



Table 1. Categorization of Reports about Control of MDROs in Healthcare Settings, 1982–2005

MULTIDRUG-RESISTANT ORGANISMS (MDRO) MANAGEMENT GUIDELINES
PAGE 11 of 14 | [ALL PAGES](#) ↓

Management of Multidrug-Resistant Organisms in Healthcare Settings (2006)

WHAT TO KNOW

Reports about Control of MDROs in Healthcare Settings

ON THIS PAGE

- Table 1
- [References for Tables](#)

Table 1



Format Change [February 2017]

The format of this section was changed to improve readability and accessibility. The content is unchanged.

| MDRO | MDR-GNB | MRSA | VRE |
|----------------------------------|---------|------|-----|
| No. of Studies Reviewed/category | 30 | 35 | 39 |

Number of studies that were reviewed for the 3 types of MDRO.

Types of Healthcare Facilities from which Study or Report Arose

| Facility Type | MDR-GNB | MRSA | VRE |
|---|----------|---------|---------|
| No. (%) from academic facilities ^α | 30 (100) | 28 (80) | 33 (85) |
| No. (%) from other hospitals | 0 | 4 (11) | 3 (8) |
| No. (%) from LTCFs | 0 | 1 (3) | 2 (5) |
| No. (%) from multiple facilities in a region | 0 | 2 (6) | 1 (2) |

Number and percent of studies for various MDROs by healthcare facility type.

^α Variably described as university hospitals, medical school affiliated hospitals, VA teaching hospitals, and, to a much lesser extent, community teaching hospitals

Unit of Study for MDRO Control Efforts

| Unit of Study | MDR-GNB | MRSA | VRE |
|----------------------|---------|------|-----|
| Special unit β | 20 | 13 | 19 |
| Hospital | 10 | 19 | 17 |
| LTCF | 0 | 1 | 2 |
| Region | 0 | 2 | 1 |

The unit of study and for each type of MDRO, the number and (%) of studies.

β Includes intensive care units, burn units, dialysis units, hematology/oncology units, neonatal units, neonatal intensive care units, and, in a few instances, individual wards of a hospital

Nature of Study or Report on MDRO Control χ

| Nature of Study | MDR-GNB | MRSA | VRE |
|-----------------|---------|------|-----|
| Outbreak | 22 | 19 | 28 |
| Non-outbreak | 8 | 16 | 11 |

Number of outbreak and non-outbreak studies for each of the 3 types of MDRO.

χ Based on authors' description – if they called their experience an outbreak or not; authors vary in use of term so there is probable overlap between two categories

Total Period of Observation after Interventions Introduced

| Time Period | MDR-GNB | MRSA | VRE |
|----------------------|---------|------|-----|
| Less than 1 year | 17 | 14 | 25 |
| 1-2 years | 6 | 6 | 6 |
| 2-5 years | 5 | 11 | 8 |
| Greater than 5 years | 2 | 4 | |

Time period and number of studies for each type of MDRO.

Numbers of Control Measures Employed in Outbreaks/Studies

| Outbreak Control Measures | MDR-GNB | MRSA | VRE |
|---------------------------|---------|------|------|
| Range | 2-12 | 0-11 | 1-12 |
| Median | 7 | 7 | 8 |
| Mode | 8 | 7 | 9 |

Range, median, and mode for each type of MDRO, the number of studies.

References for Tables

MDR-GNBs: (6, 8, 9, 11, 16, 38, 174, 175, 180, 209, 210, 213-215, 218, 334, 388, 406, 407)

MRSA: (68, 89, 152, 153, 165-173, 183, 188, 194, 204, 205, 208, 240, 269, 279, 280, 289, 304,312, 327, 365, 392, 397, 408-412)



TABLE OF CONTENTS

MULTIDRUG-RESISTANT ORGANISMS (MDRO) MANAGEMENT GUIDELINES

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CONTENT SOURCE:

National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)

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Not helpfulVery helpful

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- Multidrug-resistant Organisms (MDRO) Management Guidelines
- Glossary
- References
- Table 2. Studies
- Table 3. Tier 1. Routine Recommendations