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Infection Prevention and Control in Care Homes

The Good, The Bad and The Ugly

Zoe De Lacy – Infection Prevention & Control Matron

Nottingham CityCare Partnership

- Local provider of Community NHS Health Services
- Community Nursing/Specialist Nursing Teams
- Health Visiting/School Nursing
- Reablement/Urgent Care Teams
- Physiotherapy (MSK)
- Phlebotomy
- Urgent Care Centre
- Continuing Care

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Infection Prevention and Control Team

- Team 5 nurses
- Nottingham City boundary
- 58 GP Practices
- 20 Care homes with Nursing Beds

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What we do

- Follow up of alert organisms
- Audit
- Training & Education
- Guidance/advice/support
- Policy development

- Outbreak Management:
  - Diarrhoea & Vomiting
  - Influenza
  - Scabies
- Serious Incident invesitogation

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What we don’t do

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Alert Organism Follow up – The Good

- MRSA
- MRSA/MSSA PVL
- Clostridium difficile

- No outbreaks or evidence of a problem with onward transmission in Nursing Homes.

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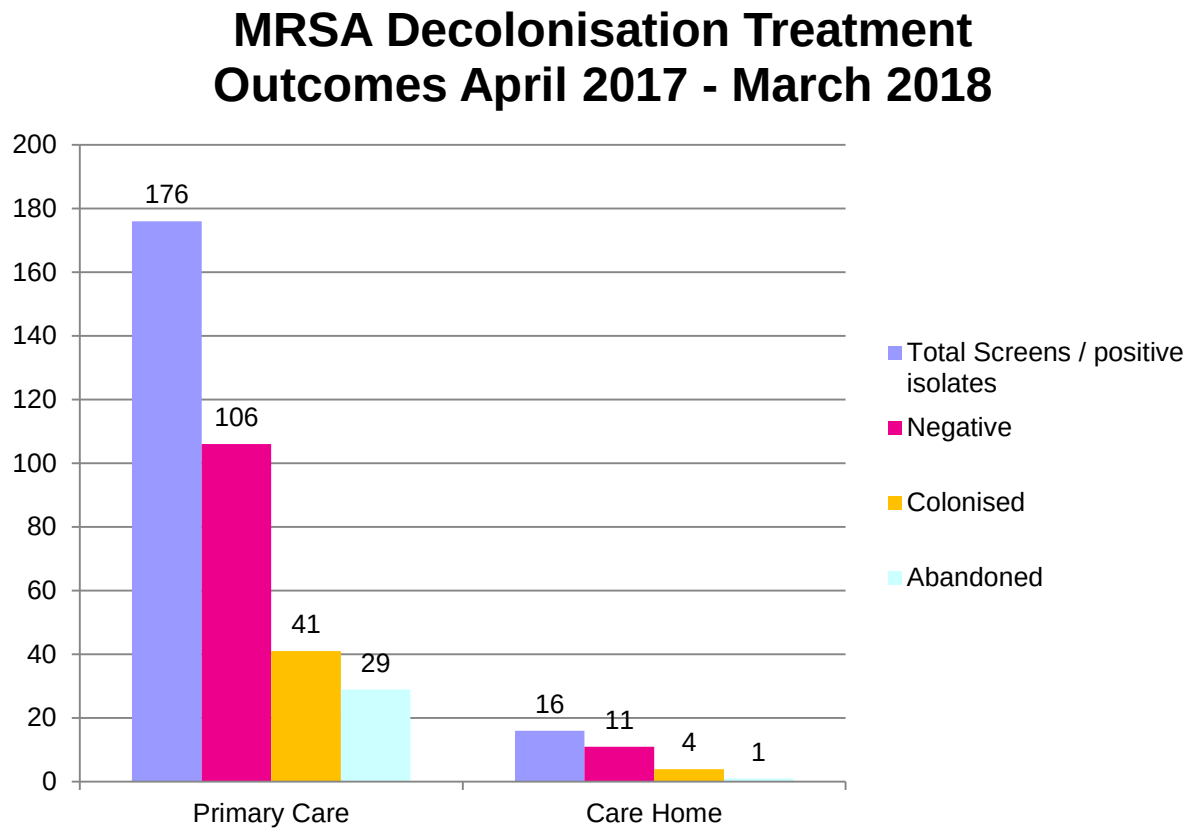
MRSA Figures 2017-18



