

Vaccine Management

Country Assessments

Technet/SIGN Meeting 2001

New Delhi, 27 - 31 August 2001

Presentation Overview

- **assessment tool**
- **assessment methodology**
- **results by indicator and by level**
- **conclusions**

the assessment tool: *why?*

- To analyze the knowledge and practices in vaccine management of health staff at different levels in a country
- To identify gaps so that future suitable support may be provided

the assessment tool: *how?*

- **Nine critical indicators were developed to conduct the assessment**
- **Key questions were formulated according to the level, to assess the performance on each indicator**
- **Performance was scored ranging from 0 to 5.**

the assessment methodology

- **The assessment covered national, sub-national (regions, & districts) and the service delivery levels**
- **Sites were selected using the most recent available DPT3 coverage rate.**

COUNTRIES COVERED

8 countries in W. Africa:

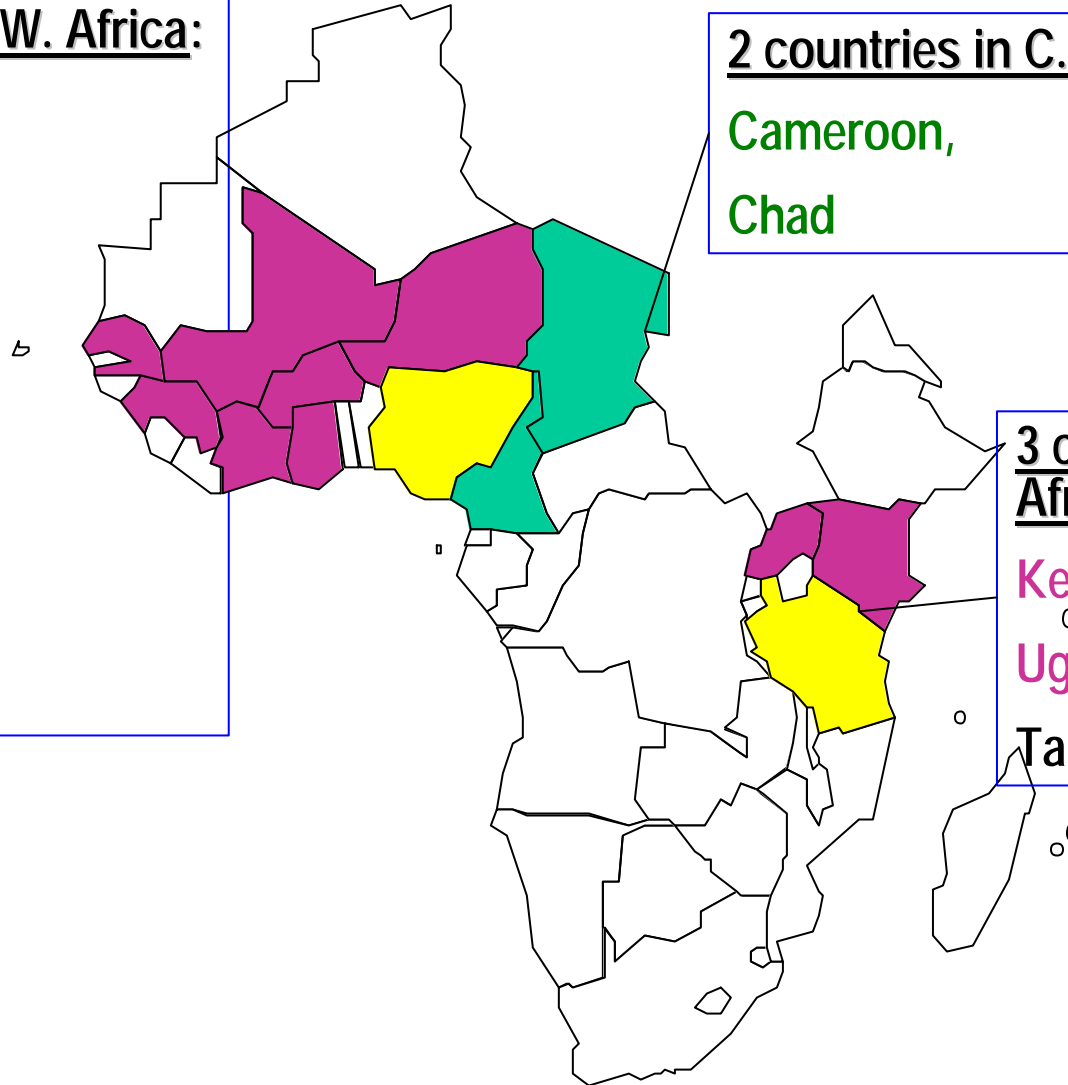
Burkina,
Cote d'Ivoire
Guinée
Ghana
Mali
Niger
Senegal
Nigeria

2 countries in C. Africa:

Cameroon,
Chad

3 countries in E. Africa:

