Online Appendix:

Table 1: agreement in diagnoses between ehr coded (rows) and manual review of provider narrative (columns) in random 25% sample (n=200)

\mathbf{i}									
	Schiz	zophrenia	Bipolar	disorder	Depression				
EHR	+ —		+	+ —		_			
+	42	0	56	0	39	0			
_	11	147	16	128	45	116			
kappa		.85	.8	2	.50				

Table 2: diagnostic accuracy of 25% random sample (n=200) without additional information provided by manual review

_	Schizophrenia			Bi	polar disord	ler	Depression			
Administrative Data	No		Yes	No		Yes	No		Yes	
No	141		11	117	8		123		17	
Yes	17		31	27		48	38		22	
Total Cases	158		42	144		56			39	
	estimate	959	95% CI		95	% CI	estimate	95	5% CI	
Sensitivity	89%	83%	94%	81%	74%	87%	76%	69%	83%	
Specificity	74%	58%	86%	86%	74%	94%	56%	40%	72%	
PPV	93%	87%	96%	94%	88%	97%	88%	81%	93%	
NPV	65%	50%	78%	64%	52%	75%	37%	25%	50%	

Table 3: diagnostic accuracy of 25% random sample (n=200) with additional information provided by manual review

· ·	Schizophrenia			Bi	polar disc	rder	Depression			
Administrative Data	No		Yes	No		Yes	No		Yes	
No	138		14	110		15	95		45	
Yes	9		39	15		57	21		39	
Total Cases	147		53	128		72	116		84	
	estimate	959	% CI	estimate	9	95% CI	estimate	95	% CI	
Sensitivity	94%	89%	97%	86%	79%	91%	82%	74%	88%	
Specificity	74%	60%	85%	79%	68%	88%	46%	36%	58%	
PPV	91%	85%	95%	88%	81%	93%	68%	59%	76%	
NPV	81%	67%	91%	76%	65%	85%	65%	52%	77%	

Table 4: concordance of administrative claims for determining absence of long-standing fda indications in those less than 19 years of age (n=244)

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	Medical Record									
	Schi	zophrenia	l	Bipol	ar disorde	er	Schizophrenia or bipolar disorder			
Administrative Data	No	Yes		No	Yes		No		Yes	
No	234	2		193	3		185	5		
Yes	8	0		28	20		34	20		
Total	242	2		221	23		219	25		
	Estimate	95% CI Estimate		95% CI		estimate	95% CI			
Prevalence	99%	97%	100%	91%	86%	94%	65%	61%	70%	
Sensitivity	97%	94%	99%	87%	82%	91%	85%	79%	89%	
Specificity	0%	0%	84%	87%	66%	97%	80%	59%	93%	
PPV	99%	97%	100%	99%	96%	100%	97%	94%	99%	
NPV	0%	0%	37%	42%	28%	57%	37%	24%	51%	

Table 5: concordance of administrative claims for determining absence of long-standing fda indications in those greater than 18 years of age (n=544)

	0									
	Medical Record									
	Schi	zophrenia		Bipola	ar disorde	r	Schizophren	ia or bipol	ar disorder	
Administrative Data	No	Yes		No	Yes		No		Yes	
No	426	12		370	9		282	16		
Yes	59	47		116	49		150	96		
Total	485	59		486	58		432	112		
	Estimate	95%	6 CI	Estimate	95% CI		estimate	95% CI		
Prevalence	89%	86%	92%	89%	86%	92%	79%	76%	83%	
Sensitivity	88%	85%	91%	76%	72%	80%	95%	91%	70%	
Specificity	80%	67%	89%	85%	73%	93%	86%	78%	92%	
PPV	97%	95%	99%	98%	96%	99%	95%	91%	97%	
NPV	44%	35%	54%	30%	23%	37%	39%	33%	45%	