

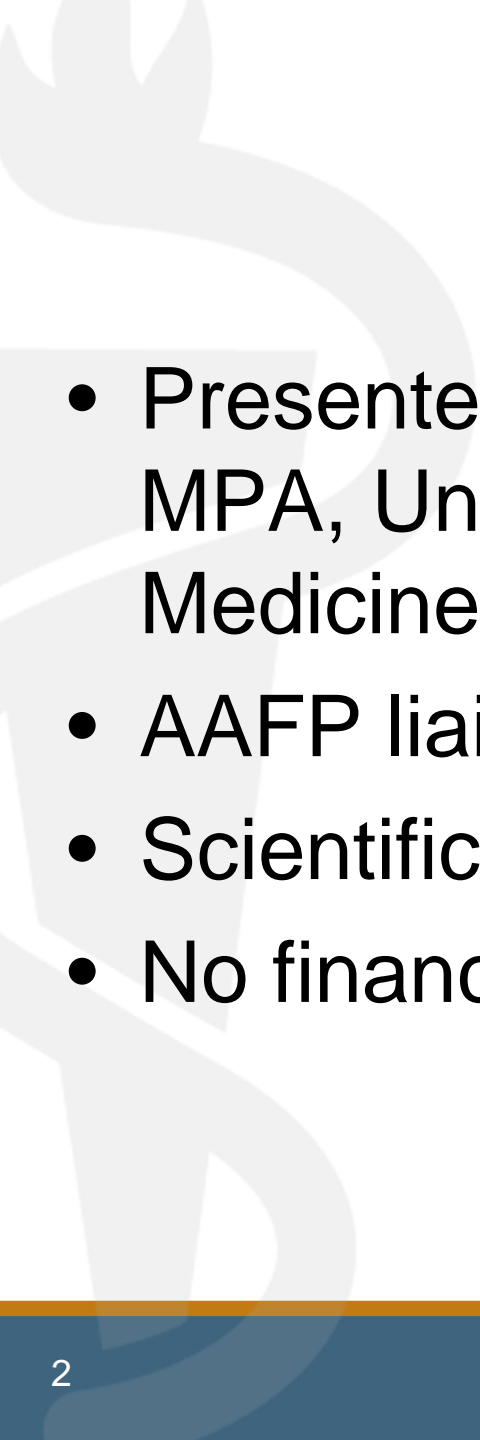
Lung Cancer Screening

Position of the AAFP



AMERICAN ACADEMY OF
FAMILY PHYSICIANS

STRONG MEDICINE FOR AMERICA

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- Presented by Doug Campos-Outcalt MD. MPA, University of Arizona College of Medicine, Phoenix
 - AAFP liaison to the USPSTF
 - Scientific Analyst for the AAFP CHSP
 - No financial or intellectual conflicts

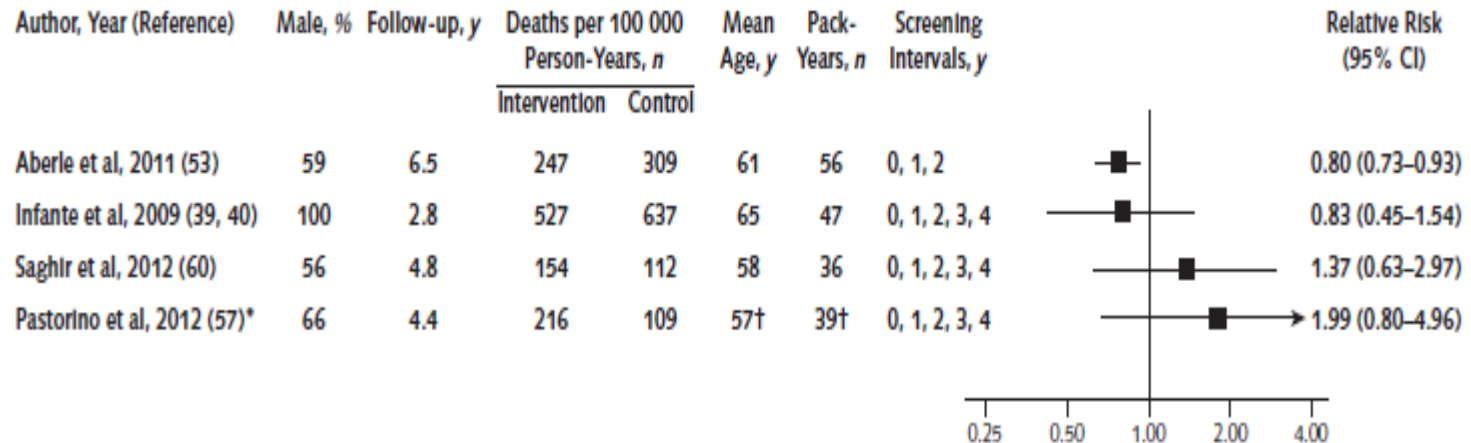
AAFP Recommendations on Clinical Preventive Services

