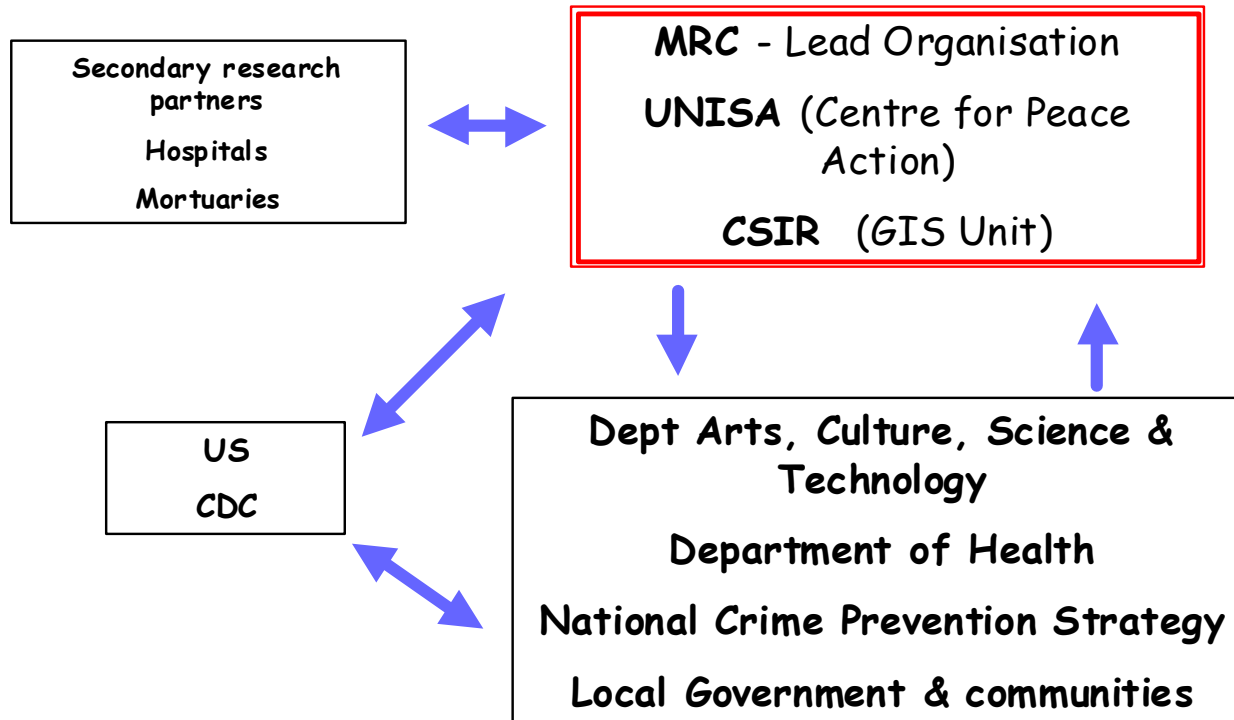


COST OF SURVEILLANCE VS COST OF TRAUMA

N Bhagwandin, J Bopape, R Matzopoulos, M Peden, A Butchart,
S Burrows & A Cooper



Consortium & Clients

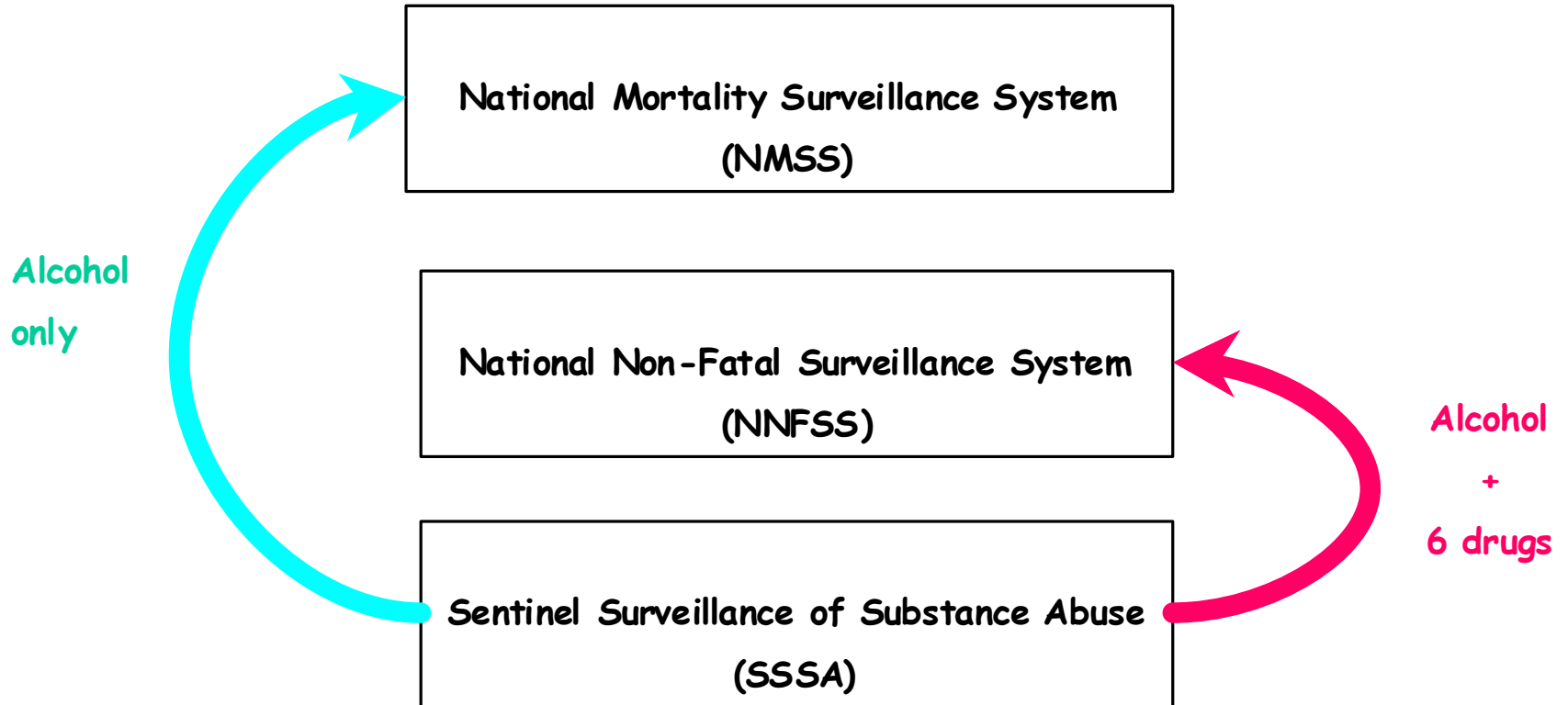


Background

Innovation Fund Project

"VIOLENCE & INJURY
SURVEILLANCE FOR VIOLENCE
PREVENTION"

Key Activities



Definition of surveillance

"Surveillance is a process that involves the ongoing and systematic collection, analysis and interpretation of data relating to the occurrence of a health event, and the timely dissemination of such information to those who need to know and those who need to apply it"

Objectives

- To provide ongoing and systematic information about the incidence, causes and consequences of fatal and non-fatal injuries
- To enable early identification of new violence and injury trends and emerging problem areas so that adequate interventions can be timeously established
- To determine priorities and violence prevention action
- To help evaluate direct and indirect violence and injury prevention measures
