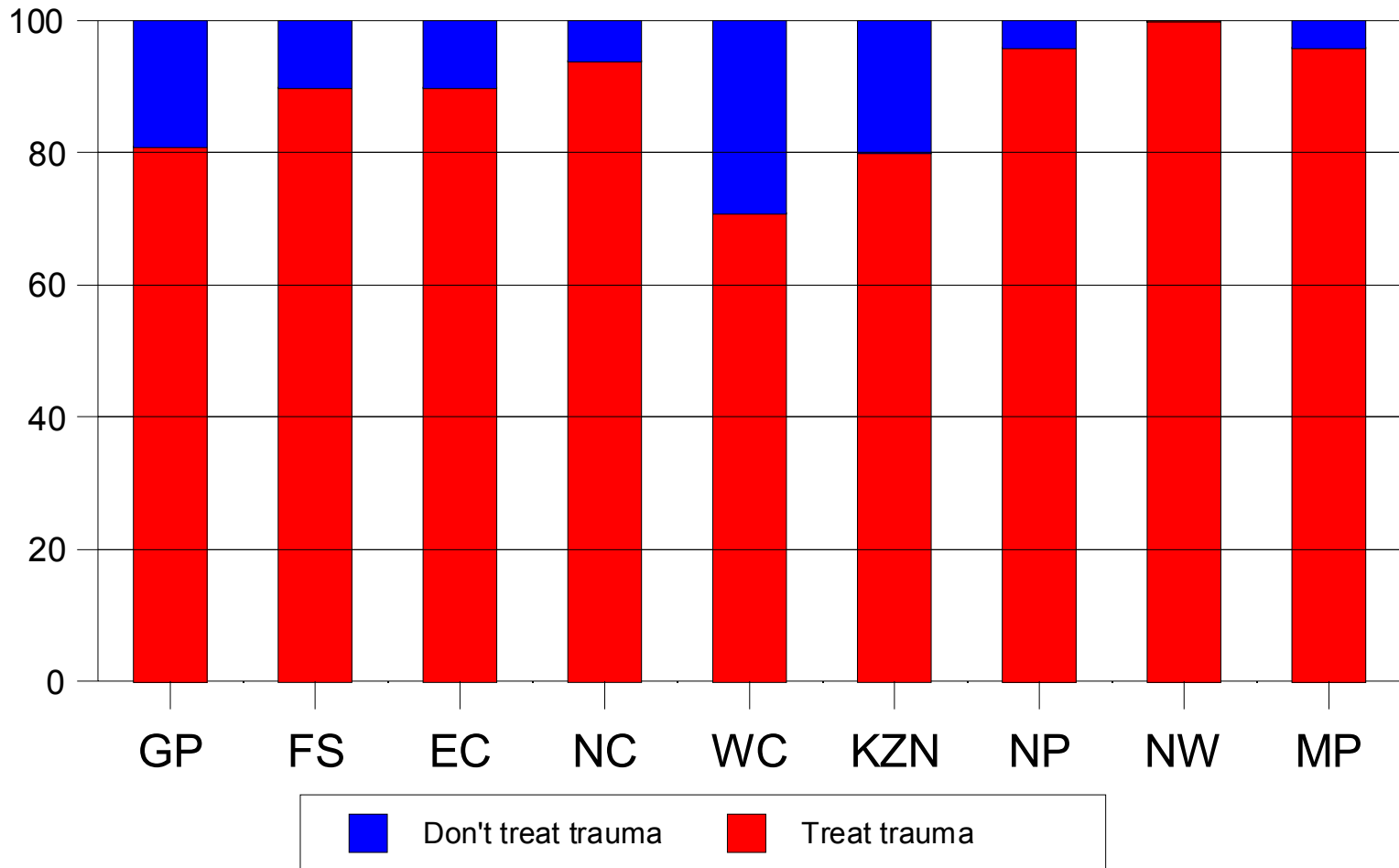
Medical Superintendents of all secondary and tertiary state hospitals were asked to answer the following four questions:

- Do you have a casualty department/trauma unit at your facility which treats patients with injuries?
- Approximately how many fresh trauma cases are seen in your casualty department/trauma unit annually?
- Do you keep routine statistics on trauma cases treated at your facility?
- If yes, approximately what proportion are due to:
  - Traffic collisions
  - Violence
  - Other accidents