- Found at <http://www.aafp.org/patient-care/clinical-recommendations/cps.html>
- USPSTF recommendations for screening, counseling and preventive medications (with rare exceptions)
 - HIV testing starting at 18, not 15
 - Lung cancer screening: “I” not “B”
- ACIP recommendations for immunizations
- EGAPP recommendations for genomic prevention issues
 - Only 1 to date

Lung Cancer Screening

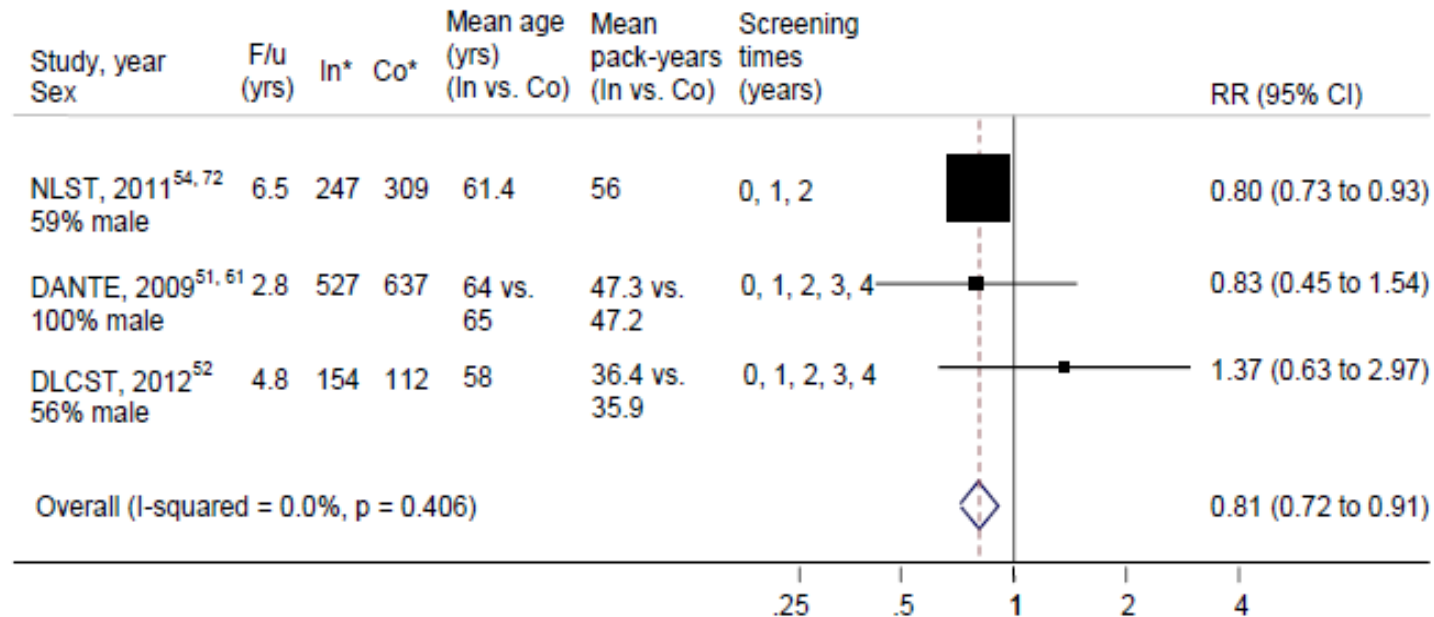
- 5 concerns
 - Based largely on one large study
 - Conditions of the NLST unlikely to be replicated in community settings
 - Age of participants and relative health
 - Conservative protocol for working up positive findings
 - Less benefit, more harms
 - Modeling
 - Extended number of tests and age range
 - A current smoker could possible get 25 CT scans
 - Unknown harms from accumulated radiation and follow up for positive findings
 - No cost- benefit analysis