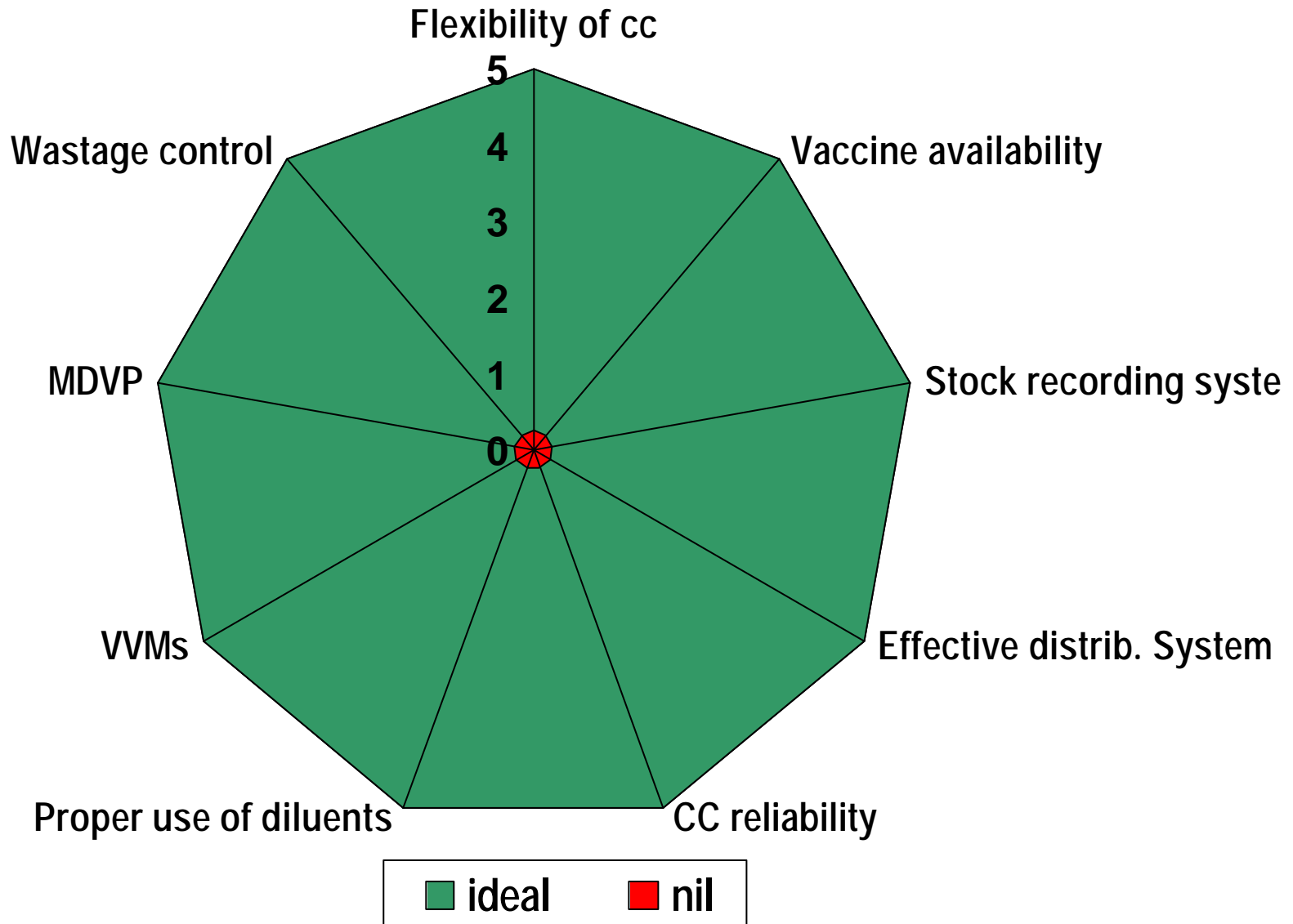
Kenya
Uganda
Tanzania



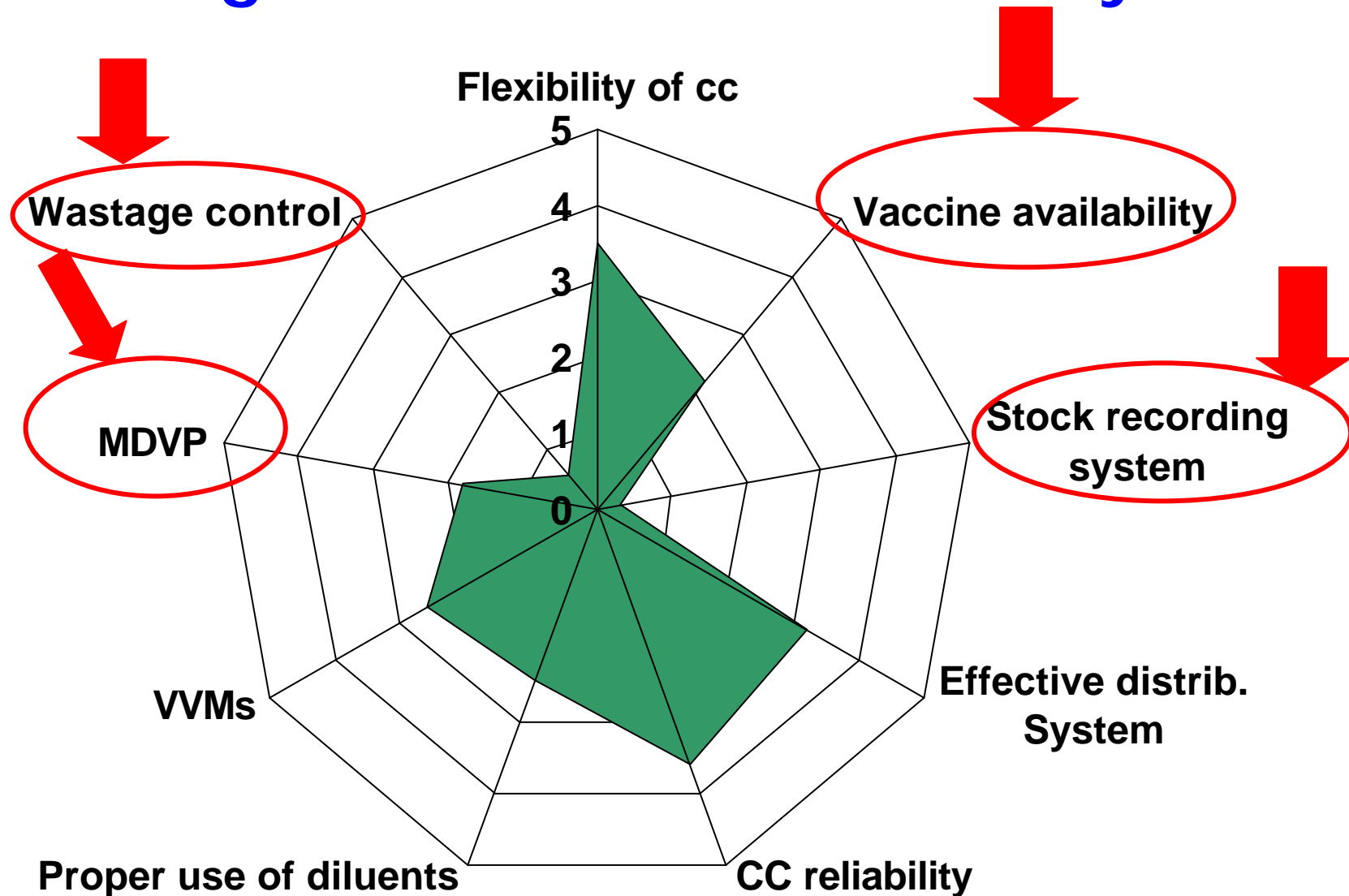
the results ...

- **By level:**
 - national,
 - sub-national
 - service delivery
- **By indicators**

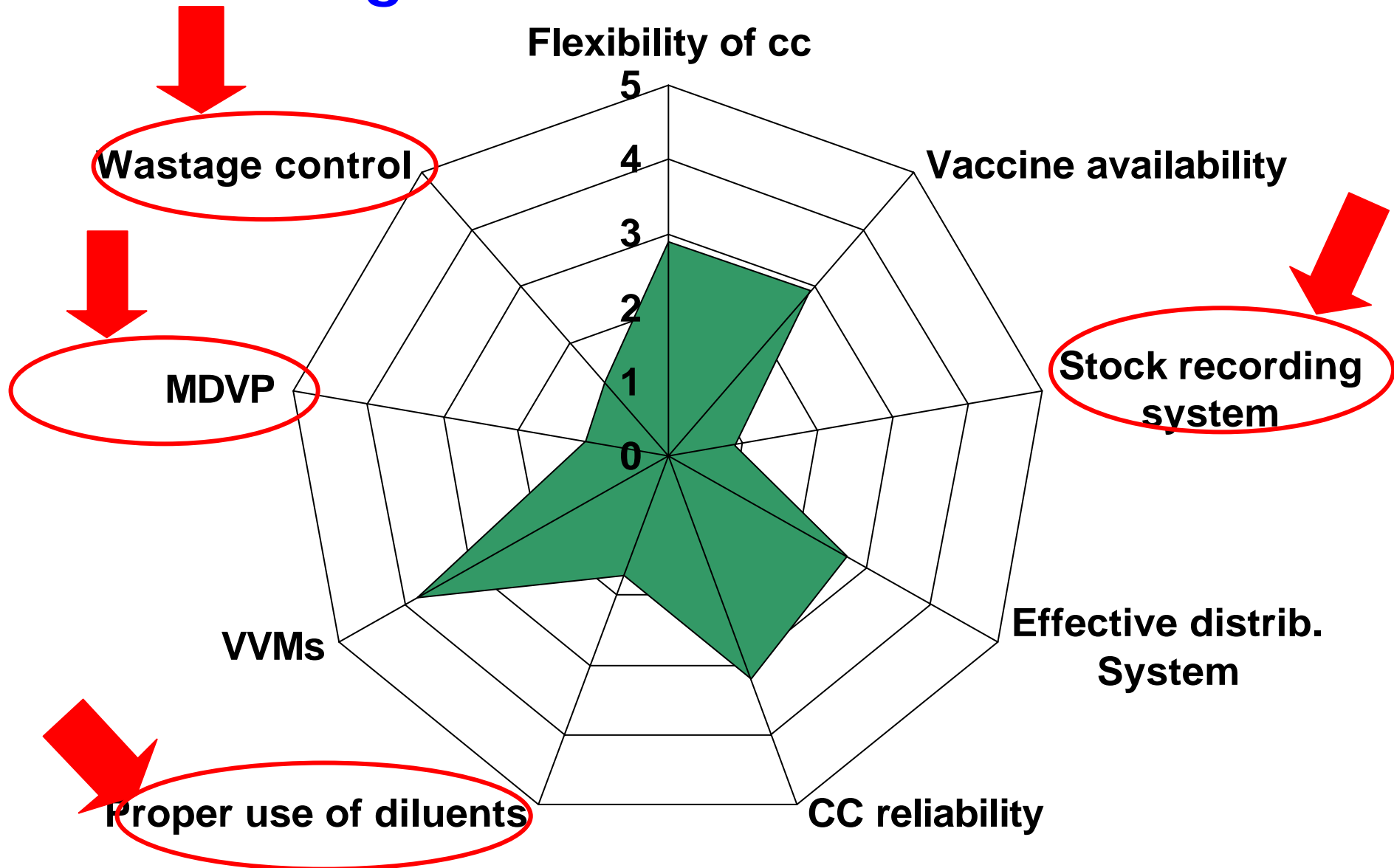
Overall performance of vaccine management



