



Electronic diagnosing in bipolar disorder

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Objective smartphone data

- number of outgoing and incoming calls /day
- outgoing and incoming text messages/day
- duration of phone calls (minutes/ day)
- number of times the smartphones' screen is turned "on/off"/ day
- duration the smartphone screen was "on"/day

Classification of bipolar disorder versus healthy controls based on automatically generated objective smartphone data

	Sensitivity ¹	Specificity ²	PPV ³	NPV ⁴
BD vs. HC	0.92	0.39	0.88	0.52

¹ Sensitivity= true positive/ positive

² Specificity= true negative/ negative

³ Positive predictive value

⁴ Negative predictive value