



## The relationship between Structure, process and outcome of infection prevention and control systems for health facilities in Kenya using modern technology for data collection

4TH INFECTION PREVENTION NETWORK OF KENYA (IPNET-KENYA) CONFERENCE | Naivasha, November 18<sup>th</sup>, 2015

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BASIC HEALTHCARE STANDARDS

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# Layout

- Introduction to SafeCare Methodology
- **The Donabedian model**
- Findings
- **Conclusions**
- Q and A session



## Health Plans

Health insurance programs in Nigeria, Tanzania, Kenya, Mozambique, and Namibia for low-income groups (<USD 1.50/day)

## Quality

Collaboration with COHSASA, and JCI. Stepwise improvements through recognized standards for health facilities in resource-restricted settings

## Loans

Affordable loans to private medical providers via local banks, combined with technical assistance and business training

## Research

Impact evaluation, research, training, and policy for improving programs and measuring outcomes.

## Investments

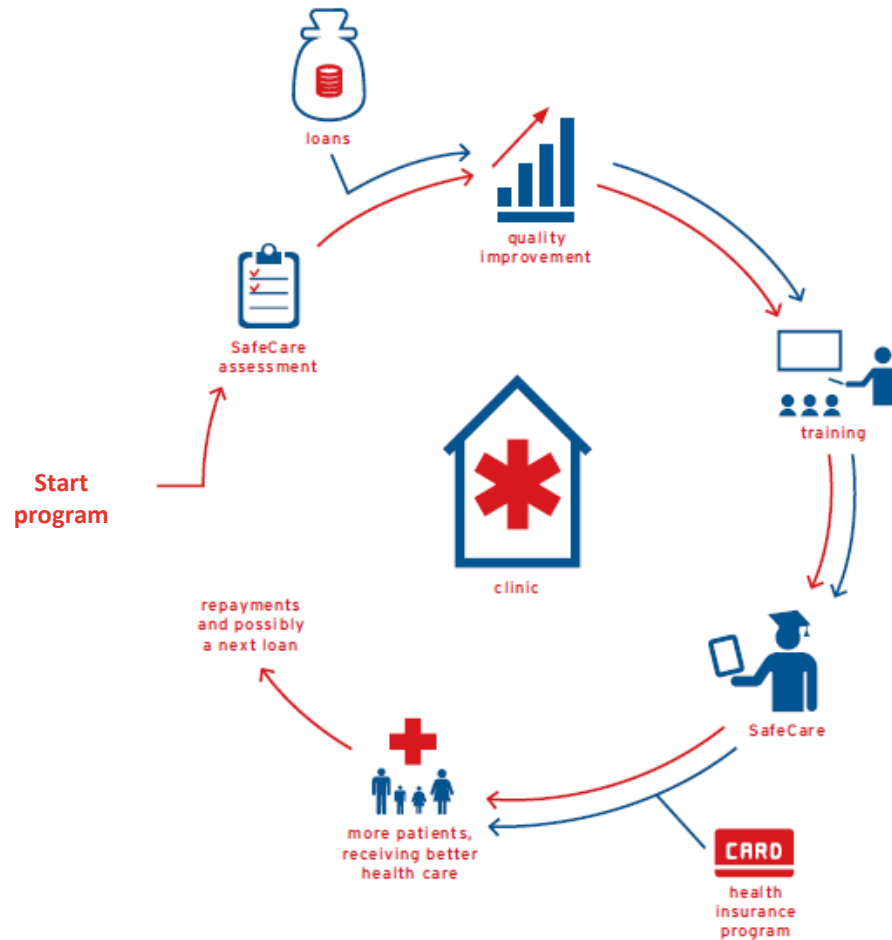
Private Equity fund focused on healthcare in Africa: insurance, pharma distribution, and healthcare facilities