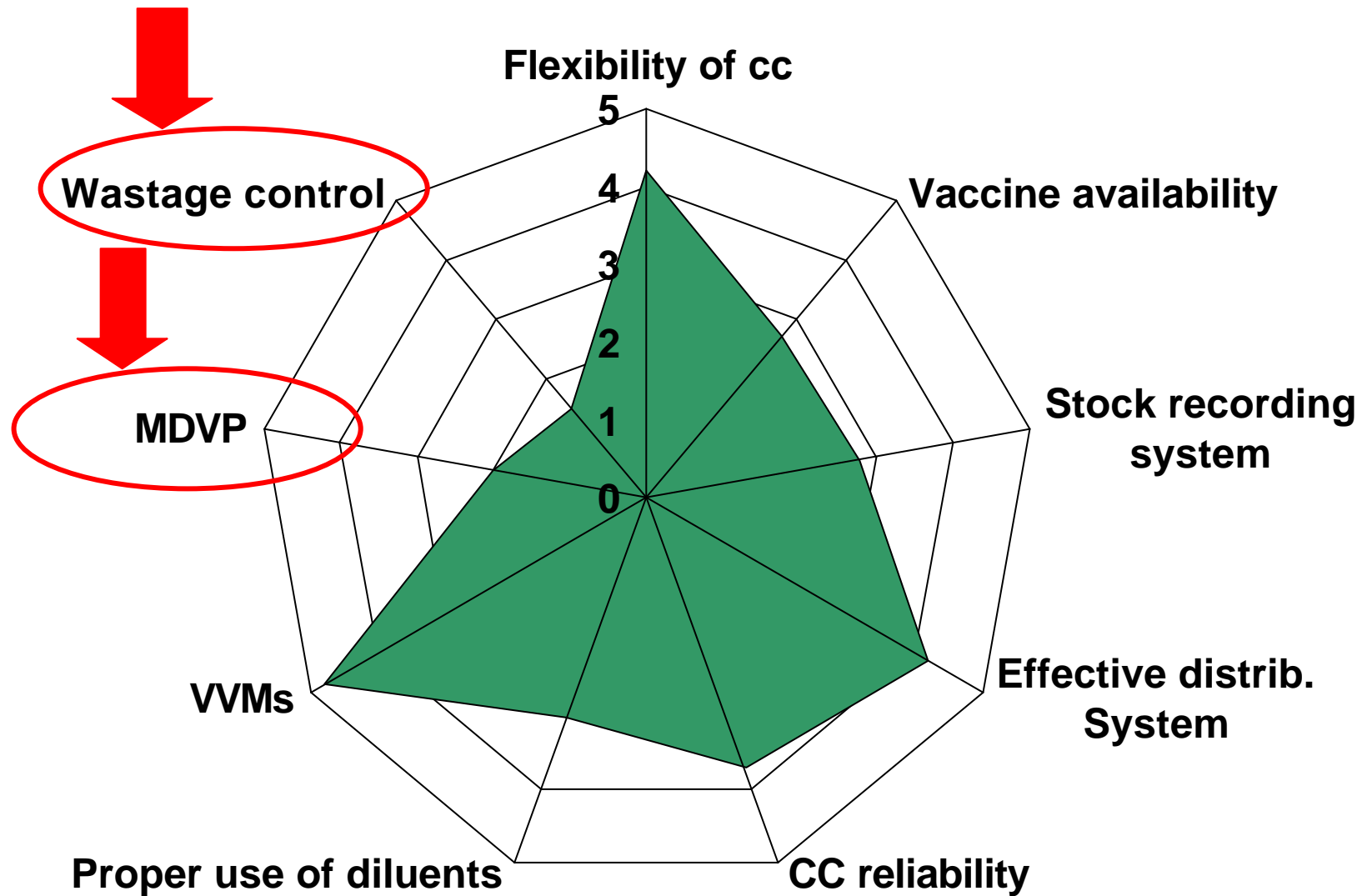
Overall performance of vaccine management at service delivery level



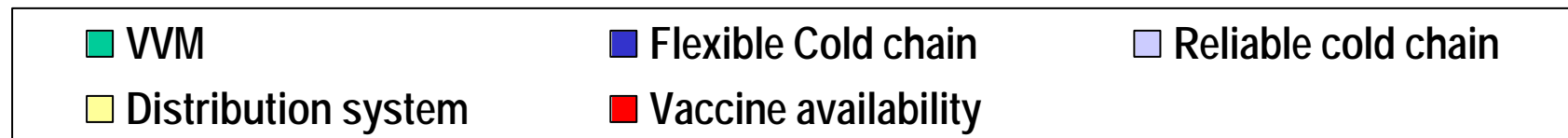
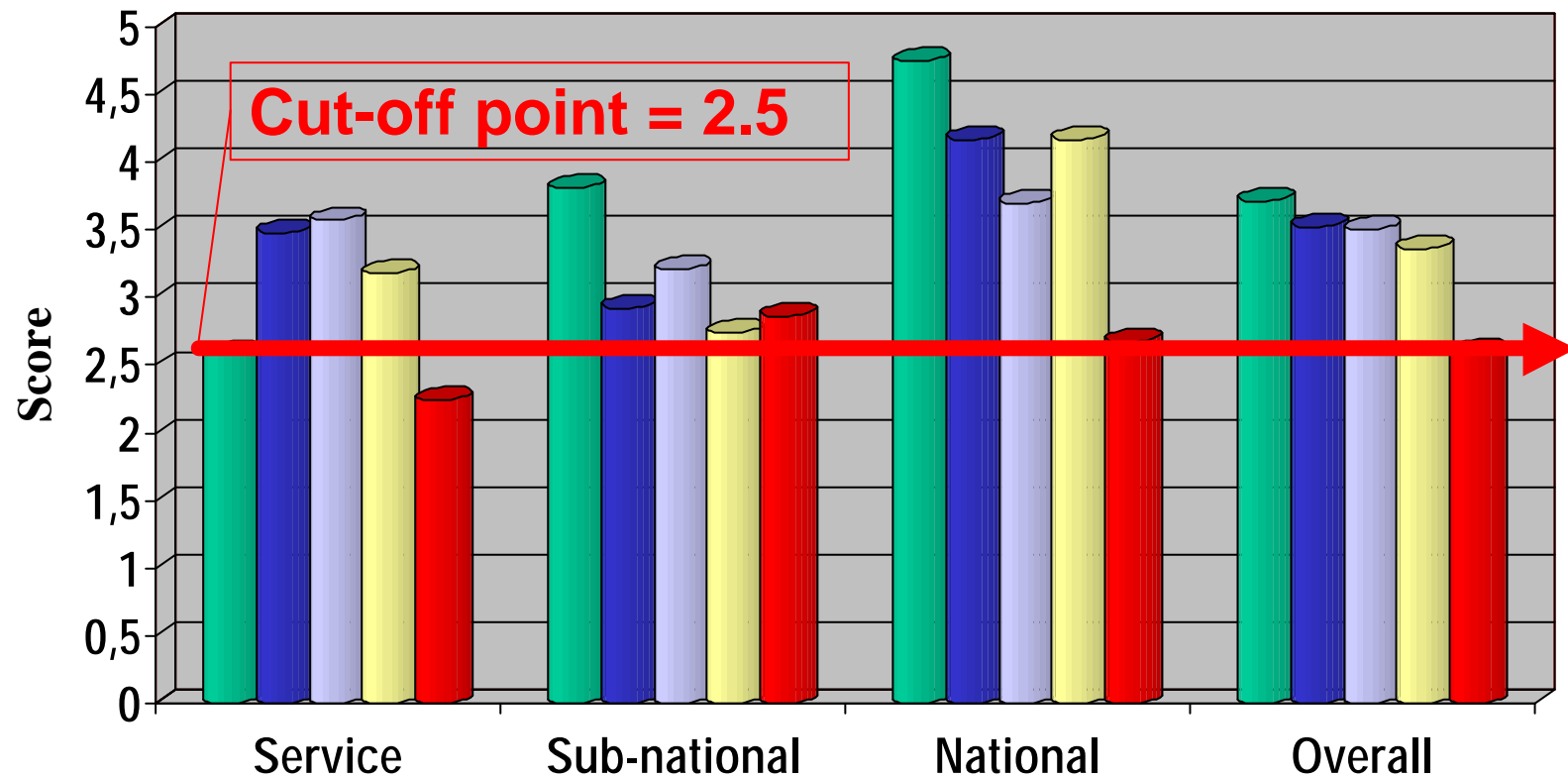
Overall performance of vaccine management at sub-national level