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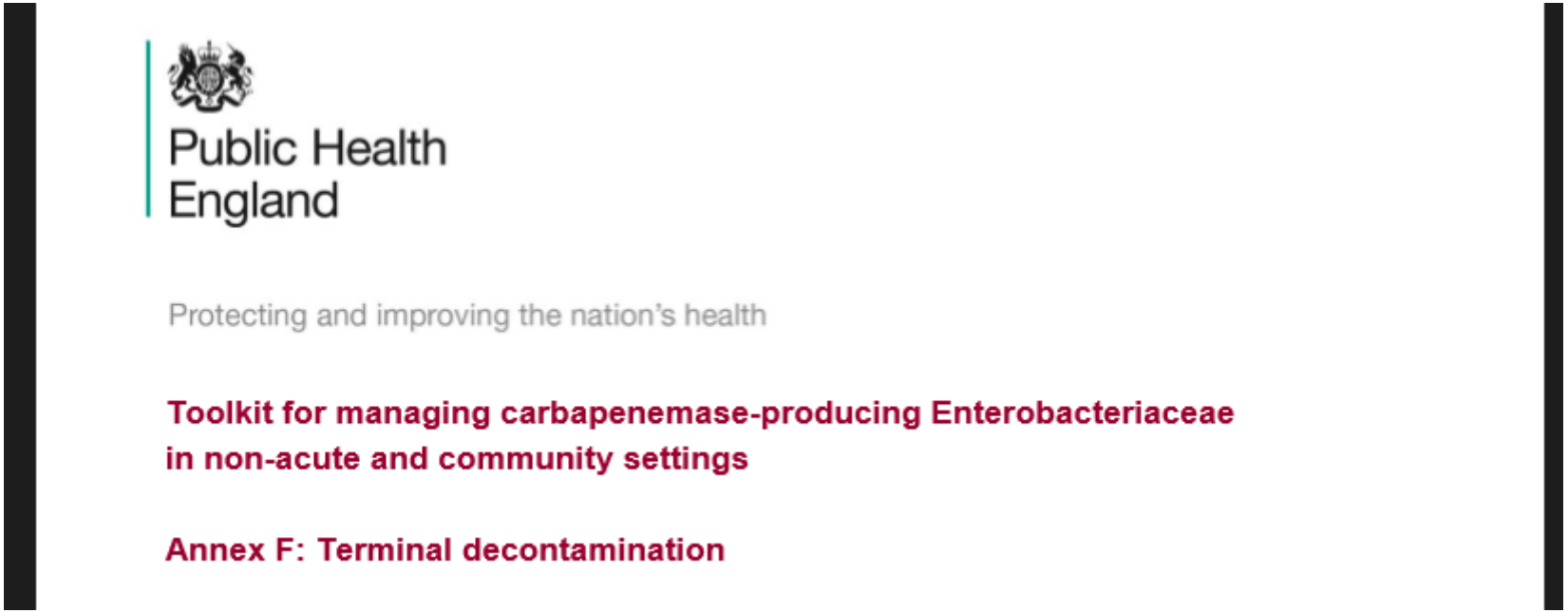
The Bad

- Carbapenamase-producing Enterobacteriaceae (CPE)



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The Bad

- Mattresses are of particular importance: conventional mattress covers should be cleaned and disinfected; the integrity of mattress covers should be assessed - contaminated/damaged mattresses should be disposed of.
- Dynamic mattresses should be disassembled and all components cleaned and disinfected, usually by specialist external contractors or in specialist facilities within a care setting.

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Audit – The Good

- 100% uptake audit process
- Annual audit programme
- Good working relationships
- Partnership working – Clinical Commissioning Group/Local Authority
- Improvements in standards