## New Initiatives

- Mobile Health
- Global Health Membership



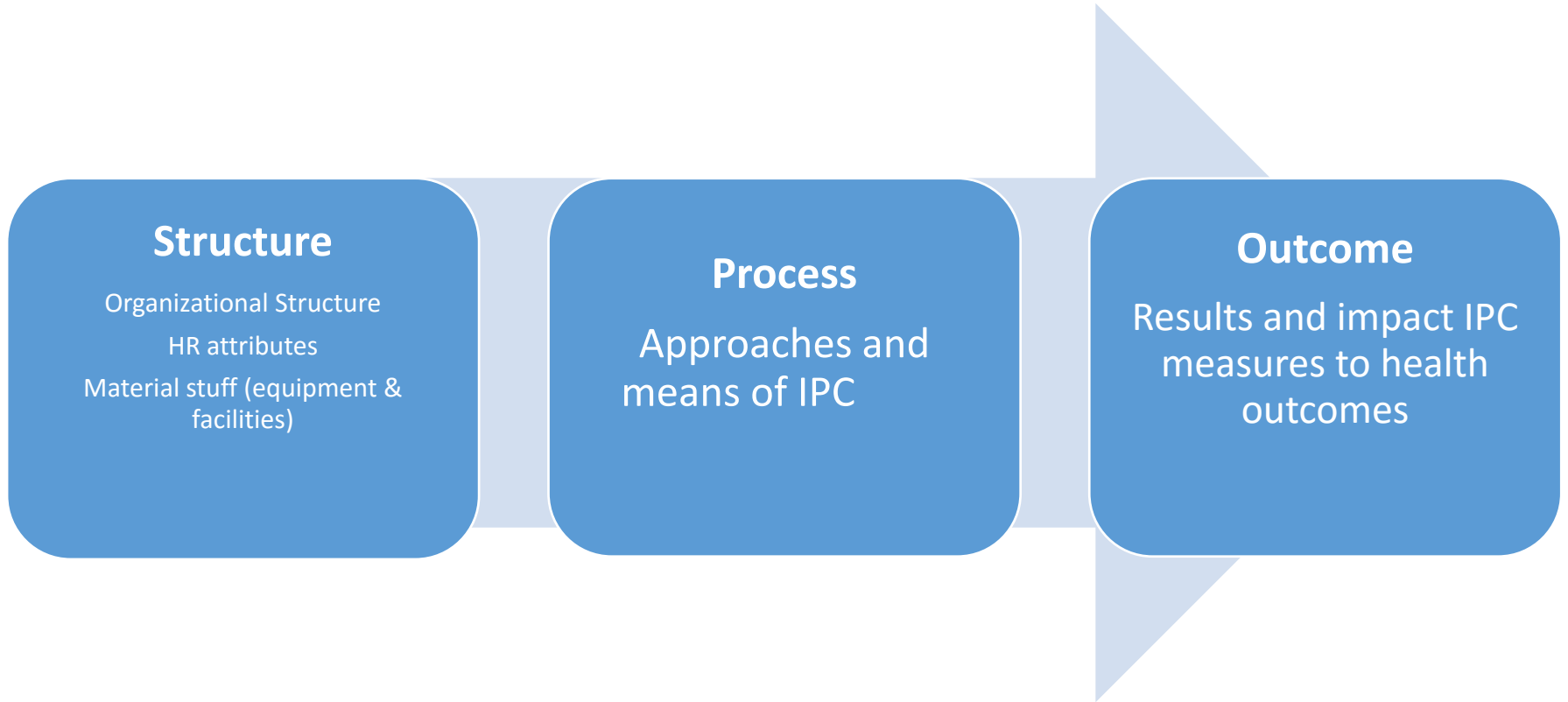
# SafeCare; How does it work in practice



1. SafeCare entry assessment
2. Quality improvement plan
3. Business plan
4. Loan appraisal, disbursement and monitoring
5. Business and quality training
6. Analyses of healthcare and business parameters - biannually
7. Repeat SafeCare assessments - annually



