

How Surveys Differ in the Quality of Reported Medicaid Enrollment: State Surveys and the CPS

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Kathleen Thiede Call, Ph.D. SHADAC, School of Public Health University of Minnesota

Study co-authors and sponsorship
State survey analysis
Michael Davern
Gestur Davidson
Rebecca Nyman
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CPS analysis
SNACC team from: SHADAC, NCHS, DHHS-ASPE, Abt Associates, CMS, and Census Bureau
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Medicaid Undercount Experiment (MUE) Surveys						
State MUE:	Number of Completes (Response Rate-AAPOR RR4)	Analytic Sample Size				
California: Medicaid adults	1,423 (41.7%)	1,316				
Florida: Medicaid adults (<65) & children	1,087 (29.8%)	940				
Pennsylvania: Medicaid adults and children	1,582 (55.9%)	1,392				
Analytic sample exclusions: Those in institutional settings (e.g., nursing homes, group quarters); missing coverage or health status data; not enrolled in Medicaid at time of survey.						







Self-Reported	Sta	ate Surve	eys			
Coverage	СА	FL	ΡΑ	CPS		
Any Medicaid	83.1%	87.0%	79.9%	58.9%		
Otherwise Public	1.7%	2.7%	9.2%	9.5%		
Otherwise Private	4.7%	5.4%	7.5%	14.6%		
Uninsured	10.4%	4.9%	3.4%	16.9%		
Health insurance measurement:All provide a list of insurance types; verify uninsuration for those saying "no" to all types.State survey ask about <i>current</i> health insurance cover						







Summary of Results
 Contrary to long held assumptions, Medicaid enrollees are fairly accurate reporters of point in time <u>insurance status</u>; fewer falsely report being uninsured than believed Results point to role of measurement error Respondents are reasonably good at reporting if they do or do not have coverage Respondents are somewhat less accurate reporters of specific types of coverage Errors are greatest in the CPS Likely candidates for imputing Medicaid status: Poverty age relationship to reference person
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	Medicaid	Unde	rcount Exper (MUE) Su	ime rvey
State MUE:	MUE Sample Frame* (Survey Administration Period)	Number of Completes** (Response Rate***)	Sample Exclusions	Analytic Sample Size
California	Medicaid adults enrolled December 2003 (February - May 2004)	1,423 (41.7%)	8 group setting; 24 missing coverage data; 66 not enrolled at time of survey; 7 missing health status; 2 missing country of birth	1,316
Florida	Medicaid adults (<65) & children enrolled August 2004 (September, November 2004)	1,087 (29.8%)	1 missing coverage data; 1 unsure of coverage; 58 not enrolled at time of survey; 81 non-representative cases over age 65; 4 missing health status	940
Pennsylvania	Medicaid adults and children enrolled April 2004 (June - September 2004)	1,582 (55.9%)	39 missing coverage data; 4 unsure of coverage; 104 not enrolled at time of survey; 42 not eligible; 1 missing health status	1,392
* Sample fram ** The number *** Reported re cases complet those no longe	e excludes those in institutional se of completes reported are those for sponse rates are based on an AA ing a survey including those for wh r enrolled at the time of th	ttings (e.g., nursi or whom a match POR RR4 calcul iom a no match i	ng homes, group quarters). n in the adminstrative data was possit ation. The response rate is calculater n the administrative data was possibl	ble. d for all e and



Reporting Medicaid (= 1)						
/ariables	Californi	а	Florida		Pennsylva	nia
Survey data	Odds ratio		Odds ratio		Odds ratio	
Male	0.88		0.93		0.72	*
Non-Hispanic Black	0.87		0.45	***	0.72	
Hispanic	0.66		1.15		0.89	
Non-Hispanic Other	1.17		2.13		4.60	
Income < 100% FPL	3.39	***	2.23	**	2.68	***
Income 100 to 199% FPL	2.26	**	1.03		1.42	
Less than High School (adult or parent)	0.70		1.17		1.86	**
High School Degree (adult or parent)	0.97		1.01		1.37	
Unemployed (adult or parent)	2.60	***	1.83	*	1.84	***
Survey in English language			0.50			
Survey in Spanish language	1.11					
Survey in other non-English language#	0.67					
US born	1.18					
Self-reported poor/fair health	2.17	***	0.79		1.29	
Age less than 18~			4.42	***	1.12	
Age 65 and over	1.56				0.20	***
Administrative data						
Medicaid managed care enrollment	1.73	*	4.01	***		
Non-elderly Dual eligibles	1.12		9.78	***	3.06	
Social Security Income (SSI)	10.69	***	24.44	***	1.12	
Temparory Assistance for Needy Families (TA	18.31	***	8.26	***	3.16	**
1 Full medical benefits, no cash benefits	3.61	***	7.15	***	1 94	*