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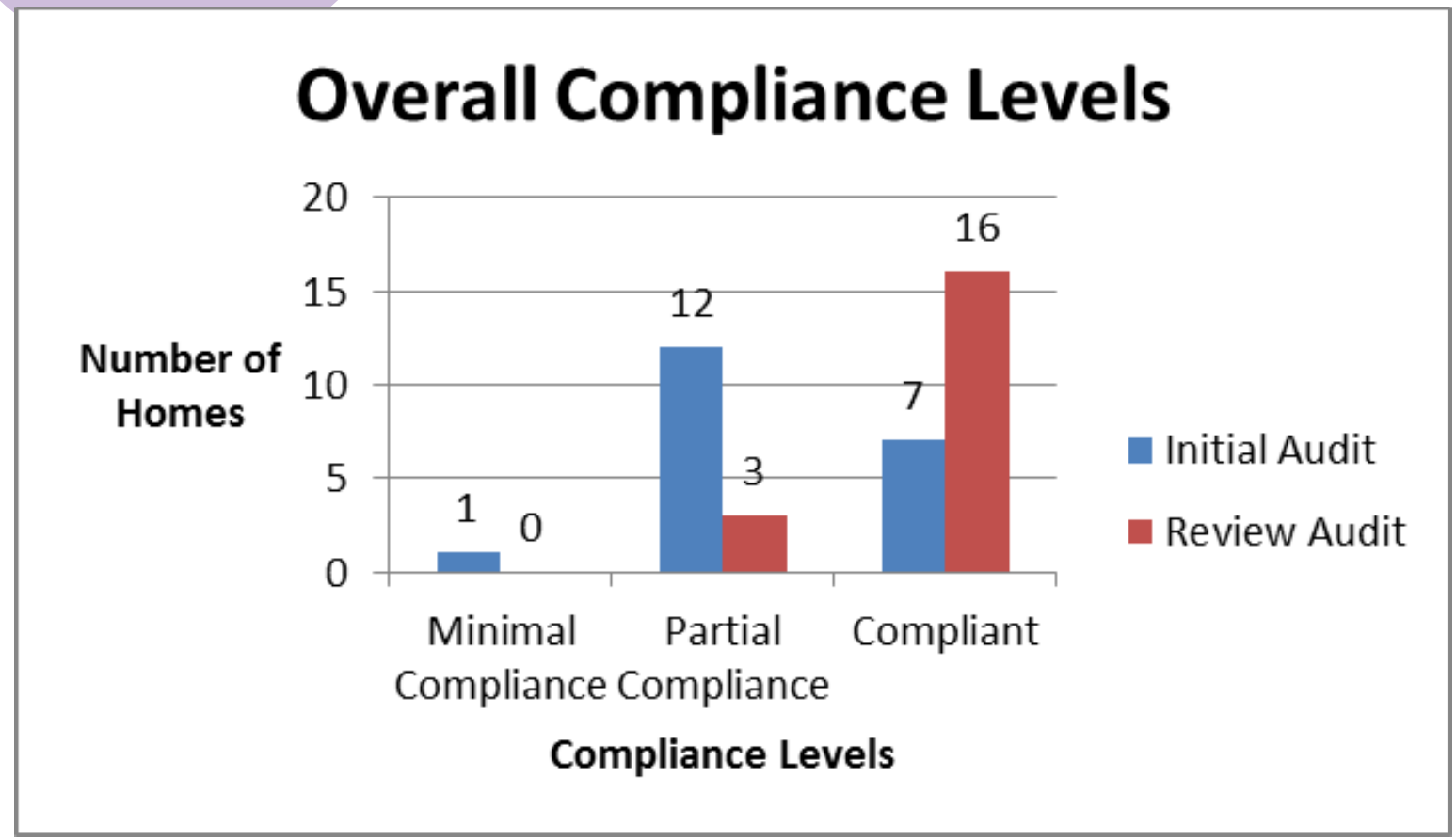
Audit Results 2017