# Donabedian Model



# Scoring; SafeCare Methodology

- **Fully Compliant-FC**
- **Partially Compliant-PC**
- **Non-Compliant-NC**
- **Not Applicable-NA**

# The tool

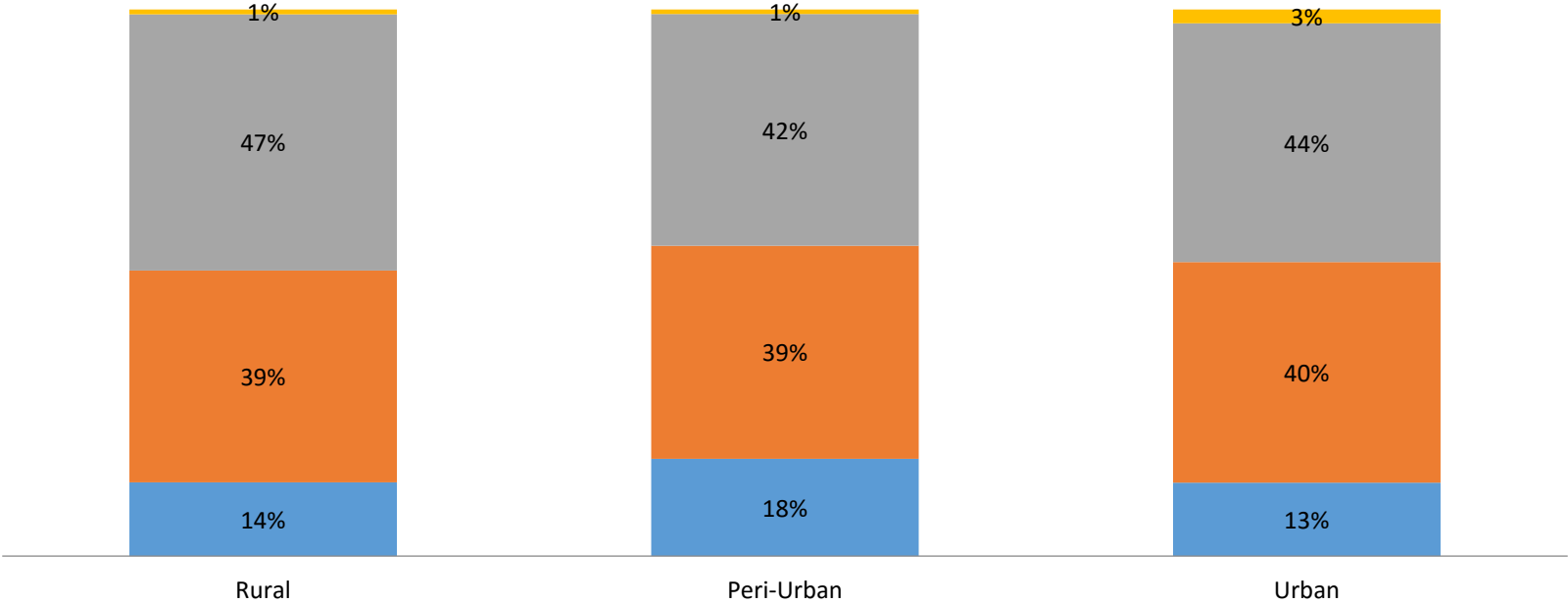
- Staff allocated (structural)
- Reporting (out come)
- IPC program (structural)
- IPC policies (structural)
- Training on IPC (process)
- Audits IPC program (out come)
- Hand Washing Facilities (structural)
- Hand Washing Posters (process)
- Use of Information to Reduce Infections (out come)