Figure 1. Trial results for lung cancer mortality.



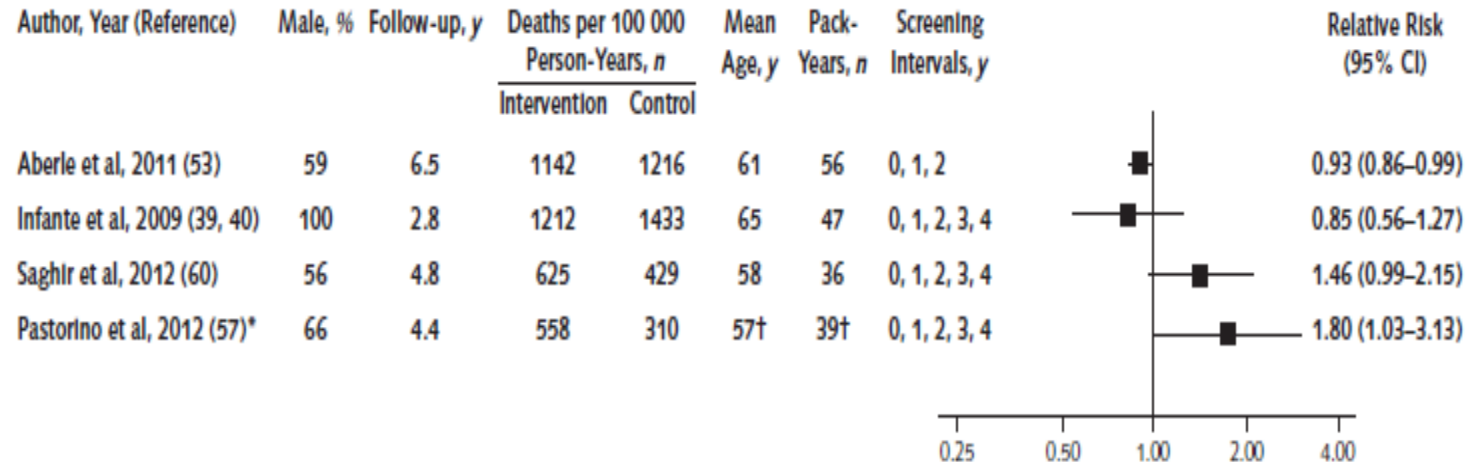
Humphrey LH, et al. Screening for lung cancer with low-dose computed tomography : a systematic review to update the U.S. Preventive Services Task Force recommendation. *Annals of Internal Medicine* 2013. [WWW.annals.org](http://www.annals.org) 30 July 2013 obtained from <http://www.uspreventiveservicestaskforce.org/uspstf/uspslung.htm>

