

Cost of Myocardial Infarction Management in Europe: The Case of France.

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Abstract

Aims

To estimate the overall mean cost of myocardial infarction (MI) management during the first year in France from a literature review and an estimation of the economic value of informal care.

Methods and Results

A systematic review of the literature reporting costs associated with the MI management in France published since 2000 was carried out according to the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines. Studies were evaluated according to the 10-item Drummond checklist to assess the methodological quality of the economic evaluation. The societal perspective was taken in order to include the costs incurred by the different economic agents of French society. A total of 46 articles were selected and 8 of which were included in this review. Informal care cost was estimated using the contingent valuation method. Overall mean cost of MI management during the first year was €30,430 in 2017 euros. Index admission costs represented the greatest proportion of the total cost (40.40%), followed by the cost of informal care (23.21%) that represented a mean of €7,063 (SD: €4,421) according to the contingent valuation method.

Conclusion

Informal care cost constituted around a quarter of the total amount of the MI management during the first year in France. Informal care must be included in economic evaluations.

Keywords: myocardial infarction; cost; informal care; literature review; France.
