



Department of  
**Health Policy**

# Executive MSc Health Economics, Outcomes and Management in Clinical Sciences

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In collaboration with the European  
Society of Cardiology

[lse.ac.uk/Clinical-exec-MSc](http://lse.ac.uk/Clinical-exec-MSc)



# Transform the future of health systems

The Executive MSc Health Economics, Outcomes and Management in Clinical Sciences is a specialist programme for health care professionals and industry leaders. The programme offers a set of tailored courses in health economics, outcomes research, and health care management.

## Gain the skills you need to accelerate your career

The advanced training in the programme provides participants with the key skills they need to become future drivers of change in their clinics, hospitals, regional and national health systems, regulatory bodies, and at an international level.

An expanding network of our graduates are taking on roles in guideline development panels, health technology assessment committees, public-private research initiatives, consulting companies, and other health care industries with the skills gained at the LSE helping them to excel.

## Complete your study around full-time work

Over two years, the courses will be delivered in four intensive two-week teaching blocks at the London School of Economics and Political Science. This schedule allows you to complete the degree alongside full-time work.



Developed in collaboration with the  
**European Society of Cardiology**




**2** years



**8** courses



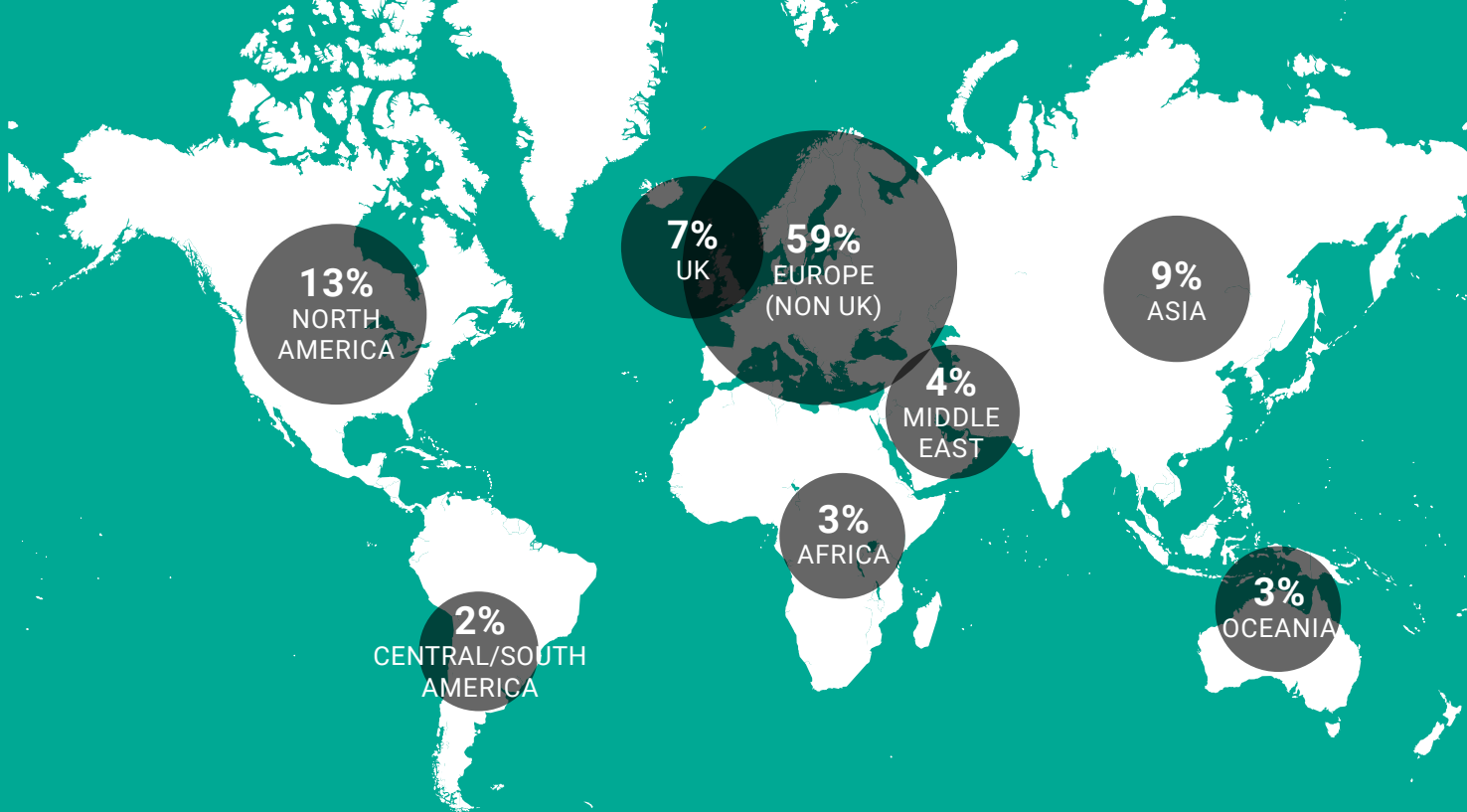
**4** teaching blocks at LSE

A photograph of the London skyline featuring the Gherkin and The Shard skyscrapers. The Gherkin is on the left, and The Shard is on the right. The sky is a pale, hazy blue. A white text box is overlaid on the left side of the image.

The programme has a carefully crafted curriculum to ensure that health care professionals gain a complementary set of skills to their specialized training in clinical medicine.

**Professor Andrew Street**  
Programme Director  
LSE Department of Health Policy





Students from  
over **35** countries

Age range:  
**28-57**

Average  
cohort size: **35**



“ The knowledge that I gained through the programme has enhanced the direction of my career. I am now working in a strategic role in the Health Service Executive, applying the concepts of health

economics to support service improvement and decision-making. I would recommend the programme to anyone who wants to have the chance to be engaged in the discussion and influence policy-making at that level. ”

**Bridget Caffrey-Armstrong**

Project Manager  
Health Service Executive  
Class of 2017  
ESC Scholarship Awardee