- To monitor seasonal and longitudinal changes in violence and injury profiles

Types of surveillance costs

- **Set-up costs**
 - professional time for system development & evaluation
 - participation fees
 - equipment, eg., computers
 - case report forms
 - training
 - statistical analysis
- **Maintenance costs**
 - data capture
 - cleaning, validating, analysis & reporting
 - lab costs
 - postage & communication

Surveillance costs

| Cost type | NMSS | NNFSS | SSSA |
|-------------|--------------|----------------|----------------|
| Set-up | R22 (\$3.50) | R3 (\$0.48) | R130 (\$20.63) |
| Maintenance | R8 (\$1.27) | R1.50 (\$0.24) | R80 (\$12.70) |

Cost of trauma (I)

Fatal: R4000 (\$635)

Cost of trauma (II)

Non-fatal:

| | | |
|---------------|--------|----------|
| Firearm | R8000 | (\$1270) |
| Traffic | R10600 | (\$1680) |
| Rail commuter | R15760 | (\$2500) |

CONCLUSION

Running costs (pa):

| | |
|--------------|-----------------|
| Fatal | R10000 (\$1590) |
| Non-fatal | R7300 (\$1160) |
| Drug/alcohol | R26660 (\$4230) |

Clerk (pa) R48000 (\$7620)

Key Question

How many lives?

Cost of traffic fatality R340000.