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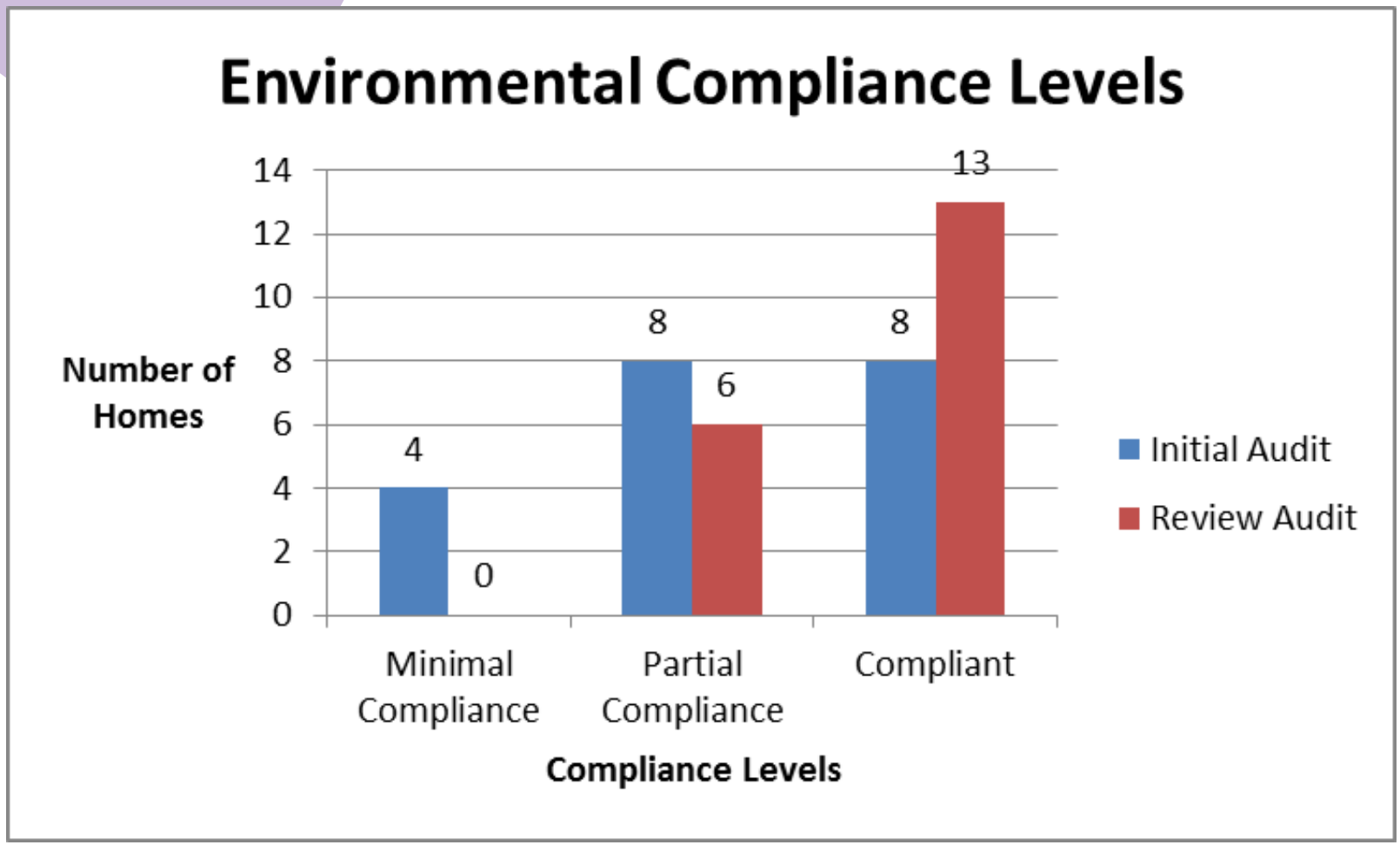
Audit 2017



