

Supplemental Digital Content

Table 1 Supplementary File- Lung cancer detection modality, stage and histology, cause of death and corresponding all-cause and lung cancer-specific mortality rates (/100,000 person-years) by study (Italy, 2001-2011).

	DANTE study			MILD study		
	LDCT arm	CTRL group	All	LDCT arm	CTRL group	All
Nr. of subjects	1264	1186	2450	2376	1723	4099
Total patients with LC	104	72	176	88	33	121
Total deaths	180	176	356	102	62	164
Person-years FU	10,875	10,104	20,979	19,605	12,053	31,658
<i>Mode of detection</i>						
Screen detected	67	10	77	69	0	69
Interval cancer	37	62	99	19	33	52
<i>Stage</i>						
IA	31	6	37	37	6	43
IB	16	10	26	7	0	7
II	7	5	12	4	2	6
Other ^a	50	51	101	41	24	65
<i>Histotype</i>						
Adenocarcinoma	44	19	63	51	10	61
Squamous cell carcinoma	25	17	42	16	5	21
Other ^a	35	36	71	21	18	39
<i>Cause of death</i>						
Cancer of the lung	59	55	114	32	24	56
Cancer of other organs	54	59	113	41	16	57

Other ^b	67	62	129	29	22	51
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All-cause mortality

Rate /100,000 person-years	1655	1742	1697	520	514	518
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Lung cancer mortality

Rate /100,000 person-years	543	544	543	163	199	177
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^a Including missing values

^b One patient died of disseminated cancer of unknown origin, and one died of unknown causes in a foreign country

CTRL: control; LDCT: low-dose spiral computed tomography; MILD: Multicentric Italian Lung Detection trial

Table 2 Supplementary File - Results from the Cox proportional hazard models on overall survival and lung cancer specific mortality in LDCT group versus control group, in selected subsets of subjects (Italy, 2001-2011).

	Overall mortality			Lung cancer specific mortality	
	N	HR ^b	95% CI	HR ^b	95% CI
No NLST criteria ^a	2338	1.31	0.85-2.02	0.91	0.40-2.06
Age≥55 only	907	1.66	0.99-2.78	1.62	0.57-4.64
Pack-years≥30 only	1010	0.82	0.33-1.98	0.46	0.10-2.11
NLST criteria ^a	4211	0.80	0.66-0.97	0.82	0.59-1.14
NLST criteria ^a and FEV1<80%	548	0.87	0.56-1.37	0.94	0.48-1.85
Age≥55 and FEV1<80%	648	0.99	0.65-1.50	0.98	0.53-1.80
Pack-years≥30 and FEV1<80%	640	0.87	0.56-1.37	0.93	0.48-1.83
Current smokers with NLST criteria ^a	2579	0.73	0.57-0.93	0.71	0.48-1.06
Ex smokers with NLST criteria	1445	1.27	0.88-1.84	1.59	0.74-3.39

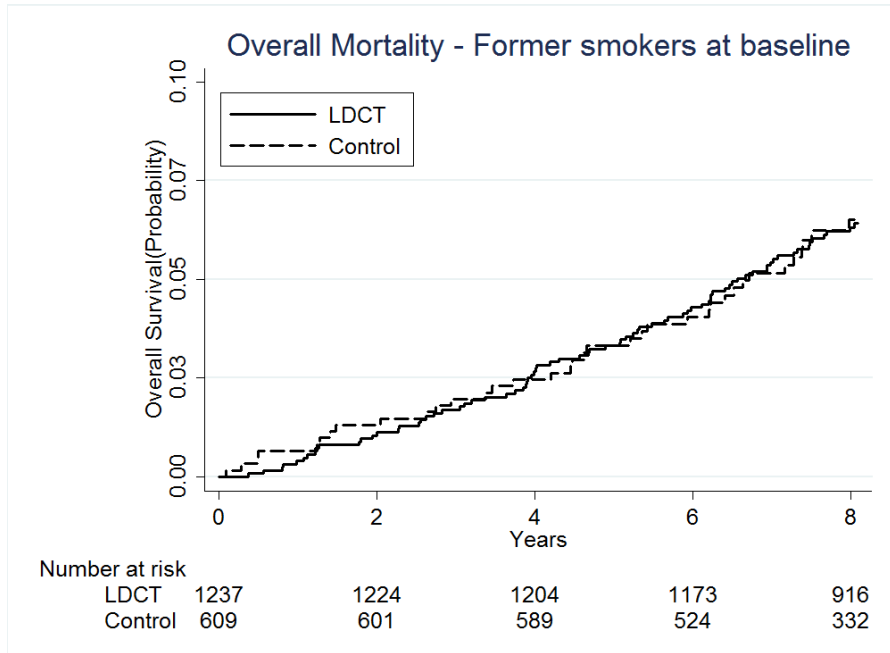
^aAge≥55 and pack-years≥30

^b Model adjusted for study, sex, age (continuous), pack-years (continuous) and FEV1 (continuous)

CI: confidence interval; FEV1: forced expiratory volume in 1 second; HR: hazard ratio

Figure 1 Supplementary File – Cumulative probability of death from all-causes in former smokers (Panel A) and current smokers (Panel B) at baseline (Italy, 2001-2011).

Panel A – $p=0.17$



Panel B – $p=0.52$