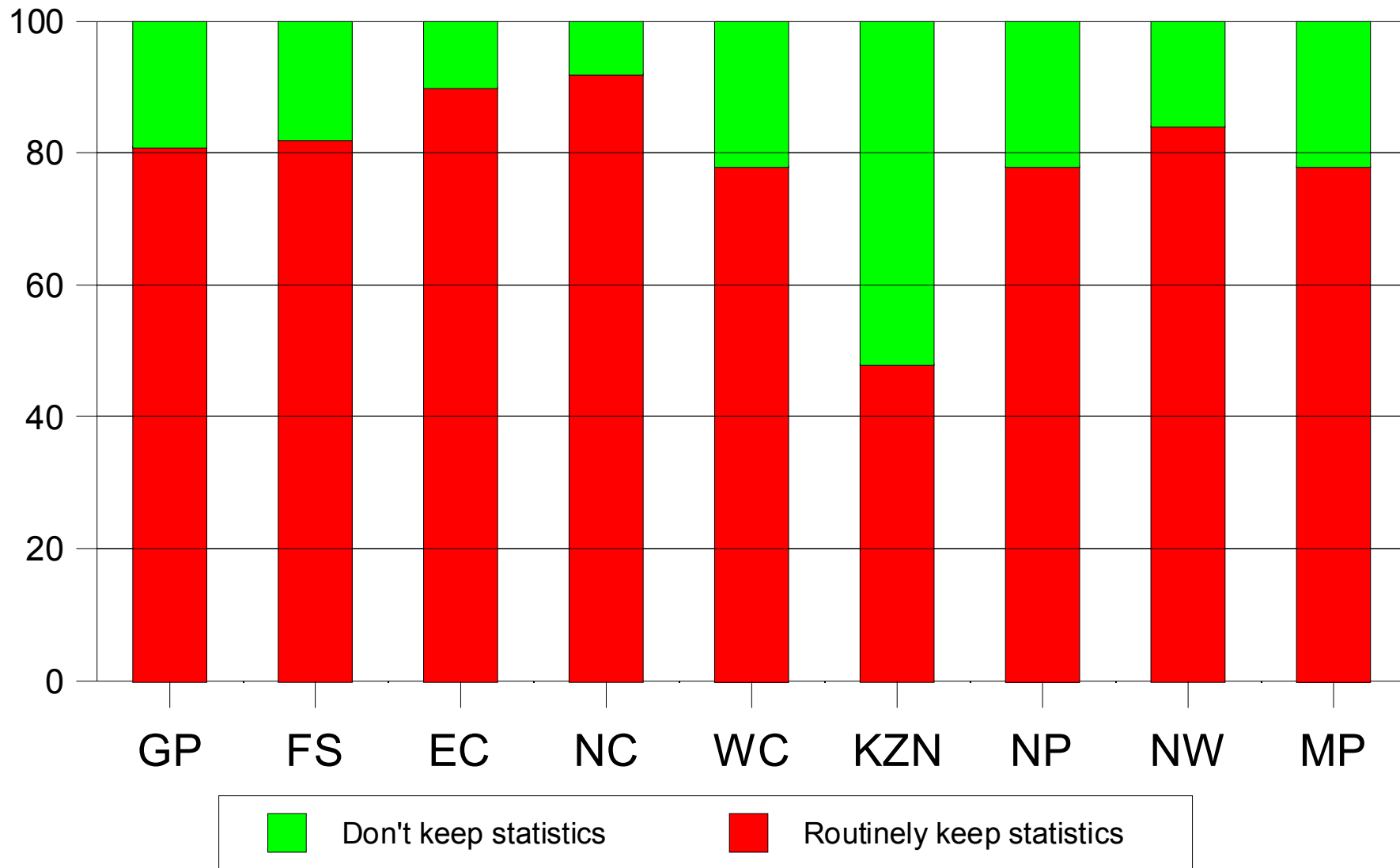
# Proportion of responses in each province