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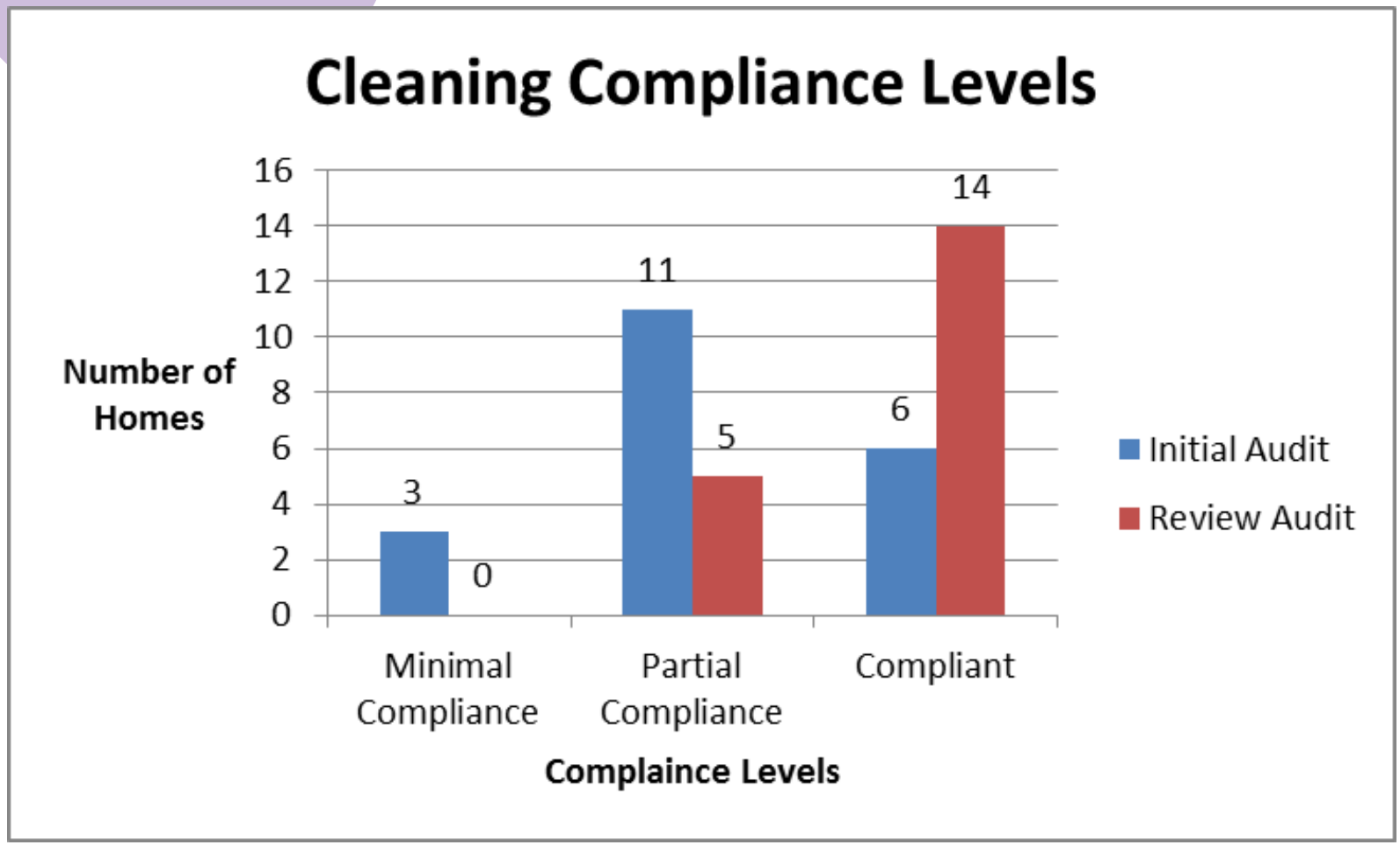
Audit 2017