Figure 3. Meta-Analysis of Lung Cancer Mortality



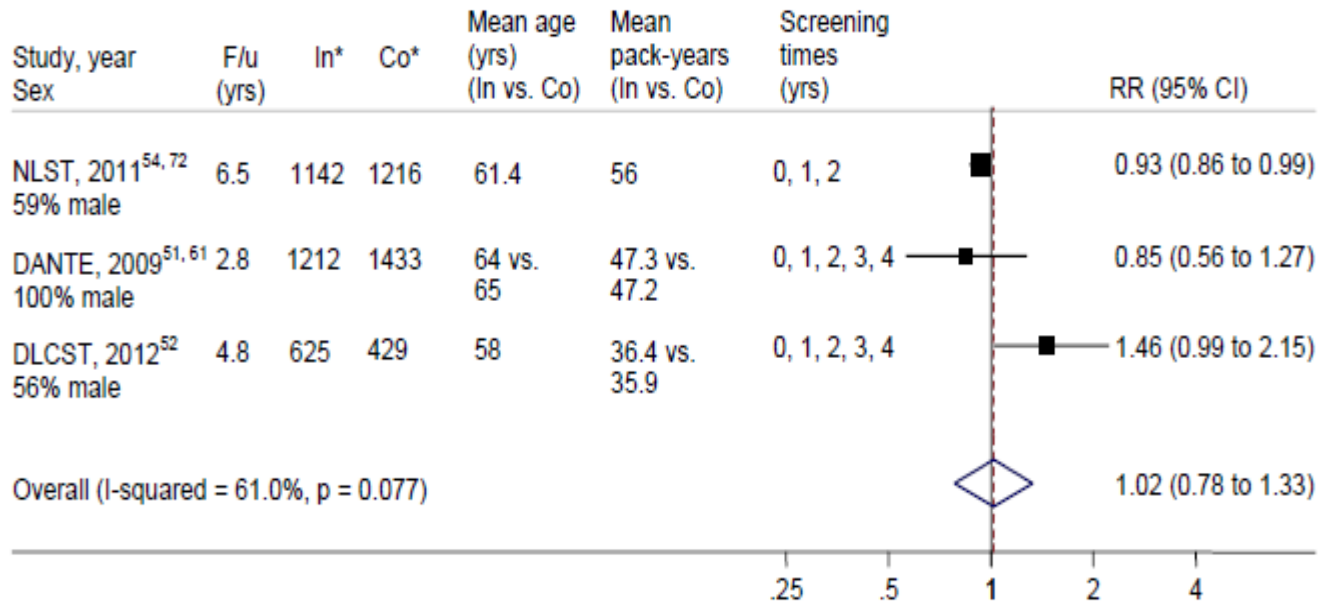
Humphrey L, et al. Screening for Lung Cancer: A Systematic Review to Update the U.S. Preventive Services Task Force Recommendation. Evidence Synthesis No. 105. Ahrq Publication No. 13-05188-EF-1. Rockville, MD: Agency for Healthcare Research and Quality; 2013

Figure 2. Trial results for all-cause mortality.



Humphrey LH, et al. Screening for lung cancer with low-dose computed tomography : a systematic review to update the U.S. Preventive Services Task Force recommendation. Annals of Internal Medicine 2013. [WWW.annals.org](http://www.annals.org) 30 July 2013 obtained from <http://www.uspreventiveservicestaskforce.org/uspstf/uspsslung.htm>

Figure 4. Meta-Analysis of All-Cause Mortality



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Three Options Considered by the CHPS

- B recommendation for 3 annual tests for those who meet criteria, with either “C” or “I” for further exams
- C recommendation
- I statement (Insufficient evidence)

I Statement Chosen

- Felt there was not enough evidence available to assess the harms.
- Not confident the benefits in community settings would equal the NLST

Suggestions Made by the AAFP to the USPSTF During Comment Period

- Restrict the recommendation to clinical settings that have a high rate of diagnostic accuracy using LDCT, appropriate follow up protocols for positive results, clear criteria for performing invasive procedures, and low complication rates from these invasive procedures.
- Consider better risk/benefit patient profiling to minimize the number of CT scans