




PIDAC Recommendation Environmental Marking


Microbial Simulation Assessment
(MSA)
Innovation in Quality Monitoring
Systems



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What is a MSA?


- Method to make the invisible (simulate microbes) visible
- Prior to cleaning placement of luminance markers on predetermined high touch surfaces
- A UV light is used to evaluate findings post cleaning



Microbial Simulation Assessment (MSA)

- ARAMARK Healthcare standard is that MSA are included in the department quality monitoring activities of ES, for all acute care facilities



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Objective

- Evaluate cleanliness outcomes and staff cleaning performance of microbial soiling
- Raise ES awareness about the importance to detail cleaning to break the chain of infection
- Identify surfaces not conducive to effective cleaning by design or defect
- Identify gaps in equipment and furniture cleaning responsibilities

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Responsibility

- **Responsibility of ES Manager and Supervisors**
 - ✓ Explain what and why the assessments are done
 - ✓ To perform MSA
 - ✓ Work with ES staff and IPAC
 - ✓ Share outcomes
 - ✓ Communicate findings to the stakeholders
 - ✓ Remedial activities for follow up are identified which will involve Maintenance, Purchasing and Clinical staff

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Application

- Patient Rooms
- During application of both Routine Practices and Transmission based Precautions
- Training focus periods
- Not conducive in food preparation and meal service areas, labs, support departments, public & administrative space

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Outcome Scores

- Fully Remove Weighting: 1.00 point
- Partially Removed Weighting: 0.50 point
- Not removed Weighting: 0:00 point
- MSA Inspection form produces a percentage score
- ES department performance will be assessed on cleanable surfaces
- Other metrics identified: Non-cleanable surfaces (by surface design) or (deficiency), surfaces that require cleaning scope responsibility clarification

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Communication of Findings

- Share with employees
- Share with IPAC
- Vested Clinical Leaders
- Congratulate those employees who achieve excellence and meet the standard
- Follow-up with employees who require coaching on technique

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Challenges and Opportunities



Design Surfaces


- Cloth furnishings
- Control Crevices

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Challenges and Opportunities



- Defected Surfaces
 - Cracked worn mattress



- Open wood grain

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Challenges and Opportunities



- Scope Clarification
 - Rolling equipment
 - Vital sign machine



- Medication carts
- Patient charts

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