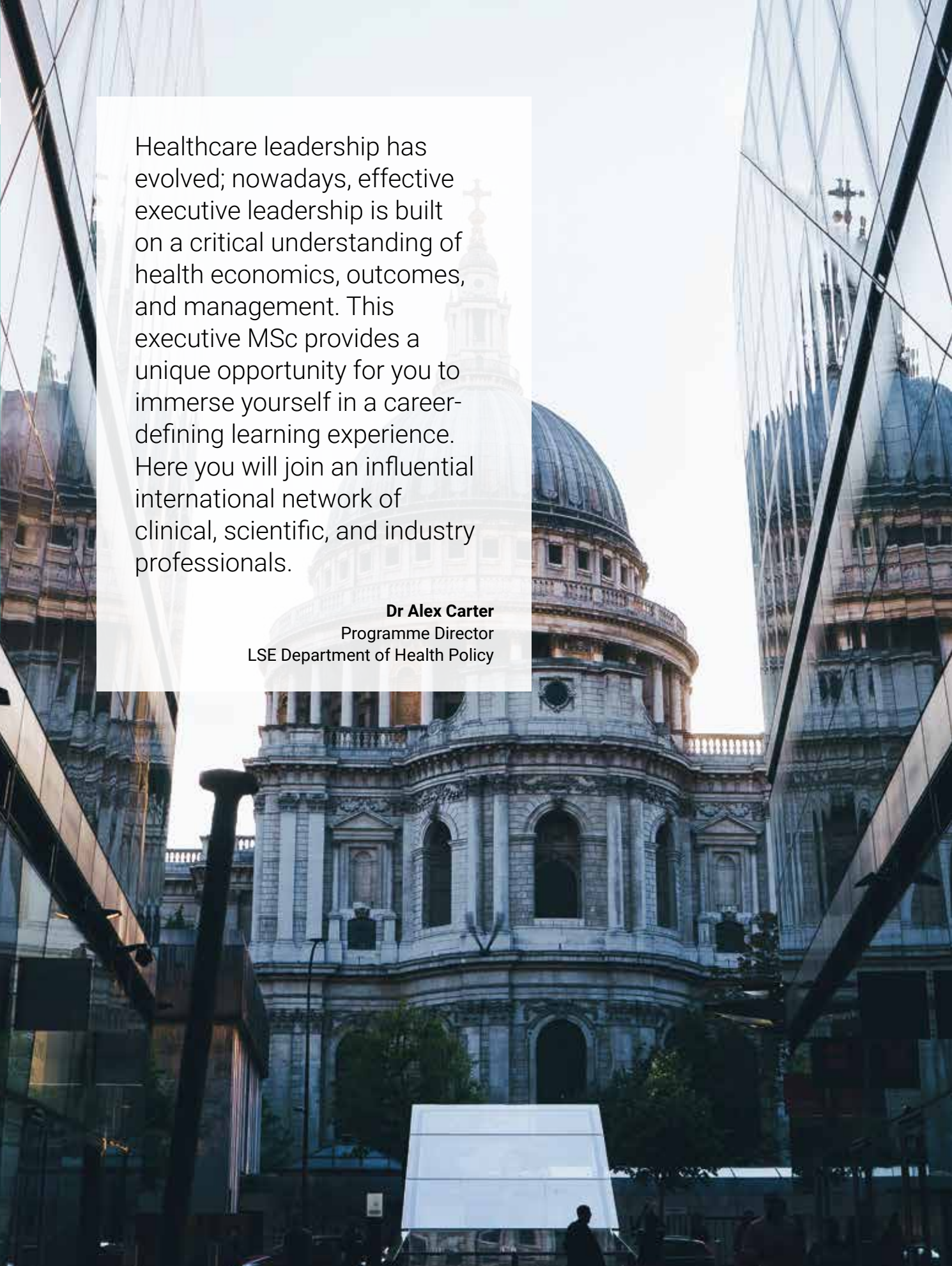


“ I would recommend this programme to clinicians that want to take on a bigger role in shaping the future of healthcare. The programme has opened up several opportunities for me and has helped facilitate

a career transition, enabling me to secure the position of Medical Director in the Norwegian Healthcare Investigation Board. This programme has also expanded my network and helped me build the skills that are needed to meet the future challenges of healthcare. ”

**Athar Ali Tajik**

Director of Medicine  
The Norwegian Healthcare Investigation Board  
Class of 2017  
ESC Scholarship Awardee

The background image is a low-angle shot of St Paul's Cathedral in London. The cathedral's iconic dome and classical architecture are the central focus. It is flanked by two modern glass-fronted skyscrapers, likely the Leadenhall Building and the Lloyd's building, which reflect the sky and the cathedral itself. The scene is set in a city street, with some silhouettes of people and streetlights visible in the foreground and lower corners. The lighting suggests it might be late afternoon or early morning, with a soft glow on the cathedral's facade.

Healthcare leadership has evolved; nowadays, effective executive leadership is built on a critical understanding of health economics, outcomes, and management. This executive MSc provides a unique opportunity for you to immerse yourself in a career-defining learning experience. Here you will join an influential international network of clinical, scientific, and industry professionals.

**Dr Alex Carter**  
Programme Director  
LSE Department of Health Policy

# Programme calendar

## YEAR 1

- > Quality and Outcomes in Clinical Sciences
- > Economic Analysis for Health Policy
- > Fundamentals of Management and Leadership in Health Care
- > Economic Evaluation in Health Care

## YEAR 2

- > Using Health Economics to Analyse and Inform Policy and Practice

⊕ three elective courses, see course description pages for more information.



# Courses

## YEAR 1

### **Quality and Outcomes in Clinical Sciences**

- > Provides an overview of the concept of quality, its key components, and its measurement in different health care systems.
- > Offers a critical perspective on the literature evaluating quality improvement interventions.

### **Economic Analysis for Health Policy**

- > Serves as an introduction to major developments in the economics of health and health care.
- > Provides health care professionals with a strong understanding of the role economics can play in health policy and health system administration.

