Health and Global Policy Institute
AMR Alliance Japan

HGPI Health and Global Policy Institute

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Full paper

Addressing AMR Measures for an Era of Healthy Longevity

—Ensuring Safety and Security for Older Adults in a Super-Aged Society —

In Senior Living Facilities

The Current State of AMR Measures

3 Points

1. Risk following onset
2. Impact on facility operations
3. Availability of measures

	For AMR Pathogens	For Most Infections
1	Risks are difficult to assess since they are often asymptomatic	Risks are easily understood, such as infections becoming severe or fatal
2	Whether an infection or illness develops among staff is hard to predict	Often leads to employee absences, which can quickly result to staff shortages
3	Mostly medium- to long-term measures, so results are not immediately felt	Many actionable measures exist, so they are easier to implement

Compared to most infectious diseases, AMR pathogens are difficult for senior living facilities to visualize or anticipate.

Despite their real risks, AMR infections tend to be "poorly understood" infection.

In Senior Living Facilities

AMR Measures

7 Discussion Points

1 Standards for AMR Measures

Generating evidence; defining how roles are divided between healthcare institutions

2 Diagnostic Testing

Identifying basic principles for testing; redesigning testing systems to reflect the characteristics of each facility

3 Antimicrobial Therapy

Identifying basic principles for antimicrobial therapy

4 Human Resource Development and Multidisciplinary Collaboration

Developing sustainable training systems adapted to each profession (e.g. physicians, nursing staff, long-term care staff, facility directors, head supervisors) and to each facility

5 Understanding Current Antimicrobial Usage

Determining the scope of items recorded in claims data; accounting for benefit coordination; making use of medical record information

6 Data Infrastructure and Surveillance

Understanding antimicrobial usage; building surveillance systems; sharing test results and other findings between facilities and healthcare institutions

7 Administrative Infrastructure

Building review systems that cut across ministries, agencies, and departments; clarifying the roles of prefectural and municipal governments; developing systems for mutual support in regions; identifying how best to structure financial resources

4 To Advance AMR Measures Perspectives We Need







Ensuring Safe and Secure Living for Older Adults

1. Finding a balance between communal living environments and personal living spaces
2. Respecting residents' preferences
3. Building consensus through meaningful involvement
4. Preventing stigma and discrimination





Bacteria and pathogens have the ability to change in response to antimicrobials. When the drugs used against them become less effective, this is called antimicrobial resistance (AMR). Infections caused by AMR bacteria may not respond to antimicrobial treatment, and in the worst cases, they can be fatal. In Japan, population aging is projected to reach 35% by 2040. Immune function declines with age, and the number of older adults living with multiple health conditions (multimorbidity) is also rising. Because these older adults are more susceptible to infection, society as a whole is becoming more vulnerable to infectious diseases. Each infection increases the exposure to antimicrobial therapy, and the more antimicrobials are used, the more likely AMR emerges and spreads. People aged 70 and older already account for about 70% of new infections caused by resistant bacteria in Japan, making AMR measures a key issue for achieving a society of healthy longevity.

Health and Global Policy Institute (HGPI)

Health and Global Policy Institute (HGPI) is a non-profit, independent and non-partisan think tank established in 2004, dedicated to advancing citizen-centered health policy. Independent of any particular political party or organization, we bring together a broad range of stakeholders and present society with effective policy options to realize citizen-centered healthcare. Looking ahead to the future, we continue to propose innovative new ideas and values from a wide range of perspectives to build a fair and healthy society. Since its establishment, HGPI has remained at the forefront of identifying themes that were not yet receiving sufficient attention and ensuring their adoption as policy issues in areas such as women's health, cancer control, dementia, antimicrobial resistance(AMR), regenerative medicine, and global health. By ensuring such themes are reflected in the formulation of legal systems and national strategies as well as in global policy discussions, HGPI contributes to concrete policy progress. These sustained efforts have earned recognition from domestic and international policy stakeholders and organizations. We will continue participating in global dialogues in our capacity as a health policy think-tank from Japan. We continue to present effective health policy options and advance efforts to address health and medical challenges, not only in Japan, but on a global scale.

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