

Table S1 Classification of screen-detected lung nodules at the first LDCT scan of baseline screening using NCCN and EUPS protocols

Nodule classification	NCCN protocol		EUPS diameter protocol		EUPS volume protocol	
	Diameter threshold (mm)	Manual diameter*, number (%)	Threshold (mm)	Semi-automated diameter [§] , number (%)	Threshold (mm ³)	Semi-automated volume, number (%)
Solid nodule						
Negative nodule	≤5	91 (63.2)	<5	25 (17.4)	<100	78 (54.2)
Intermediate nodule	≥6 & ≤14	49 (34.0)	≥5 & <10	104 (72.2)	≥100 & <300	48 (33.3)
Positive nodule	≥15	4 (2.8)	≥10	15 (10.4)	≥300	18 (12.5)
Part-solid nodule						
Negative nodule	≤5	0 (0.0)	<5	0 (0.0)	<100	0 (0.0)
Intermediate nodule	≥6 with solid part ≤7	3 (60.0)	≥5	5 (100.0)	≥100 & <300	1 (20.0)
Positive nodule	Solid part ≥8	2 (40.0)	–	–	≥300	4 (80.0)
Non-solid nodule						
Negative nodule	≤19	19 (100.0)	<5	1 (5.3)	<1,125	18 (94.7)
Intermediate nodule	≥20	0 (0.0)	≥5	18 (94.7)	≥1,125	1 (5.3)
Overall						
Negative nodule	–	110 (65.5)	–	26 (15.5)	–	96 (57.1)
Intermediate nodule	–	52 (30.9)	–	127 (75.6)	–	50 (29.8)
Positive nodule	–	6 (3.6)	–	15 (8.9)	–	22 (13.1)

*, average diameter rounded to the nearest whole number; [§], average diameter. LDCT, low-dose computed tomography; NCCN, National Comprehensive Cancer Network; EUPS, European Position Statement.

Table S2 Classification of screen-detected lung nodules at the first LDCT scan of baseline screening using NCCN protocol (without rounding the average diameter to the nearest whole number)

Nodule classification	Diameter threshold (mm)	Manual diameter*, number (%)
Solid nodule		
Negative nodule	<6	108 (75.0)
Intermediate nodule	≥6 & <15	32 (22.2)
Positive nodule	≥15	4 (2.8)
Part-solid nodule		
Negative nodule	<6	0 (0.0)
Intermediate nodule	≥6 with solid part <8	3 (60.0)
Positive nodule	Solid part ≥8	2 (40.0)
Non-solid nodule		
Negative nodule	<20	19 (100.0)
Intermediate nodule	≥20	0 (0.0)
Overall		
Negative nodule	–	127 (75.6)
Intermediate nodule	–	35 (20.8)
Positive nodule	–	6 (3.6)

*, average diameter not rounded to the nearest whole number. LDCT, low-dose computed tomography; NCCN, National Comprehensive Cancer Network.

Table S3 Management of participants and lung cancer diagnosis after the first LDCT scan at baseline screening round according to NCCN protocol (without rounding the average diameter to the nearest whole number)

Management	NCCN protocol
All participants (n=1,000)	
Next screening	962 (96.2%)
Short-term repeat (3/6 months)	32 (3.2%)
Referral to a pulmonologist	6 (0.6%)
Participants with solid nodule (n=103)	
Next screening	70 (68.0%)
Short-term repeat (3/6 months)	29 (28.2%)
Referral to a pulmonologist	4 (3.8%)
Participants with part-solid nodule (n=5)	
Next screening	0
Short-term repeat (3/6 months)	3
Referral to a pulmonologist	2
Participants with non-solid nodule (n=16)	
Next screening	16
Short-term repeat (3/6 months)	0
Referral to a pulmonologist	0
Participants without nodules (n=876)	
Next screening	876
No. of lung cancer diagnosis until (including) second round	10

LDCT, low-dose computed tomography; NCCN, National Comprehensive Cancer Network.