### **Fundamentals of Management and Leadership in Health Care**

- > Delivers an introduction to the theory and practice of management for specialists moving into leadership roles in the health care field.
- > Explores a holistic view of organisational phenomena, and equips you with the ability to critique and synthesise the lessons of theory on the basis of effective and reflective practice.

### **Economic Evaluation in Health Care**

- > Focuses on analytic methods in the economic evaluation of health interventions.
- > Provides a strong foundation in cost-effectiveness analysis of interventions used in long-term chronic illnesses.

# Courses

## YEAR 2

### CORE

#### **Using Health Economics to Analyse and Inform Policy and Practice**

- > Gives an overview on how health systems are constructed, and how the various parts of the system interact.
- > Focuses on the role of regulation, resource allocation, payment arrangements, and the complexities of evaluating policy and performance.

#### **Students will then choose courses from the following:**

##### **Financing Health Care**

- > Gives a thorough grounding in health financing policy.
- > Focuses on the health financing functions of collecting revenue, pooling funds and purchasing services, as well as policy choices concerning coverage, resource allocation and provider payment mechanisms.

##### **Behavioural Insights for Health Incentive Design**

- > Introduces the main tools and principles of behavioural sciences and the key state-of-the-art applications to health economics, policy, and management.
- > Applies behavioural science tools to challenges in the health sector.

##### **Statistical Methods in Health Care Economic Evaluation**

- > Develops the statistical and modelling techniques necessary to apply economic evaluation to the health care sector.
- > Introduction to statistical methods, linear regression analysis, logistic regression analysis, survival analysis for health outcomes, survival analysis for treatment costs, economic evaluation and clinical trials. Estimation of confidence intervals for cost-effectiveness ratios. Transformation of ratios - net benefit approach. Missing data, parametric and non-parametric approaches. Presentation of analysis, acceptability curves.





## Health Administration and Management

- > Gain an orientation and overview on managing organisations within health systems.
- > Covers governance, execution, strategy, and sustaining human resources, including an examination of the uses of accounting and other forms of reporting to manage health services.

## Systematic Review and Meta-analysis

- > Covers the principles of reviewing and synthesizing the existing body of literature.
- > Provides an overview of methods for quantitatively synthesizing multiple randomized controlled trials in meta-analysis.

## Principles of Health Technology Assessment

- > Introduces the key principles of Health Technology Assessment, its operational modalities, the different models of value assessment and how they link to decision-making.

## Methods for Evaluating Health Programs and Policies

- > Provides an overview of the principles and models of evaluation, including the importance of developing a theory of change.
- > Focuses on key technical principles of experimental approaches, and the nature and impact of a range of problems.
- > Discusses data and measurement considerations for quantitative studies and practical and ethical issues when undertaking randomised evaluations.

## Health Care Quality Management

- > Reviews quality improvement methodology as used in healthcare settings internationally.

Please note that course regulations may change. For the most up-to-date list of courses, please visit

[lse.ac.uk/Clinical-exec-MSc](https://lse.ac.uk/Clinical-exec-MSc)




## How to apply

For more information and to apply, visit  
[lse.ac.uk/Clinical-exec-MSc](https://lse.ac.uk/Clinical-exec-MSc)

You will be required to submit your academic transcript, an academic statement of purpose, two references and your CV to complete your application.

If you have any questions about the programme, please contact us at  
[healthpolicy.exec@lse.ac.uk](mailto:healthpolicy.exec@lse.ac.uk)





As resource issues become ever more important within the health care sector, it becomes vital that those within the sector have a thorough understanding of how to best allocate and manage these resources. This programme equips students with the skills and tools to do so. Partnering with the European Society of Cardiology, the programme gives a unique perspective and understanding of the current problems faced by health care systems. Designed to allow mid-career individuals to continue working while taking the programme, students gain knowledge that builds on their own experience to become leaders in their chosen fields.

**Professor Alistair McGuire**  
LSE Department of Health Policy

Apply now

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## Contact us

Web: [lse.ac.uk/Clinical-exec-MSc](http://lse.ac.uk/Clinical-exec-MSc)

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