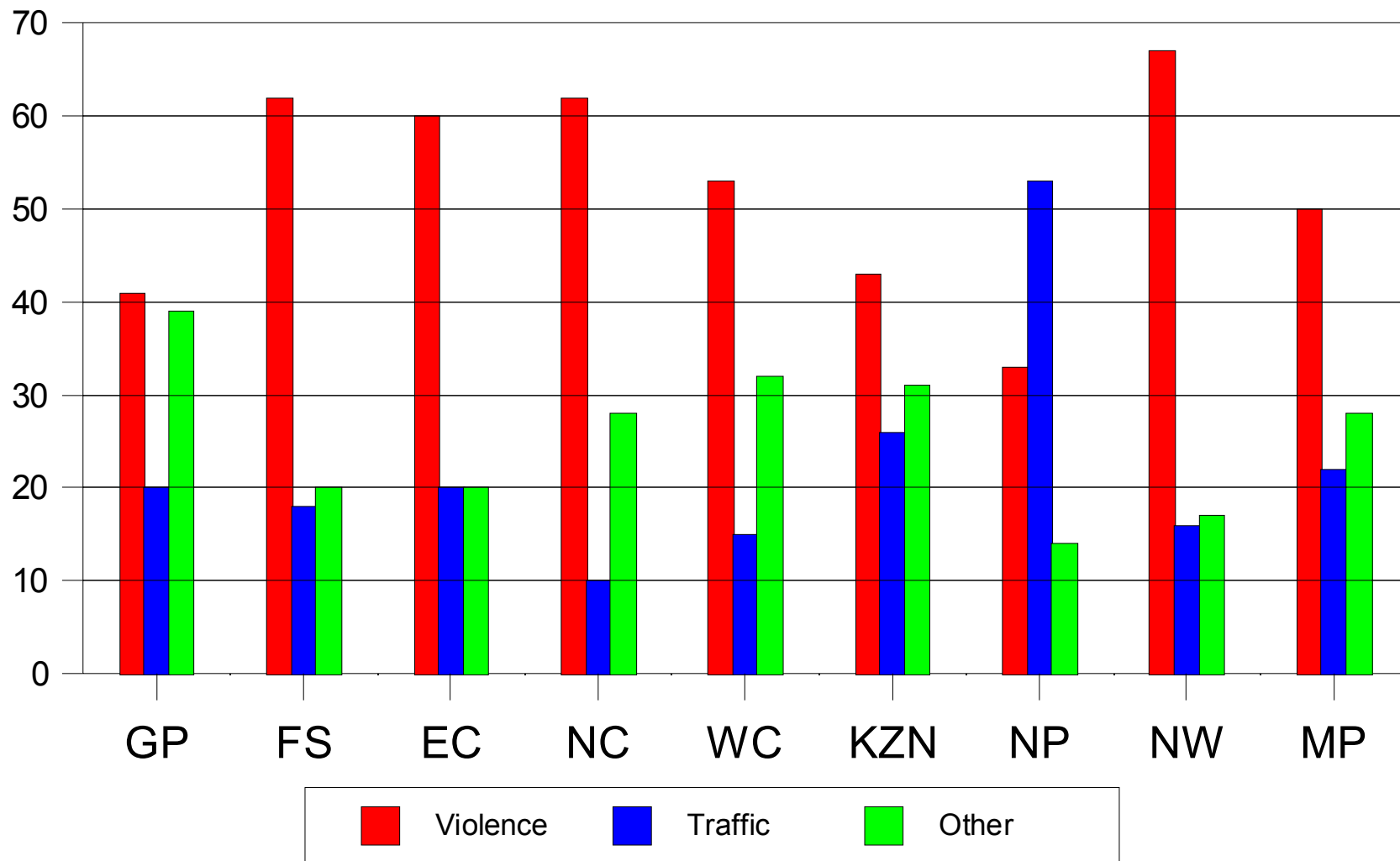
# Proportion of hospitals that treat trauma



# Proportion of hospitals that keep statistics



# Causes of Injury by Province



# Trauma Caseload at State Hospitals

<b>PROVINCES</b>	<b>No. hospitals supplying caseload information</b>	<b>No. trauma cases from questionnaire responses</b>	<b>Mean no. trauma cases per facility</b>	<b>Median no. trauma cases per facility</b>	<b>Headcount data not available</b>	<b>Total no. trauma cases based on mean</b>	<b>Total no. trauma cases based on median</b>
GP	18	198 406	11 023	7 522	9	297 613	266 104
FS	21	79 626	3 792	1 821	7	106 170	92 373
EC	33	150 705	4 567	2 000	26	269 447	202 705
NC	15	50 414	1 621	1 621	3	59 933	55 277
WC	30	236 032	6 297	6 297	1	243 900	242 329
KZN	39	200 144	2 000	2 000	18	294 950	236 144
NP	22	52 112	949	949	22	104 230	72 990
NW	14	36 954	1 301	1 301	17	81 817	59 071
MP	18	41 759	2 248	2 248	6	55 679	55 247
<b>ALL PROVINCES</b>	<b>210</b>	<b>1 028 896</b>	<b>25 964</b>	<b>25 964</b>	<b>108</b>	<b>1 513 739</b>	<b>1 282 240</b>

# Inclusion Criteria

- All provinces
- State secondary & tertiary hospitals
- Urban and rural
- Large and small caseloads
- High and low violence
- High and low traffic collisions
- All injury severities
- Accessible
- Practically feasible
- Don't already have a system in place

