

## Deep learning mortality prediction in NLST data

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### About this CDAS Project

**Study**

[NLST](#) (Learn more about this study)

**Project ID**

NLST-681

**Initial CDAS Request Approval**

Jun 26, 2020

**Title**

Deep learning mortality prediction in NLST data

**Summary**

In patients undergoing lung cancer screening, only 1-2% have lung cancer. The majority of patients are dying of other causes. These may relate to suspected damage in the heart for example, or unsuspected lesions on imaging. Deep learning methods could help elucidate features on CT imaging that link to mortality in lung cancer screening populations.

**Aims**

Use deep learning computer algorithms to identify features on NLST imaging that link to long-term mortality.

**Collaborators**

Prof Daniel Alexander, UCL

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