# Findings; Rural Vs Urbanized setup

n=R-112, PU-154, U-153, NA-35

Chart Title

■ Fully Compliant ■ Partially Compliant ■ Non-Compliant ■ Not Applicable



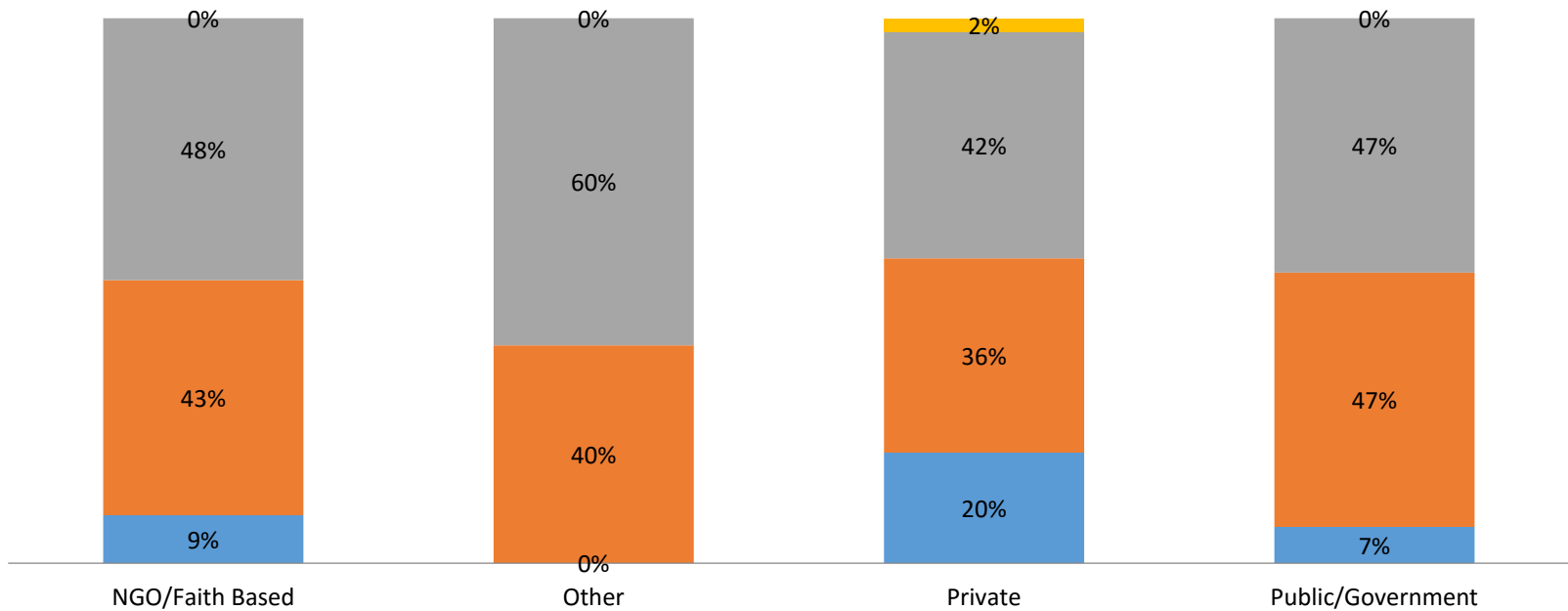


# Findings for facility Ownership

n=(NGO/FB-53, Other-30, Private-349, Pub/Govt.-18)

