

Supplementary Table S1. Pairwise scan-level agreement and discordance across phases

Phase pair	Both negative (0/0)	Both positive (1/1)	Positive to negative (1/0)	Negative to positive (0/1)	Concordant	Discordant
Phase I vs Phase II	583	233	137	27	816 (83.3%)	164 (16.7%)
Phase I vs Phase III	551	254	61	114	805 (82.1%)	175 (17.9%)
Phase II vs Phase III	544	247	13	176	791 (80.7%)	189 (19.3%)

Note. Agreement and discordance were defined according to scan-level classification of the presence or absence of at least one reported pulmonary nodule on a given examination. Concordant = both negative plus both positive; discordant = positive-to-negative plus negative-to-positive.

Supplementary Table S2. Sensitivity analyses

A. Randomly retaining one scan per patient

Comparison	aOR	95% CI	P value
Phase II vs Phase I	0.597	0.532–0.669	<0.001
Phase III vs Phase I	1.249	1.119–1.393	<0.001
Phase III vs Phase II	2.093	1.863–2.351	<0.001

B. Excluding minors

Comparison	aOR	95% CI	P value
Phase II vs Phase I	0.585	0.519–0.658	<0.001
Phase III vs Phase I	1.248	1.114–1.397	<0.001
Phase III vs Phase II	2.134	1.894–2.405	<0.001

Note. Section A shows the sensitivity analysis after randomly retaining one scan per patient. Section B shows the sensitivity analysis after excluding minors. Population-averaged logistic generalized estimating equation models were used, with scan as the clustering unit and Phase I as the reference where applicable. aOR, adjusted odds ratio; CI, confidence interval.