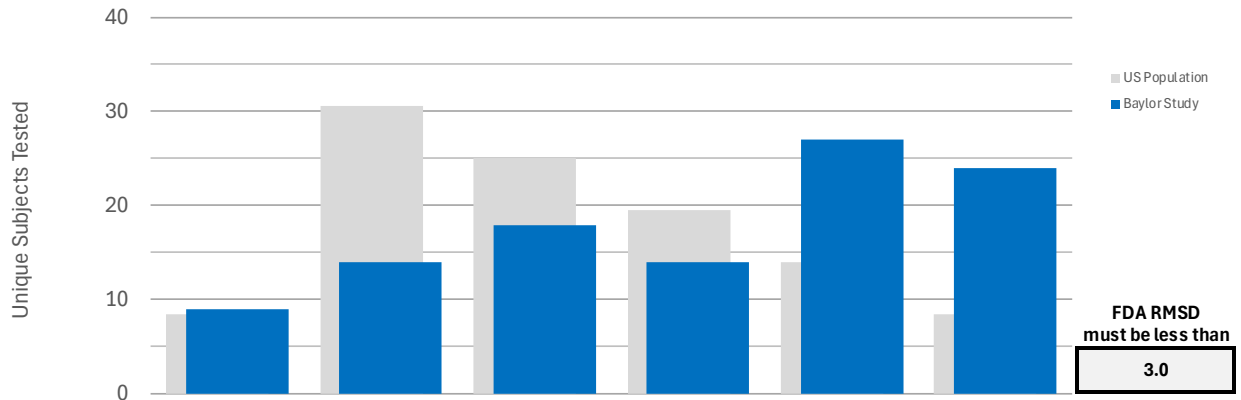


Baylor College of Medicine Field Testing Results - May 2025

Baylor
College of
Medicine

Fitzpatrick Histogram



Performance by Fitzpatrick

Pulse RMSD (% R)

	I	II	III	IV	V	VI	COMPOSITE
iPhone	2.12	1.00	1.68	2.49	1.91	1.09	1.77
Android	1.58	1.31	1.89	2.18	1.83	1.22	1.73
Ext. camera (Laptop)	1.00	1.04	1.87	1.45	0.96	1.38	1.32
Meets FDA Requirements	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Breath RMSD (% R)

iPhone	2.24	0.92	1.26	1.82	1.94	1.87	1.74
Android	1.54	1.22	1.53	1.77	1.95	1.37	1.62
Ext. camera (Laptop)	1.86	1.28	1.20	1.44	1.68	2.47	1.75
Meets FDA Requirements	Yes	Yes	Yes	Yes	Yes	Yes	Yes

RMSD better then the FDA Requirements (Fitzpatrick Categories) *

Pulse RMSD (% R)

iPhone	41%	200%	78%	21%	57%	176%	69%
Android	90%	129%	59%	38%	64%	145%	73%
Ext. camera (Laptop)	200%	190%	60%	107%	212%	117%	128%

Breath RMSD (% R)

iPhone	34%	226%	138%	65%	54%	61%	72%
Android	95%	145%	96%	69%	54%	119%	85%
Ext. camera (Laptop)	62%	134%	150%	108%	79%	21%	71%
(n) =	9	14	18	14	27	24	106
(n) All Devices =	27	41	52	41	81	72	314

Performance By Subject Age

Pulse RMSD (% R)

	Age 18-21	Age 22-55	Age 56-75	COMPOSITE
iPhone	1.31	1.80	2.04	1.76
Android	1.46	1.70	2.05	1.72
Ext. camera (Laptop)	0.82	1.49	0.83	1.28

Breath RMSD (% R)

iPhone	0.86	1.88	1.68	1.70
Android	1.15	1.72	1.48	1.60
Ext. camera (Laptop)	0.89	1.91	1.53	1.71

Performance By Subject BMI

Pulse RMSD (% R)

	BMI < 18.5	BMI 18.5-25	BMI 25-30	BMI > 30	COMPOSITE
iPhone	0.71	1.59	1.42	2.69	1.71
Android	0.00	1.62	1.64	2.21	1.70
Ext. camera (Laptop)	1.41	1.56	0.92	1.39	1.29

Breath RMSD (% R)

iPhone	0.00	1.42	1.77	2.30	1.70
Android	0.00	1.49	1.60	1.99	1.59
Ext. camera (Laptop)	0.71	1.99	1.64	1.39	1.73

* NOTE: All RMSD < 3.0 and performance vs FDA Requirements >0% exceed FDA medical-grade requirements.