Chart Title

■ Fully Compliant 
 ■ Partially Compliant 
 ■ Non-Compliant 
 ■ Not Applicable

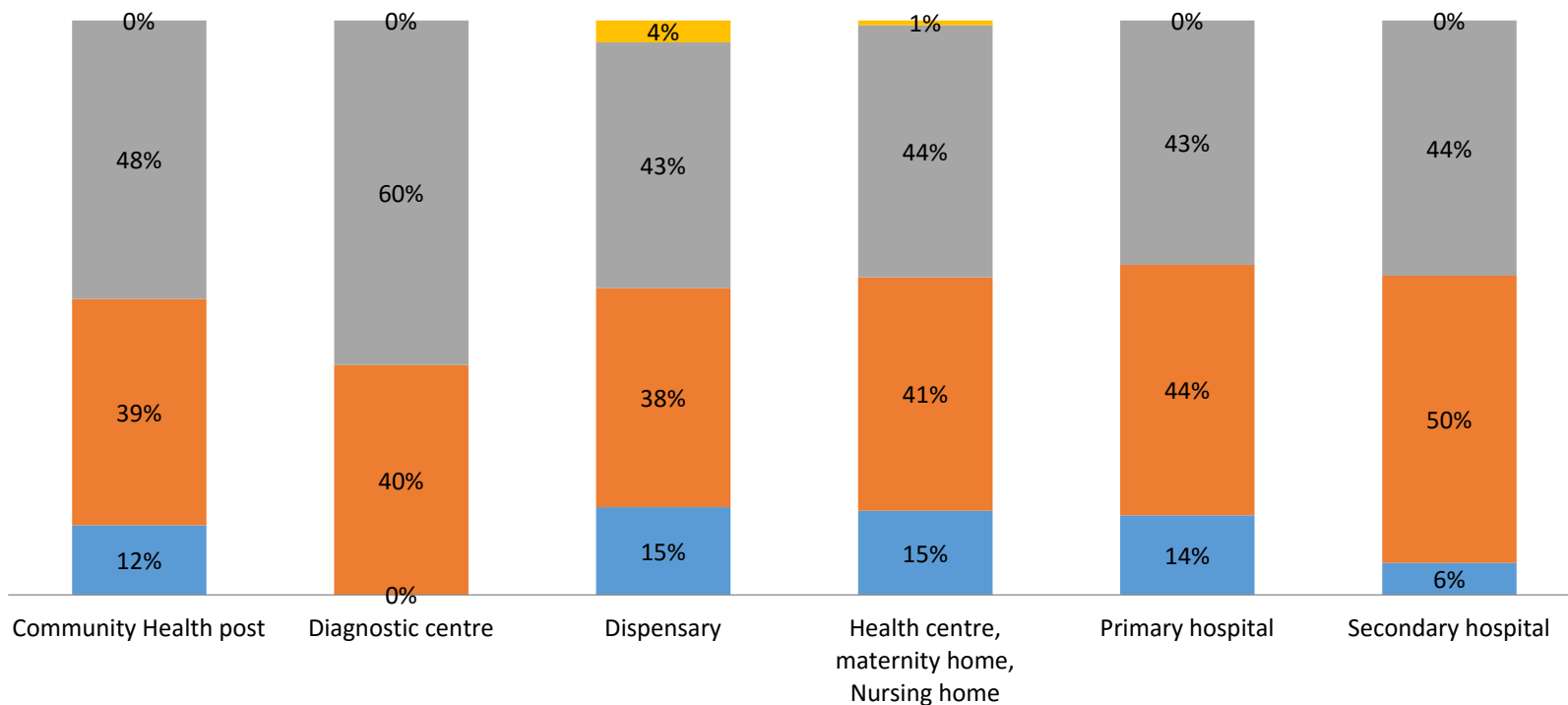