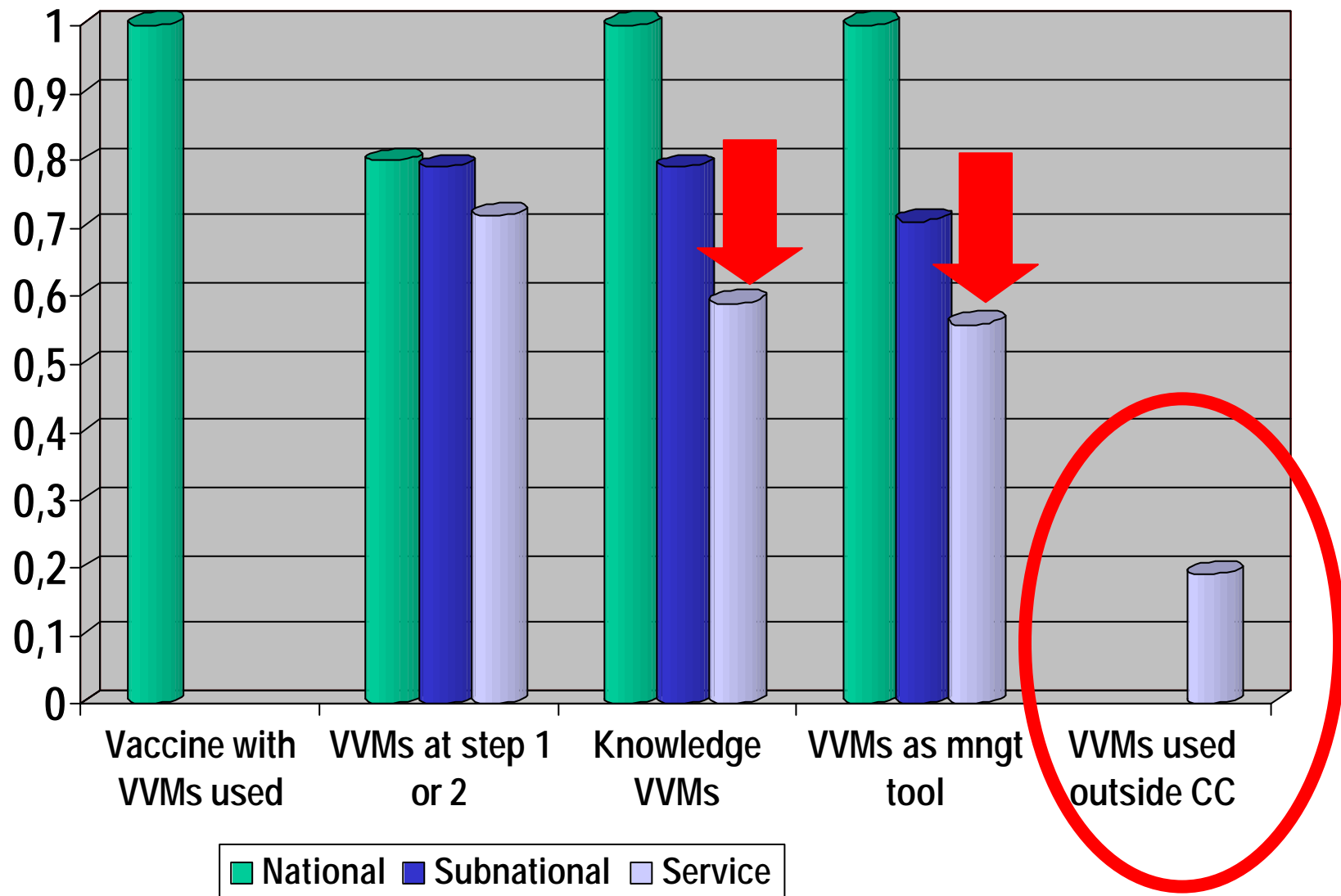
Overall performance of vaccine management at national level