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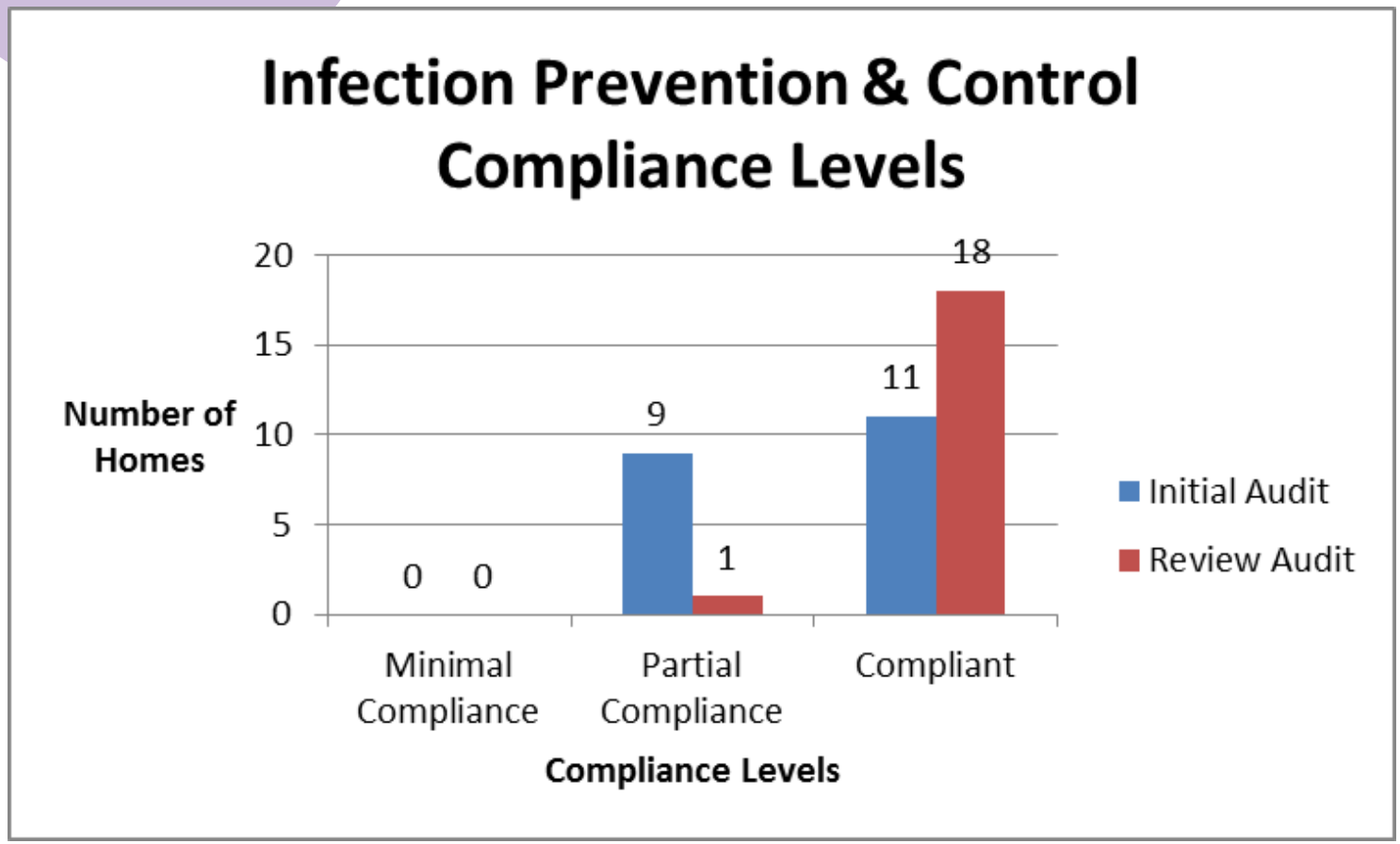
Audit 2017



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Case Study

- Poor cleanliness in home identified, concern of immediate risk to residents
- New manager struggling to adapt to changes in home
- Action plan agreed at the visit
- Escalated to CCG with agreement
- Additional support – Quality Improvement Officers

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Audit – The Bad

- Issues with the built environment
  - Not all purpose built – residential properties
  - Sluice facilities
  - En-suite facilities
  - Storage
- Standards of cleanliness
  - Sluice facilities
  - Commode buckets – stains/faeces
  - Stained furniture
- Access to adequate cleaning products

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Practice Issues

- Dirty equipment – hoist/scales/wheelchairs
- Bathrooms – store rooms
- Clutter

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Audit – The Ugly

- Razor blades – communal bathrooms
- Lumps hardened faeces – bedframes
- Shower mat – black with mould
- Escalate findings to CCG
- Safeguarding Team

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Outbreaks The Good

- IPC visit
- Outbreak management pack
- Whole home not always required to close
- Cohort symptomatic
- Low staff turnover, stable management = shorter duration
- Prompt notification = shorter duration

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Outbreaks 2017

- 22 outbreaks of diarrhoea and vomiting –179 residents and 76 staff affected across all homes
- Only had a source identified from 2 homes. Samples are not often successfully obtained. However all followed a viral gastroenteritis pattern.
- When IPC informed early on average the home is shut for 5-7 days. When not more residents are affected and when made aware the home is often shut for 15 plus days.