# Findings per category of facilities

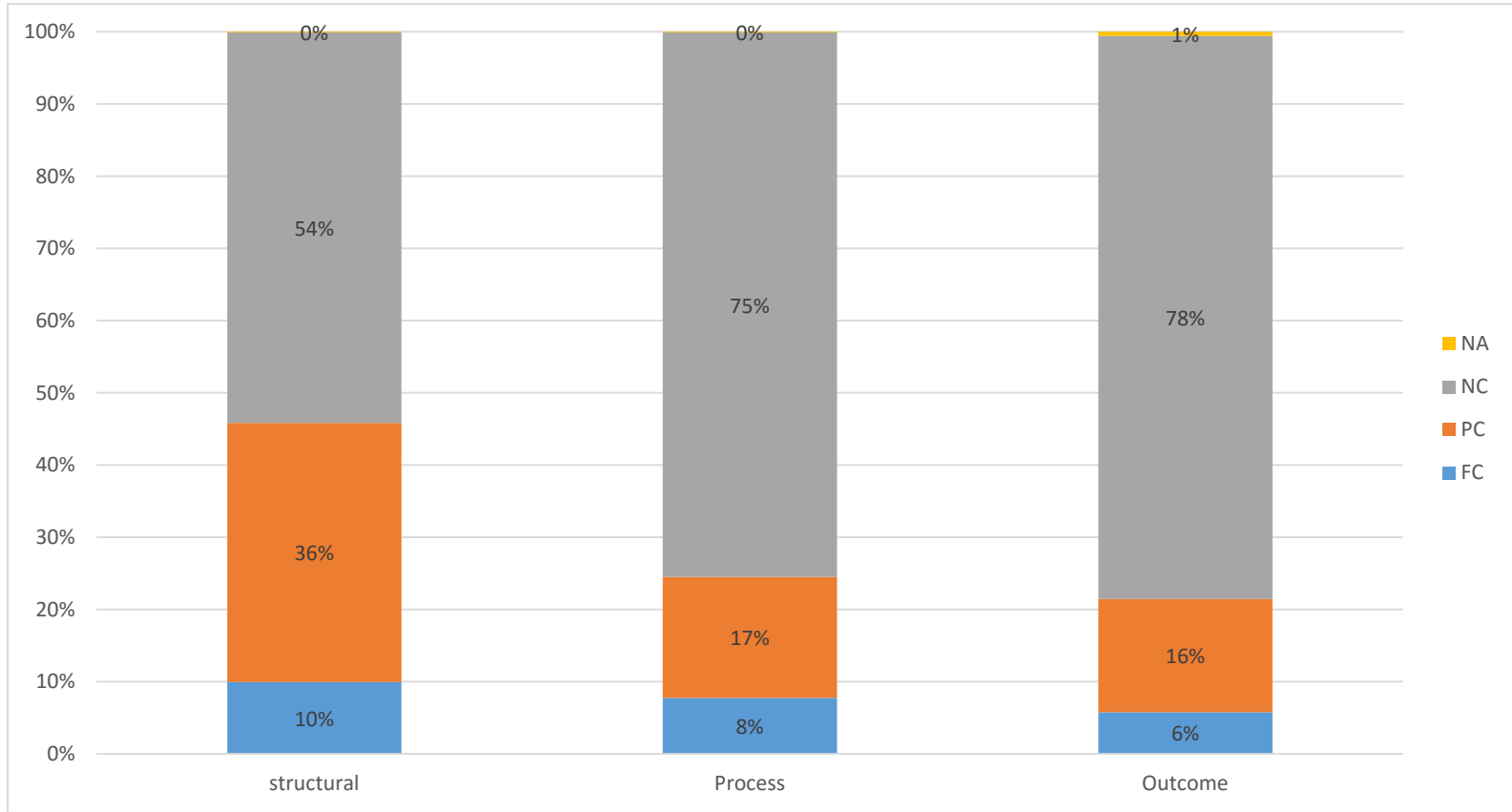
n=(CHP-11, DC-1, Disp-209, HC-171, PH-47, SH-6)

