

BU RDEN OF
R ESISTANCE &
D ISEASE IN
E UROPEAN
N ATIONS



**Work
Package
4
Outline**



Work Package 4

- **To identify on a country-by-country basis the information needs of different stakeholders (public health experts, policy makers, politicians, health care system managers) for their own assessment of the burden of infectious diseases caused by antimicrobial susceptible and resistant bacterial pathogens**
- **To generate country-specific cost models for quantifying the economic loss due to AMR**
- **To identify incentives and counterincentives that impinge on efforts to control the spread of AMR**
- **To illustrate the financial impact of AMR on care in European hospitals; besides this, to estimate the human and societal dimensions of infections caused by resistant pathogens and the repercussions for the health care systems, eg loss of confidence in hospitals.**

Activity Indicator WP4

- **Formation of a Liaison Group linking the Project Management Group with the University of Dundee Division of Community Health Sciences (LUDDCH) for development of a questionnaire on identification of stakeholders' needs with regard to resistance epidemiology and financial impact.**
- **Distribution and evaluation of this assessment tool.**

Completion Criteria WP4

- **Once convened, the LUDDCH will conduct a questionnaire survey on identification of country specific needs by different stakeholders.**
- **On the basis of the LUDDCH survey, the UDDCH will determine factors driving and impeding the development of AMR and the costs associated with these factors. After two years of communications between LUDDCH and national stakeholders this project partner will formulate targeted recommendations.**

Professor Martin Chalkley

- **Research interests:**
 - **Contracts for Health Services**
 - **Information and Incentives**
 - **The Economics of Health**



Information Needs

- **Determinants**
- **Consequences**
 - Impact on hospital
 - Numbers needed to harm
- **Understanding of results**
 - Cost models
 - Cost-effectiveness
 - Sensitivity analysis
- **Availability of central support/ guidelines for economic evaluation**

Country Specific Cost Model

- **MRSA production function**
- **Fixed and variable inputs**
- **Outputs**
 - **Cost to the healthcare system**
 - **NNH Number Needed to Harm. How many MRSA to produce one more:**
 - **Death**
 - **Readmission**
 - **Discharge to long term care**

Incentives & Counterincentives

- **What are the determinants of AMR and AMR HAI?**
- **What incentives do stakeholders have to influence these determinants?**
- **Are there any perverse influences driving these determinants?**

MRSA Action UK

Raising Public Awareness ~ Campaigning for Safer Standards
Supporting Victims & Dependants

Registered Charity No. 1115672

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[Claude's Profile](#)

[Dale's Profile](#)

[Mavis's Profile](#)

[Moya's Profile](#)

[Phip's Profile](#)

[Tom's Profile](#)

MRSA Action UK was founded by this group of people who met via the MRSA Discussion Forum. Having found themselves with like-minded people we wish to relieve the Distress and Suffering experienced by Patients who contract Healthcare Associated Infections. By producing materials, to serve as an aid, our aim is to provide an advocacy and support service to families and their carers. Also to raise the awareness of the general public in all areas relating to Healthcare Associated Infections MRSA Action UK are working alongside Government Agencies to bring Improvements and Safer Standards in the Healthcare System.

Elected Executive positions

Chair:	Graham Tanner
Secretary:	Bev Hurst
Vice Chairs:	Tom Snowball & Dale Law
Treasurer:	Mavis Law
Funding & Promotions:	Moya Stevenson

Regional Representatives

Patient Stories of MRSA

- **Destroys the family's faith in health services**
- **Causes unnecessary fear within the family (e.g. that they are a danger to others)**
- **Poor communication**
 - **Unprepared for risk of HAI**
 - **Presented as “just one of those things”**
 - **No support in dealing with the aftermath**

WP 4 Key Issues

- **How many countries?**
- **Who are the stakeholders?**
- **How do we reach them?**
- **Timetable**
 - **Scheduled**
 - **Agree ways of working with EAB and Management Team**
 - **Meet SHDI research team on 10th February**
 - **Identify participants & stakeholders by March 2007**
 - **Meeting with Graham Tanner and Bev Hurst (National Concern for Hospital Infections) by March 2007**
 - **To be scheduled**
 - **Draft questionnaire for first LUDDCH meeting (Month 1)**
 - **Set up on-line database (Month 5)**
 - **Attend first WP7 Workshop (Month 9) to present details to the hospitals**