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Outbreaks The Bad

- Stool samples frequently not obtained
- Samples not sufficient/formed
- Typing – is it a genuine outbreak?
- Ongoing monitoring/communication
- Dual duties – food prep/personal care
- Presenteeism/absenteeism
- Cleaning issues
- Environmental issues

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Outbreaks – The Ugly

- 38 bed Nursing home
- Outbreak lasting 14 days, 12 residents and staff members affected
- Rotavirus isolated
- Inconsistent information
- Advice not followed
- Safeguarding referral

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Outbreaks – The ugly

- Social Service Safeguarding Team:
  - Multiple concerns on whole aspects of care delivery
  - 2 residents placed on safeguarding register
- Management issues
- Company – receivership/take over
- Improvements in standards of care

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Challenges

- Observations of practice
- Training & education
- Staff retention
- Continuous cycle of inspection
- Numerous improvement plans
- Funding/Financial pressures
- Suspension of contracts

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Residential Homes

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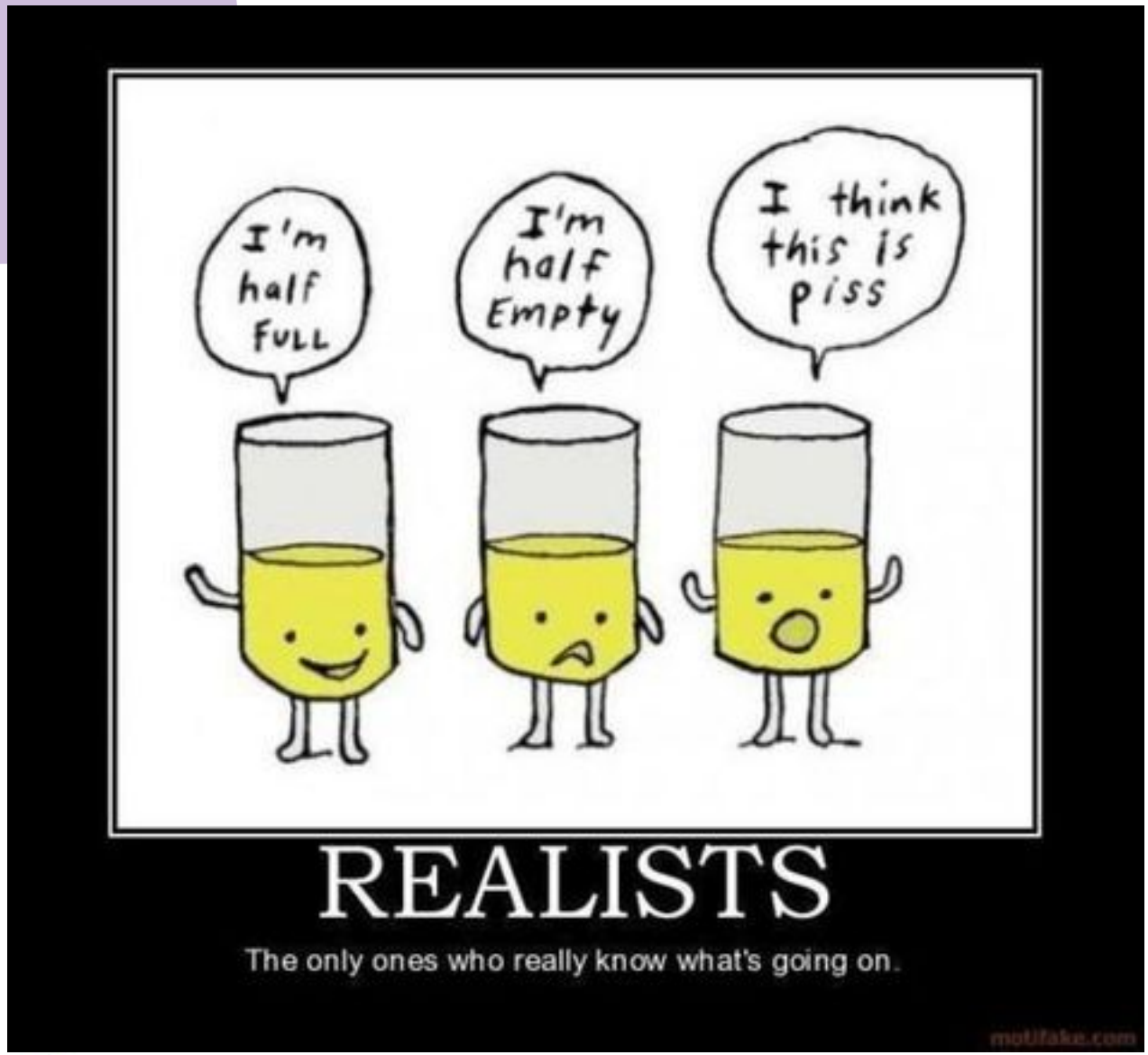

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Thank You!

Any Questions?

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