

Supplemental file S2

Sup Table S1

SpO₂ Correlation between the smartwatch and the standard commercial device in different subgroups

	Healthy subjects	Lung Disease	CV Disease
r	0.91	0.93	0.86
95% CI	0.85-0.93	0.87-0.95	0.81-0.89
P	<0.0001	<0.0001	<0.0001

Sup Table S2

SpO₂ Concordance between the smartwatch and the standard commercial device in difference subgroups

	Healthy subjects	Lung Disease	CV Disease
bias	-0.84	-0.86	-0.41
SD of bias	1.51	1.55	1.58
95% CI	-3.6–2.3	-3.8-2.2	-3.5-2.7

Sup Table S3

HR Correlation between the smartwatch and the standard commercial device in different subgroups

	Healthy subjects	Lung Disease	CV Disease
r	0.98	0.99	0.98
95% CI	0.97-0.99	0.99-0.99	0.97-0.99
P	<0.0001	<0.0001	<0.0001

Sup Table S4

HR Concordance between the smartwatch and the standard commercial device in difference subgroups

	Healthy subjects	Lung Disease	CV Disease
bias	-0.15	-0.38	-0.11
SD of bias	2.3	1.53	2.5
95% CI	-4.9–4.7	-3.4-2.6	-5-4.8