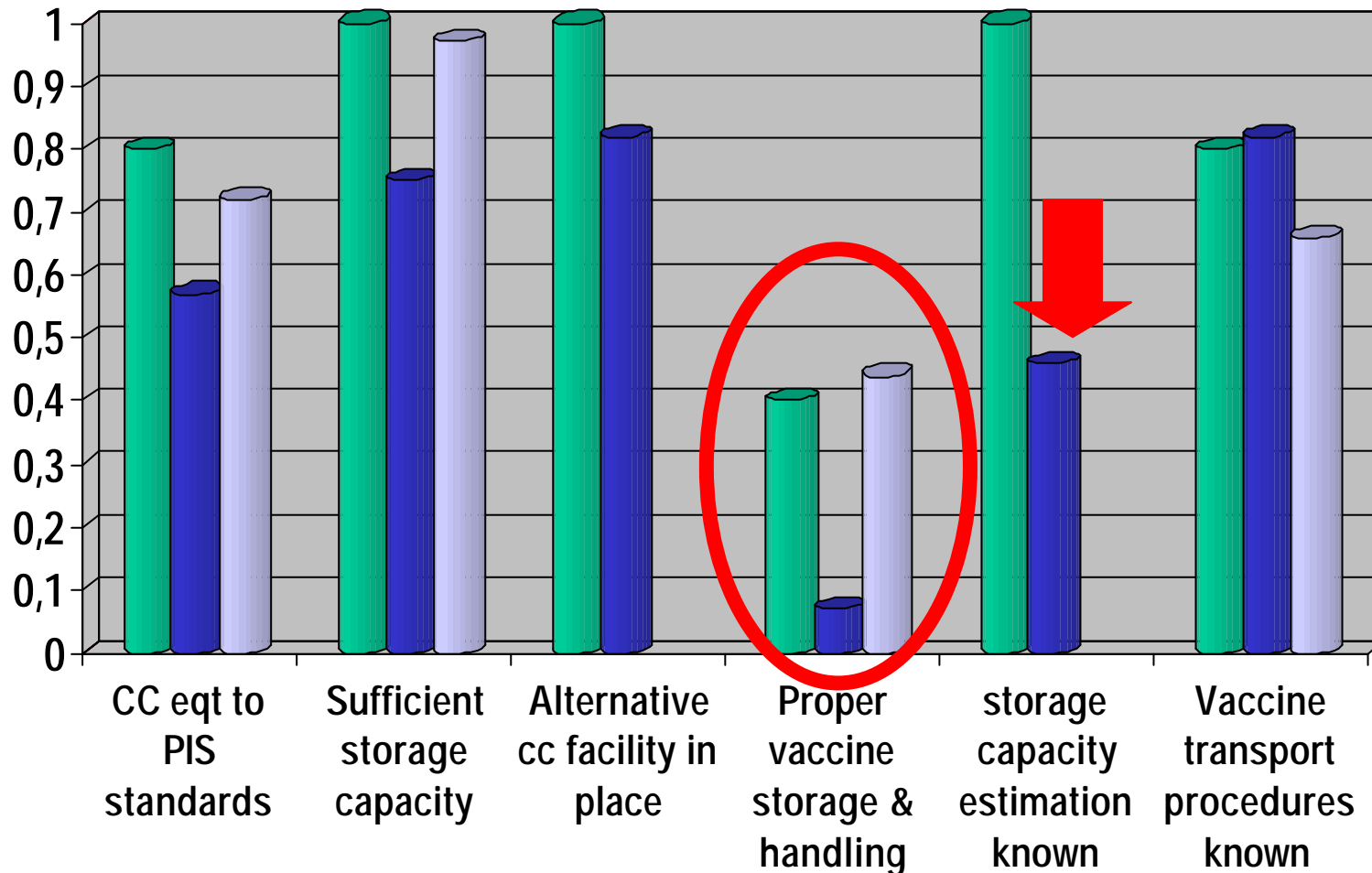
Above average performance



Effective use of VVMs



Flexibility of cold chain

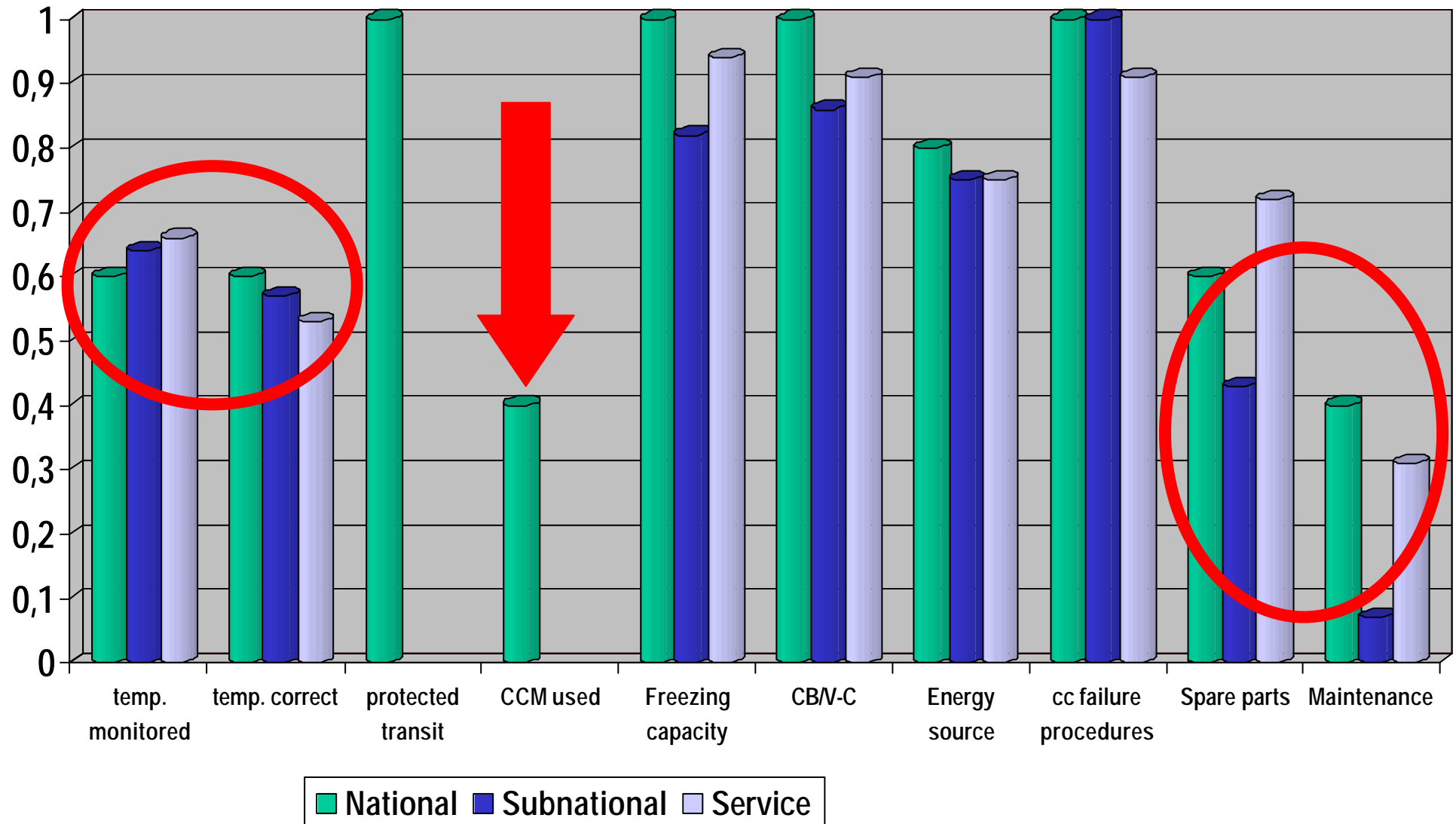


■ National

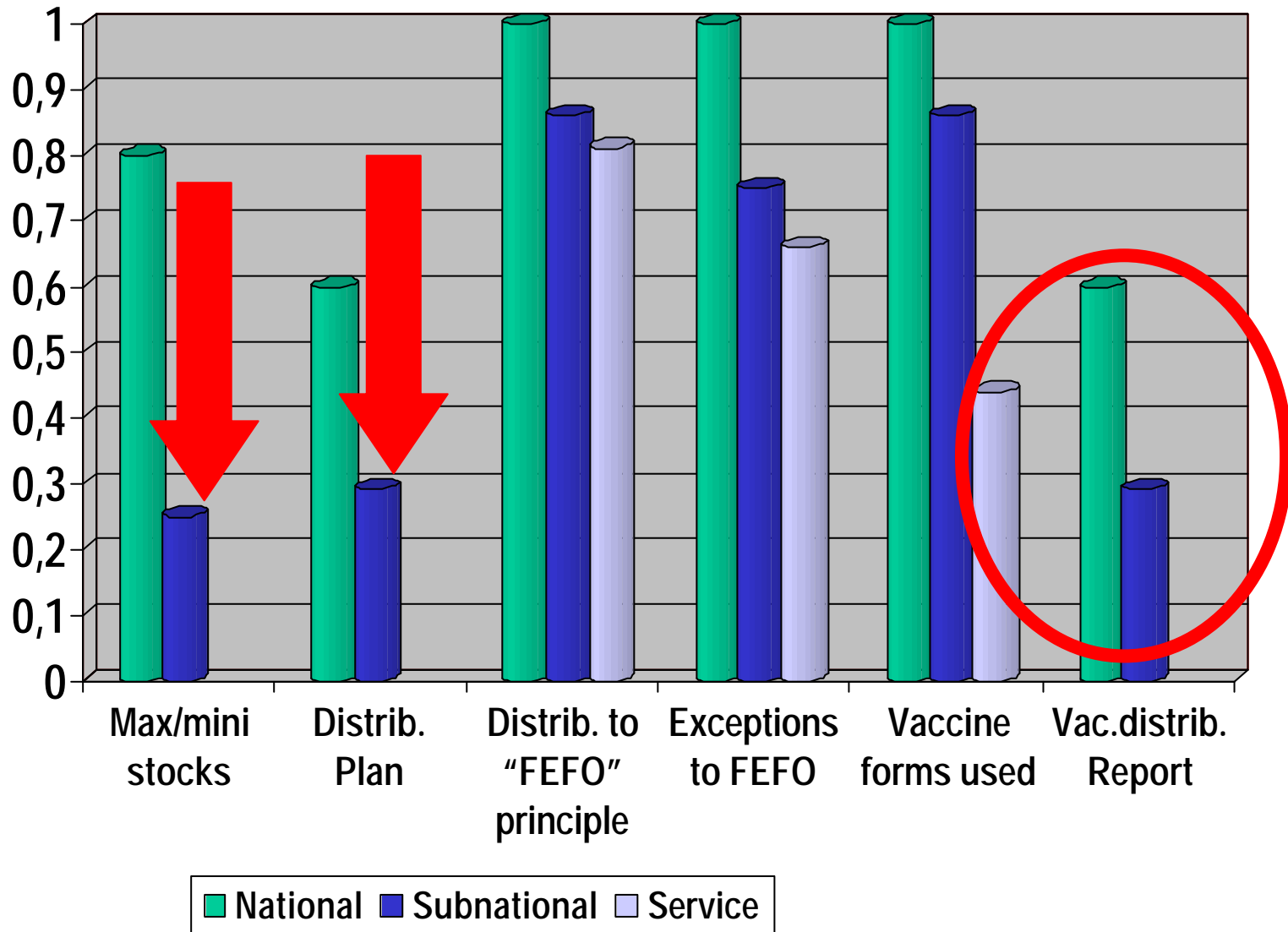
■ Subnational

■ Service

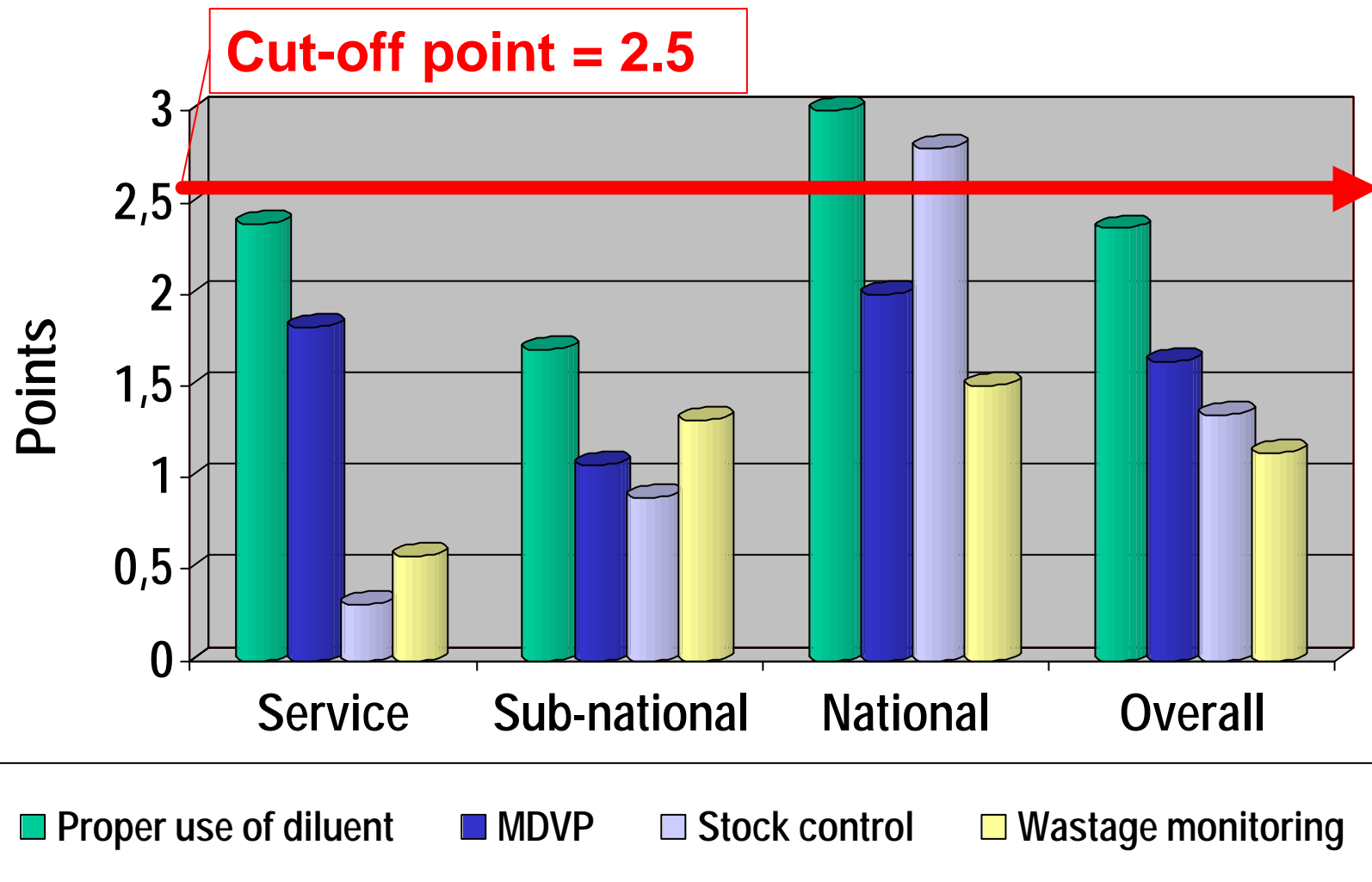
Reliability of cold chain



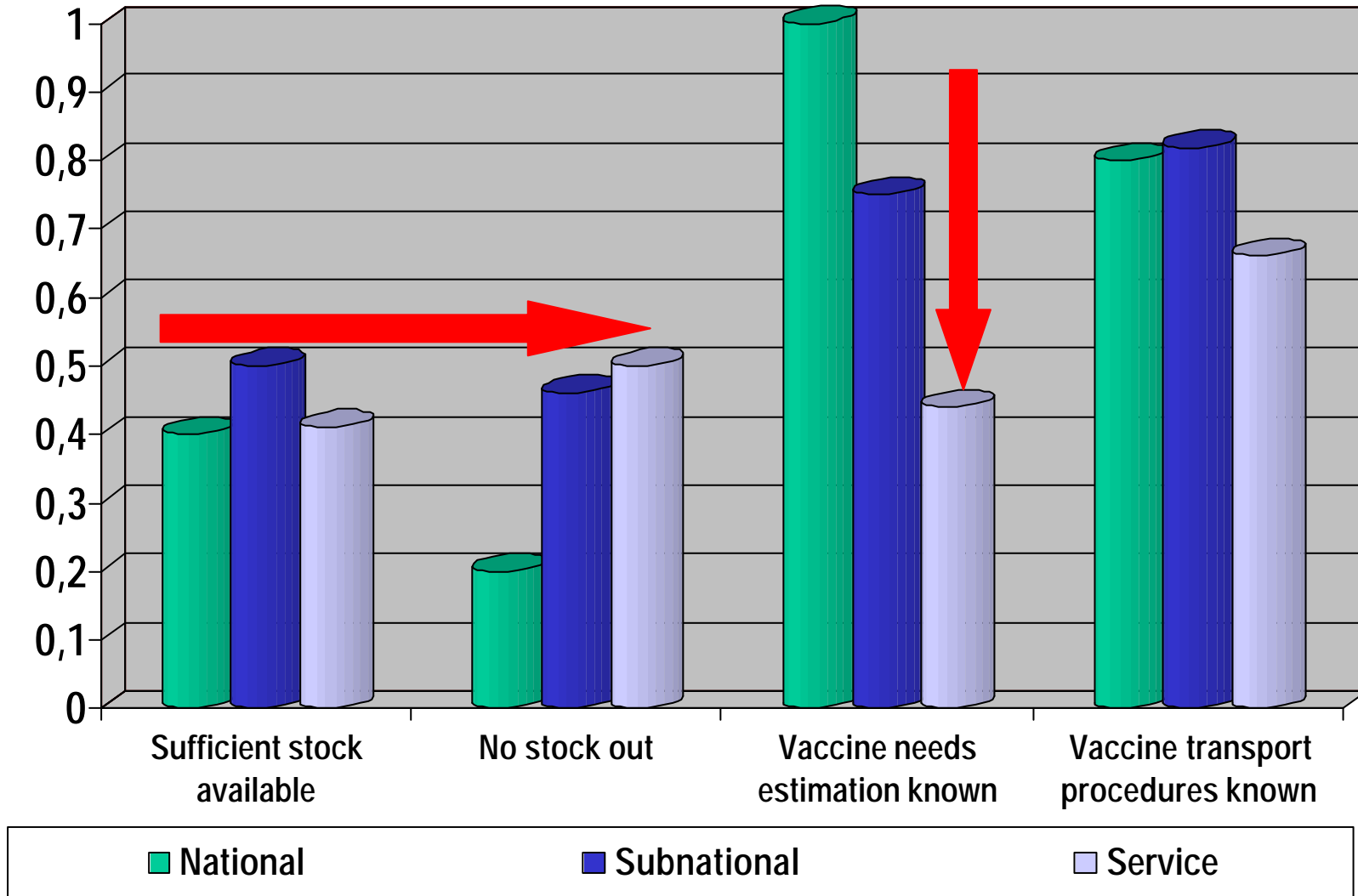
Efficiency of vaccine distribution



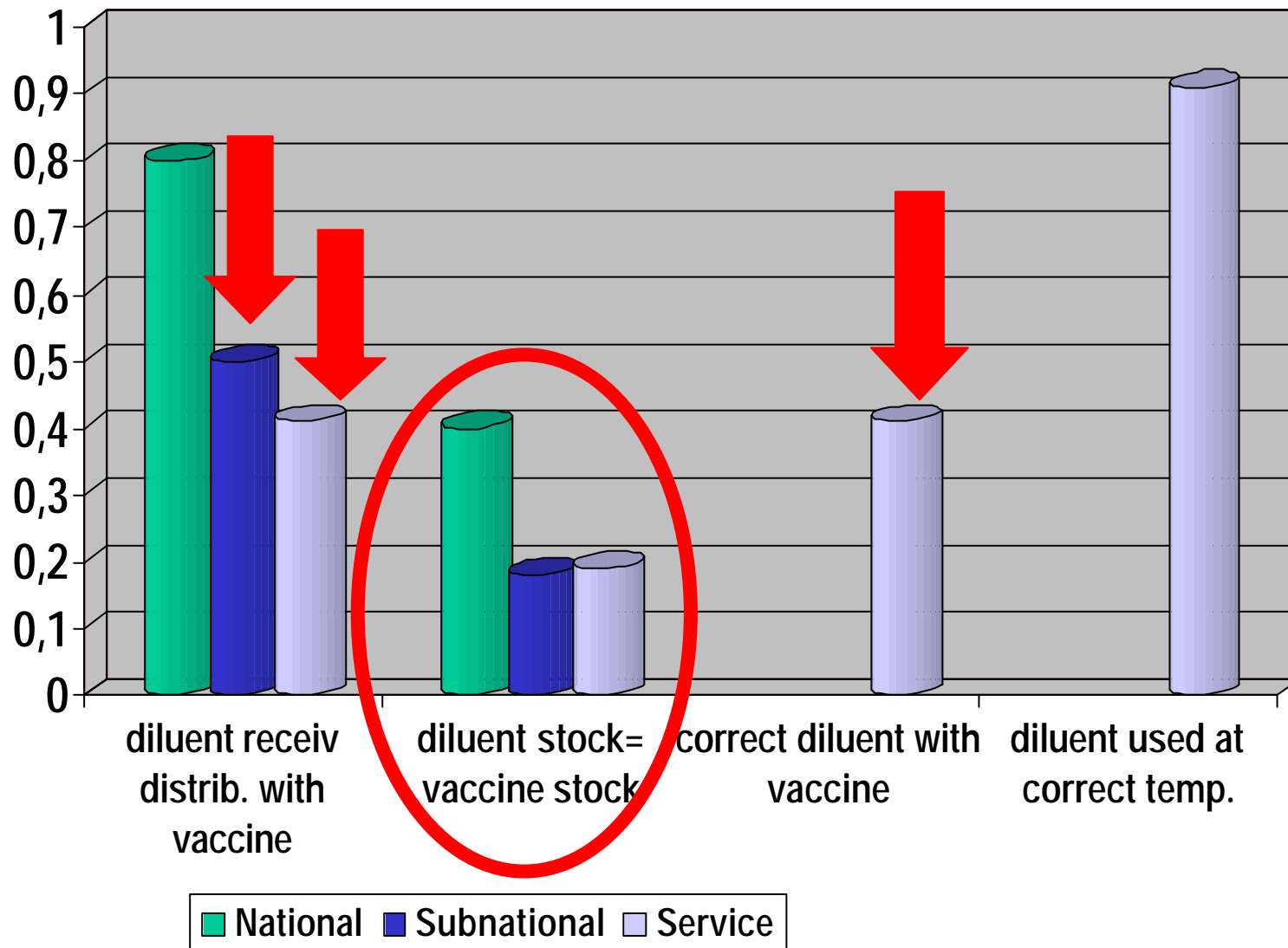
Below average performance



