Perspectives on Addressing Evidence Gaps: NIH

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NASEM Committee on Addressing Gaps in Clinical Prevention March 16, 2021

Disclosures: None



This Past Week

Clinical Review & Education

JAMA | US Preventive Services Task Force | RECOMMENDATION STATEMENT

Screening for Lung Cancer US Preventive Services Task Force Recommendation Statement

US Preventive Services Task Force

IMPORTANCE Lung cancer is the second most common cancer and the leading cause of cancer death in the US. In 2020, an estimated 228 820 persons were diagnosed with lung cancer, and 135 720 persons died of the disease. The most important risk factor for lung cancer is smoking. Increasing age is also a risk factor for lung cancer. Lung cancer has a generally poor prognosis, with an overall 5-year survival rate of 20.5%. However, early-stage lung cancer has a better prognosis and is more amenable to treatment.

- Viewpoint page 933 and Editorial page 939
- Multimedia
- Related articles pages 971 and 988 and JAMA Patient Page page 1016



The NEW ENGLAND JOURNAL of MEDICINE

ESTABLISHED IN 1812

AUGUST 4, 2011

VOL. 365 NO. 5

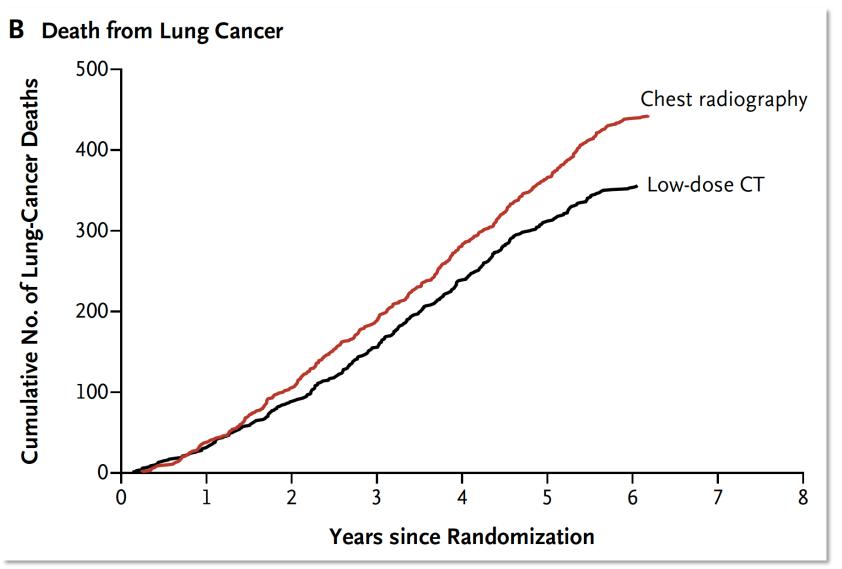
Reduced Lung-Cancer Mortality with Low-Dose Computed Tomographic Screening

The National Lung Screening Trial Research Team*

ABSTRACT



Large Number of Events (N=771)







The NEW ENGLAND JOURNAL of MEDICINE

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NOVEMBER 26, 2015

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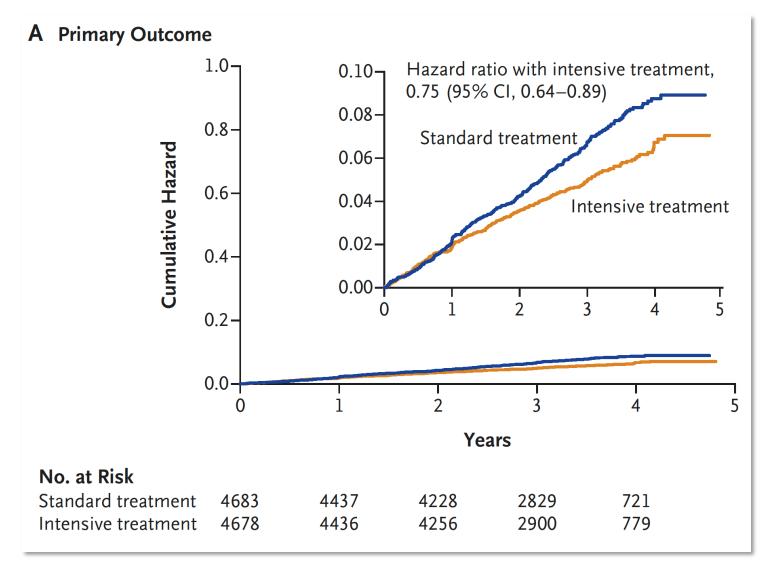
A Randomized Trial of Intensive versus Standard Blood-Pressure Control

The SPRINT Research Group*





Again, Large Number of Events (N=562)







Most Recent Prevention Question

The NEW ENGLAND JOURNAL of MEDICINE

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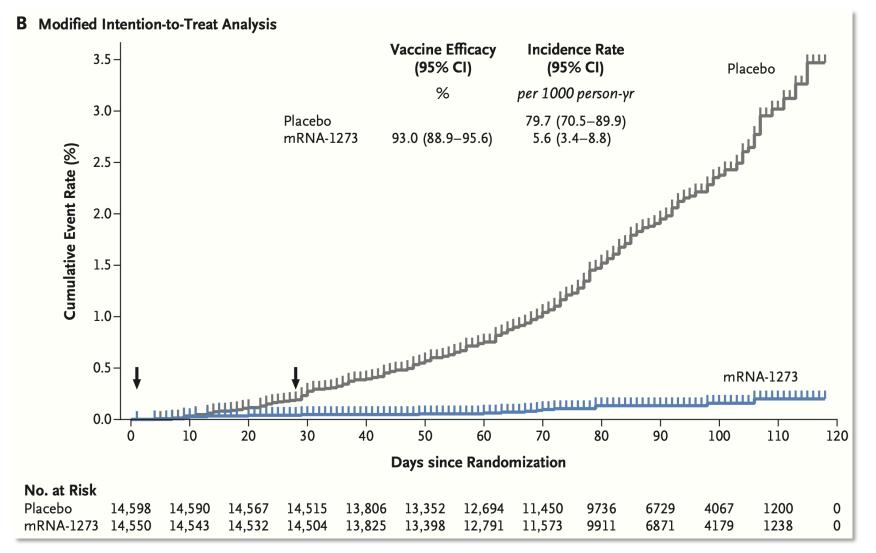
VOL. 384 NO. 5

Efficacy and Safety of the mRNA-1273 SARS-CoV-2 Vaccine

L.R. Baden, H.M. El Sahly, B. Essink, K. Kotloff, S. Frey, R. Novak, D. Diemert, S.A. Spector, N. Rouphael, C.B. Creech, J. McGettigan, S. Khetan, N. Segall, J. Solis, A. Brosz, C. Fierro, H. Schwartz, K. Neuzil, L. Corey, P. Gilbert, H. Janes, D. Follmann, M. Marovich, J. Mascola, L. Polakowski, J. Ledgerwood, B.S. Graham, H. Bennett, R. Pajon, C. Knightly, B. Leav, W. Deng, H. Zhou, S. Han, M. Ivarsson, J. Miller, and T. Zaks, for the COVE Study Group*



Again, Large Number of Events (N=288)







Common Themes

- Large (very large) sample sizes
- Large number of events
- Teams (not R01 material ...)
- High (very high) costs
- High (very high) opportunity costs, attention
- Lengthy (mRNA COVID vaccine an exception)