Chart Title

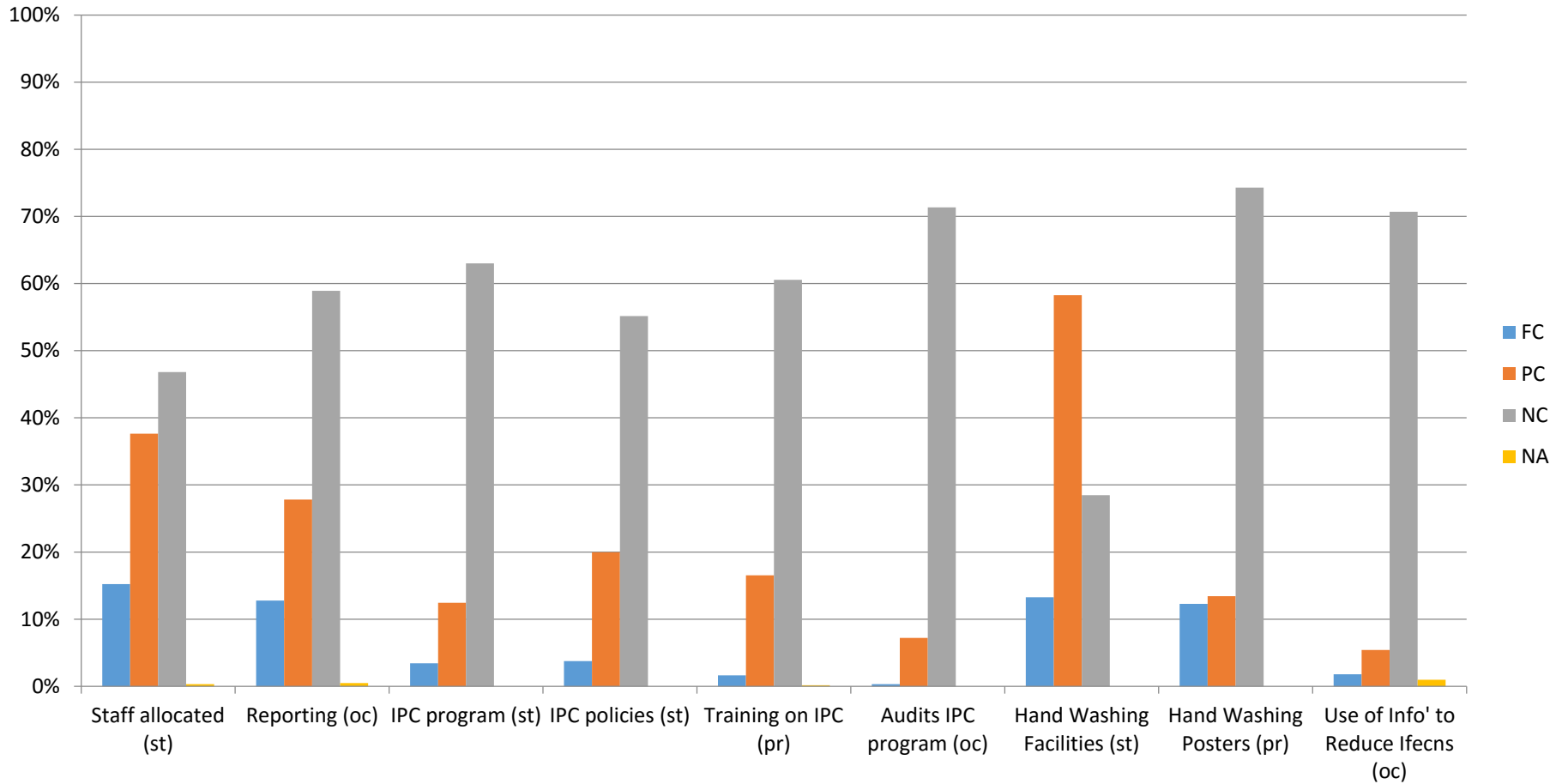
Fully Compliant Partially Compliant Non-Compliant Not Applicable