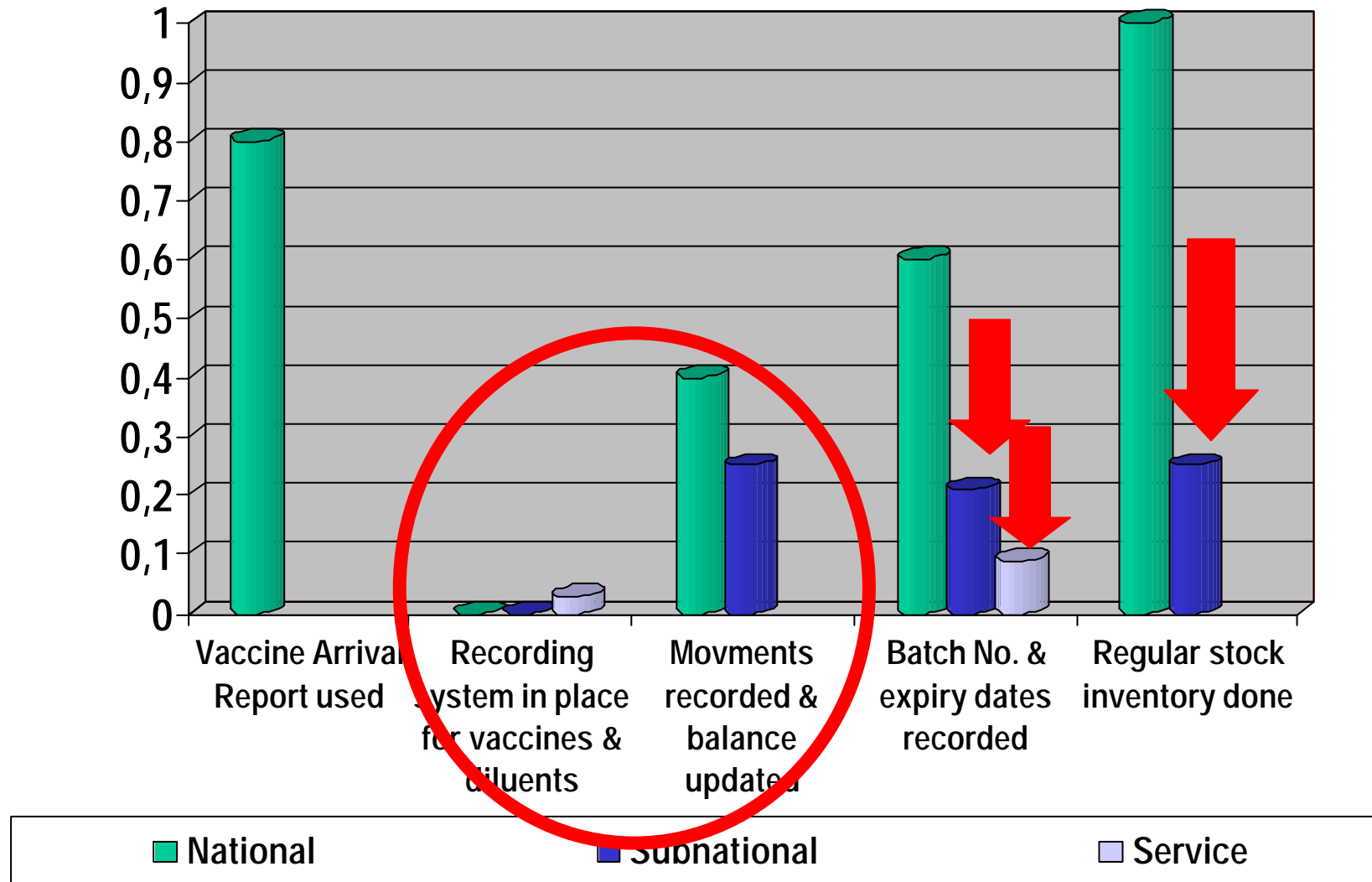
Vaccine availability



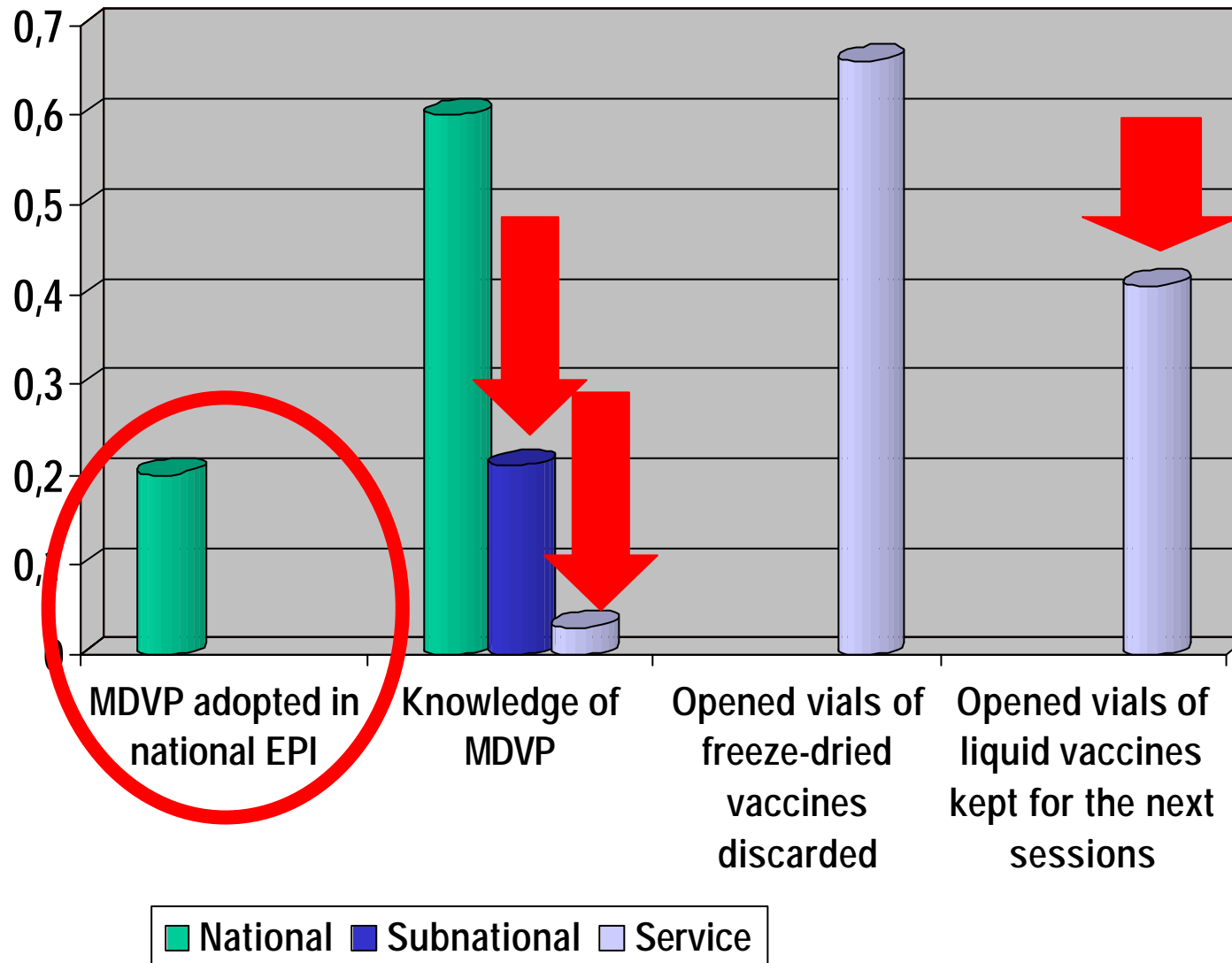
Proper use of diluent



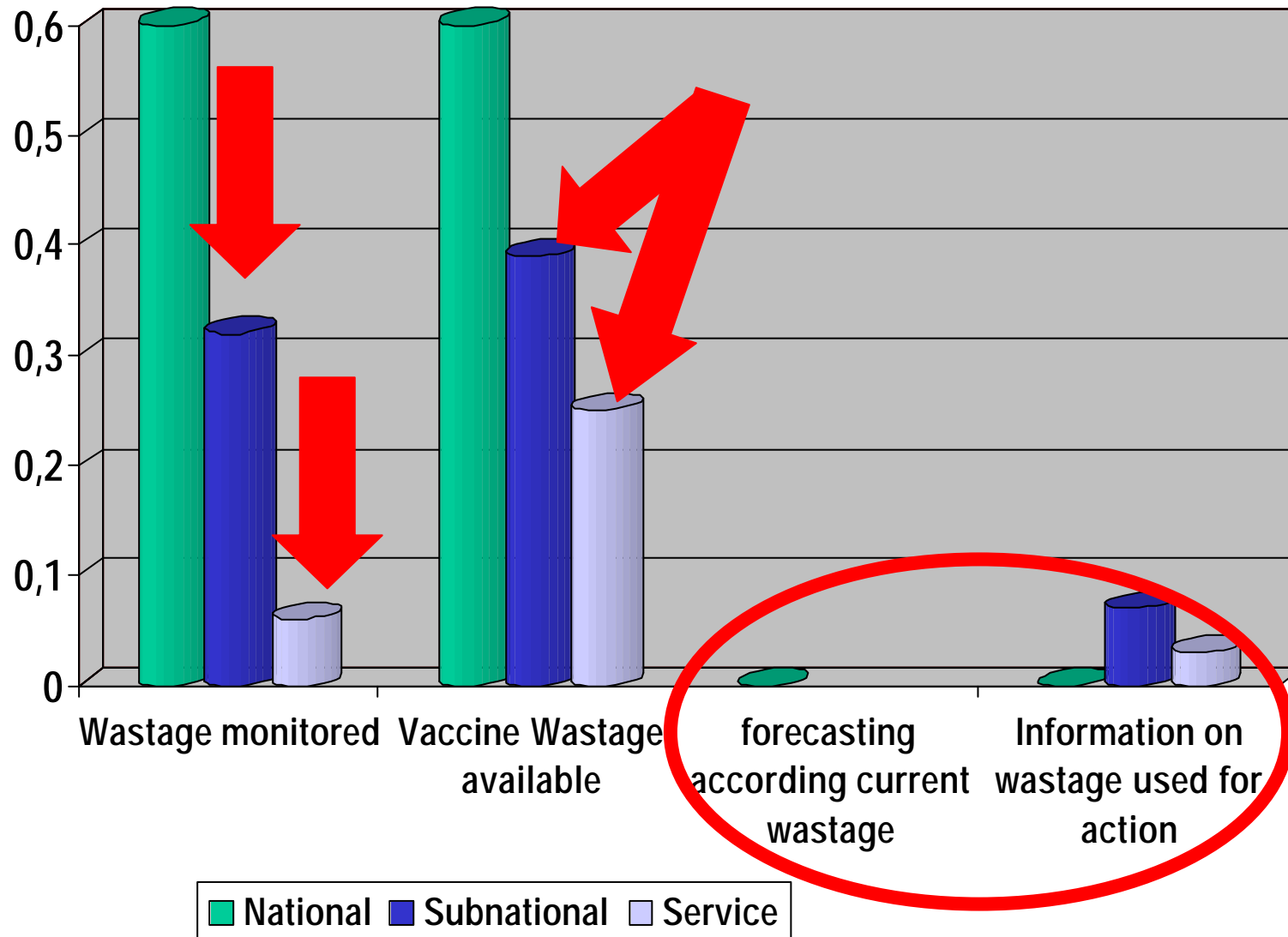
Vaccine stock recording system



Effective implementation of MDVP



vaccine wastage control



many gaps ...

from the country assessments ...

- weak skills despite training
- improper use of vaccine (VVM, MDVP, diluent...)
- poor vaccine stock monitoring & control at all levels
- weak or inexistent vaccine wastage control

big concerns ...

- **disease control goal:**
 - low level of protection in spite of good coverage level
 - miss deadline for eradication and elimination of diseases
- **economics:**
 - wasting vaccine
 - increasing resource requirement for the immunization program

But opportunities ...

- **Innovation & policies to improve vaccine utilization:**
 - innovations to reduce wastage (VVMs & MDVP)
 - adequate packaging, ...
- **Appropriate vaccine management tools:**
 - vaccine forecasting
 - stock monitoring & control
- **Increased/New involvement/partnership:**
 - increasing accountability (ICC, VII, GAVI, ...)

What next?

- **New approaches**
 - training (practical vs classroom)
 - follow-up and feedback
- **Appropriate reporting systems**
 - format, appropriate tools (software, manual)
 - high level involvement (ICC,)
 - provide appropriate technical support
- **Vaccine management network**
 - country experience & information sharing