Variables	Californi	а	Florida		Pennsylva	inia
Survey data	Odda ratio		Odda ratio		Odda ratio	
Mala					2 71	**
Non-Hispanic Black	0.38		0.82		2.71	*
Hispanic	2 00	1	0.50		1.00	
Non-Hispanic Other	1 42		0.36		0.84	
Income $< 100\%$ FPI	2.31		1 23		1.32	
Income 100 to 199% FPI	2.52		1.23		1 20	
Less than High School (adult or parent)	1.40		1.52		1.27	
High School Degree (adult or parent)	0.72		1.87		0.57	
Unemployed (adult or parent)	0.72		0.43	*	0.68	
Survey in English language	-		0.73			
Survey in Spanish language	0.85					
Survey in other non-English language#	0.44					
US born	1.12					
Self-reported poor/fair health	0.57	*	1.26		0.47	
Age less than 18~			0.21	***	0.11	***
Age 65 and over	0.09	***			а	
Administrative data						
Medicaid managed care enrollment	0.36	**	0.22	***		
Non-elderly Dual eligibles	0.16	*	0.07	***	0.04	***
Social Security Income	0.05	***	0.25		а	
Temparory Assistance for Needy Families (Tr	0.06	***	0.68		а	
2 Full medical benefits no cash benefits	0.34	***	0.82		0.34	**

	What are the factor	ors assoc	iated with
	measureme	ent accur	acy/error?
	Selected Logistic Regression Odds Ratios for Replying Uninsured Among Those CPS Cases to the MSIS (Reference Categories is the Lin	Not Replying Enrolle With Reported Dat I ked Data File Ave r	ed in Medicaid and a that were Linked age): 2000-2001
		Odds Ratio for Not	Odds Ratio for
		Reporting	Reporting
	Variable	Medicaid	Uninsured
	Length of Time Enrolled and Recency		
	Enrolled at time of Survey	0.7	0.7
	Enrolled all of last year	0.4	0.5
	Race/Ethnicity		
	Hispanic	1.3	1.7
	Black	N/S	N/S
	White	0.6	0.5
	Selected Age		
	Age 0-5	0.6	0.4
	Age 6-14	0.8	3.7
	Age 15-17	0.8	0.6
	Age 18-44	1.4	6.1
SHA DAC	23		SHA DAC

	A	dditiona	al Covar	iates
		Odds Ratio for Not	Odds Ratio for	
		Reporting	Reporting	
	Variable	Medicaid	Uninsured	
	Income			
	No Income Reported	3.1	3.3	
	Poverty Ratio 0-49	0.2	N/S	
	Poverty Ratio 50-74	0.4	N/S	
	Poverty Ratio 75-99	0.7	1.4	
	Poverty Ratio 100-124	N/S	N/S	
	Poverty Ratio 125-149	1.4	N/S	
	Poverty Ratio 150-174	1.5	0.7	
	Poverty Ratio 175-199	2.2	N/S	
	Poveny Ratio 200+	3.9	N/5	
	Utilization and Managed Care	0.6	0.6	
	Utilization Noted Dut No Managed Care	0.0	0.0	
	No. Litilization Noted, Not on Managed Care	2.0	0.5 N/S	
	No utilization Noted, on Managed Care	2.3	N/S	
	Other Program Participation	1.4	1.0	
	SSI Recipient indicated on MSIS	2.0	2.4	
CHA	TANF indicated on MSIS	0.8	0.8	SHA
SILA	Dual eligible indicated on MSIS	0.7	0.3	DAC
STATE HEALTH ACCESS DATA ASSISTANCE CENTRA	24			STATE HEALTH ACCESS DATA ASSISTANCE CENTER

		Stat	te Odds	Ratios
	Variable	Odds Ratio for Not (Reporting Medicaid	Odds Ratio for Reporting Uninsured	
	Selected States AL AR CA CO DE	N/S 1.3 1.5 1.5 1.9	1.7 1.4 N/S 0.7 0.5	
	FL HA LA MD MA	N/S 1.9 1.5 2.0 0.6	1.3 0.5 1.5 N/S 0.5	
	MN NH NJ ND OK	N/S 0.5 1.4 N/S 1.5	0.6 0.6 N/S 1.7 2.1	
SHA DAC	PA RI SD TX VT WA 25 All Reported Odds Ratio Significant	1.7 0.5 N/S N/S 0.5 1.6 at p<.05 level	N/S 0.5 2.5 1.7 0.7 1.5	SHA DAC