# Findings; Focus on Donabedian components

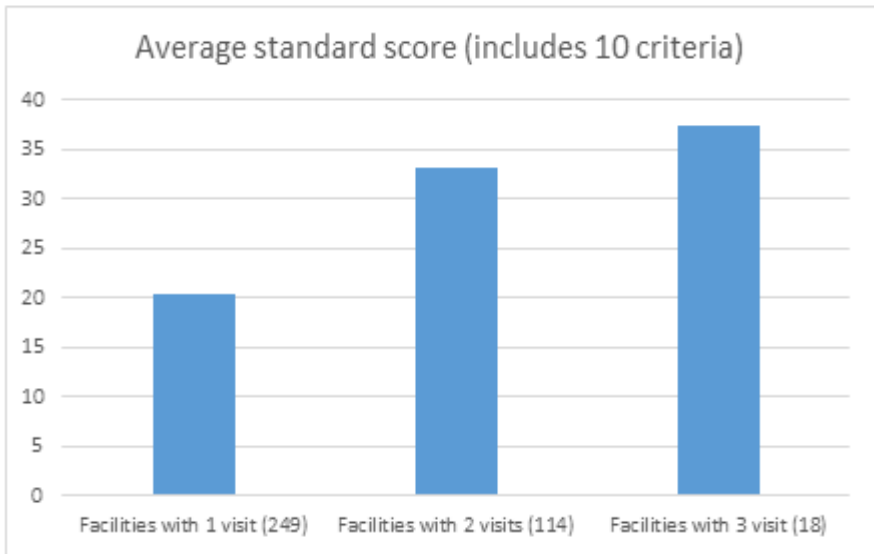
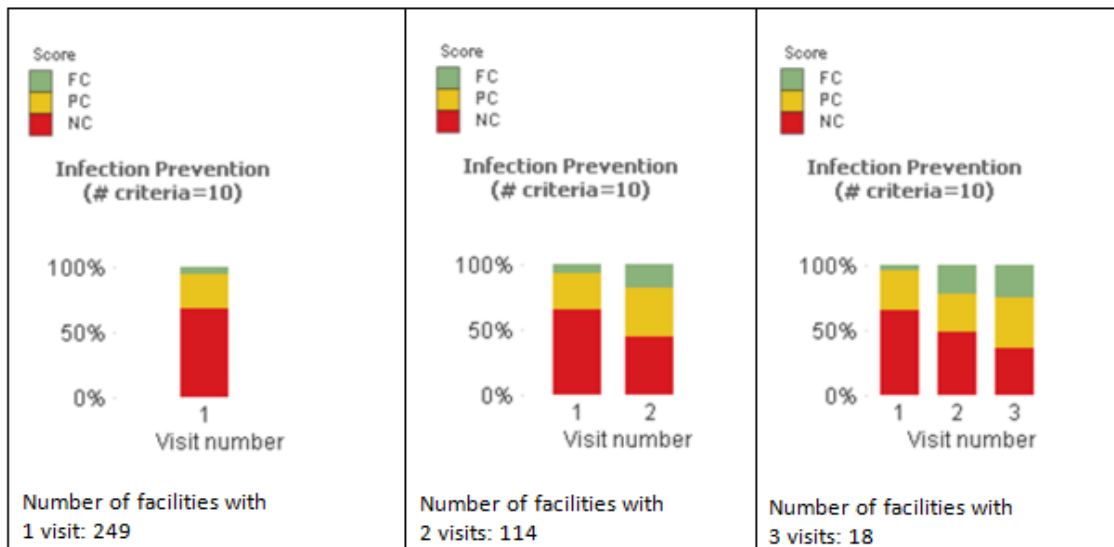


# Findings; All the criteria



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# Interventions by SafeCare program for IPC (Jan 2013 to October 2015)



# Conclusion

- **Most facilities scored poorly across the Donabedian components (less than 20% FC)**
- **Hand washing and staff allocation for IPC had a better score and this**
- **Clinical audits were mostly not done; generation & management information on IPC is limited and there is no evidence of active use too.**
- **Most of the components for infection prevention and control are addressed in isolation and this explains the poor score across board.**
- **There is need for Quality Management systems to be set up for IPC at all levels.**

# Thank you

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