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# Long Term Care Indicator Databook for Rhode Islanders:

Access, Quality and Health Status Indicators  
For Rhode Islanders  $\geq 18$  Years Old  
By Age Group and Health Insurance Coverage  
Trends 2002-2007

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## **PURPOSE OF LONG TERM CARE INDICATORS**

To assess, design, monitor and evaluate long term care health and social services and program interventions for Rhode Islanders on Medicaid using existing public health data sets. The trend data in this report is designed to determine unmet health needs, measure access to care, and evaluate health outcomes of Medicaid enrollees in long term care compared to Rhode Islanders on Medicare or the Privately Insured.

*1 – See Griffin J, Health Indicator System for Rhode Islanders on Medicaid: An Effective Model to Identify Unmet health Care Needs and Evaluate Program Initiatives, Robert Wood Johnson, Center for Health Care Strategies Resource Paper #271, April 2005*

## **METHODS**

### Health Indicator Selection Criteria:

RI population based data set that:

- Contains Long Term Care Measures
- Is collected annually, so trend comparisons can be made
- Collects insurance coverage, so comparisons can be made between Medicare, Medicaid, and Privately Insured.

### Two Data Sets that meet these criteria:

1. Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health
2. Hospital Discharge Data Set (HD) 2002-2007, RI Department of Health

## HIGHLIGHTS

- Approximately 1 in 3 hospitalizations for Rhode Islanders ages 18-64 on fee for service Medicaid is for a mental disorder (See Figure 1-1).
- Elderly on Medicaid ( $\geq 65$  years old) have almost twice the percentage of hospitalizations for ambulatory care sensitive conditions (e.g., asthma, diabetes, hypertension) (See Figures 1-2, 1-3).
- The percent of Medicaid beneficiaries who are discharged from the hospital to home with home health agency services has increased from 2002-2007. For working-aged the percent has increased from 11% to 12% and for elderly the percent increased from 24% to 28% (See Figures 1-4, 1-5).
- The rate of “avoidable” hospitalizations (PQIs) is decreasing for the publically insured. In 2005 the PQI rate for Rhode Islanders on FFS Medicaid was 2,313 per 100,000 and in 2007 this PQI rate declined to 2,088.3 per 100,000 (See Figure 2-1).

## HIGHLIGHTS

- Rates of PQIs for diabetes hospitalizations and bacterial pneumonia have dropped significantly from 2005-2007 for Rhode Islanders on FFS Medicaid (See Figures 2-2, 2-3).
- Receipt of flu shot and pneumonia vaccine has increased from 2002-2007 for working-aged adults on FFS Medicaid. Receipt of the flu shot went from 32% to 39% and for pneumonia vaccine went from 20% to 30% (See Figures 3-3, 3-4).
- Rates of chronic disease are high among FFS Medicaid beneficiaries. 12% have diabetes, 28% have asthma, 42% have arthritis, and 33% are obese (See Figures 3-5 – 3-8).
- 43% of FFS Medicaid beneficiaries rate their healthcare as fair/poor. In addition on average 17 days a month their physical health is not good and 17 days a month their mental health is not good.
- Medicaid beneficiaries have the highest rate of cigarette smoking. 43% of working age Rhode Islanders on Medicaid smoke whereas 26% of Medicare beneficiaries smoke and only 17% for the privately insured.



## Section 1: Long Term Care Indicators from Rhode Island Hospital Discharge Data Set

**LIST OF LONG TERM CARE INDICATORS FROM RHODE ISLAND HOSPITAL DISCHARGE DATA SET**

<b>Indicator #</b>	<b>Health Indicator</b>	<b>Years Available</b>	<b>Data Set</b>	<b>Page #</b>
1-2	Total Hospitalizations	2002-2007	Hospital Discharge Data Set	11
3-4	Average Length of Hospital Stay	2002-2007	Hospital Discharge Data Set	11
5-6	Percent of Hospitalizations with Primary Diagnosis of Mental Disorder	2002-2007	Hospital Discharge Data Set	12
7-8	Percent of Hospitalizations for Ambulatory Care Sensitive Conditions	2002-2007	Hospital Discharge Data Set	12
9-10	Percent of Hospitalizations Discharged to Home	2002-2007	Hospital Discharge Data Set	13
11-12	Percent of Hospitalizations Discharged to Home with Home Health Agency Services	2002-2007	Hospital Discharge Data Set	14
13-14	Percent of Hospitalizations Discharged to Skilled Nursing Facility	2002-2007	Hospital Discharge Data Set	14

**Table 1: Hospitalization Indicators by Age Group and Health Insurance Coverage**

	2002	2003	2004	2005	2006	2007
<b>1) Total Hospitalizations (age 18-64)</b>						
Medicare	8,182	8,434	8,812	9,603	10,143	10,800
FFS Medicaid	6,963	7,589	8,095	8,670	8,765	8,327
Private	35,592	36,193	36,032	35,354	35,425	36,408
<b>2) Total Hospitalizations (age &gt;=65)</b>						
Medicare	49,836	48,845	49,592	50,719	50,570	47,256
FFS Medicaid	352	373	475	390	361	413
Private	2,635	2,623	2,587	2,752	3,640	5,763
<b>3) Average Length of Stay (age 18-64)</b>						
Medicare	7.0	7.0	7.0	7.0	7.1	6.8
FFS Medicaid	7.1	6.9	7.1	7.2	6.8	6.9
Private	4.2	4.3	4.2	4.3	4.2	4.3
<b>4) Average Length of Stay (age &gt;=65)</b>						
Medicare	6.2	6.1	6.1	6.2	6.0	6.0
FFS Medicaid	7.3	6.1	6.5	6.8	7.6	5.9
Private	6.4	6.2	5.7	5.8	6.1	6.4

**Table 1: Hospitalization Indicators by Age Group and Health Insurance Coverage**

	2002	2003	2004	2005	2006	2007
<b>5) Percent of Hospitalizations with Primary Diagnosis of Mental Disorder * (age 18-64)</b>						
Medicare	25.7	24.1	25.6	26.2	28.0	28.1
FFS Medicaid	31.8	34.4	36.5	34.5	33.4	29.2
Private	11.1	9.4	9.0	9.3	9.5	11.0
<b>6) Percent of Hospitalizations with Primary Diagnosis of Mental Disorder * (age &gt;=65)</b>						
Medicare	2.8	2.8	3.0	2.8	3.0	2.9
FFS Medicaid	4.0	2.4	3.0	1.5	2.8	2.2
Private	7.0	2.7	1.8	1.2	2.5	4.0
<b>7) Percent of Hospitalizations for Ambulatory Care Sensitive (ACS) Conditions** (age 18-64)</b>						
Medicare	17.1	18.5	16.4	16.4	16.0	16.3
FFS Medicaid	14.1	14.3	13.9	14.6	13.4	14.2
Private	7.8	8.3	8.0	7.8	7.4	7.6
<b>8) Percent of Hospitalizations for Ambulatory Care Sensitive (ACS) Conditions** (age &gt;=65)</b>						
Medicare	23.5	23.5	22.8	23.8	22.8	22.4
FFS Medicaid	25.6	28.4	30.5	29.0	23.8	22.5
Private	15.6	16.0	16.3	16.5	18.0	19.6

\* - Mental Disorder = ICD9 codes 290-319

\*\* - ACS Conditions include asthma, diabetes, gastroenteritis, hypertension, COPD, CHF, angina, PID, ENT, hypoglycemia

**Table 1: Hospitalization Indicators by Age Group and Health Insurance Coverage**

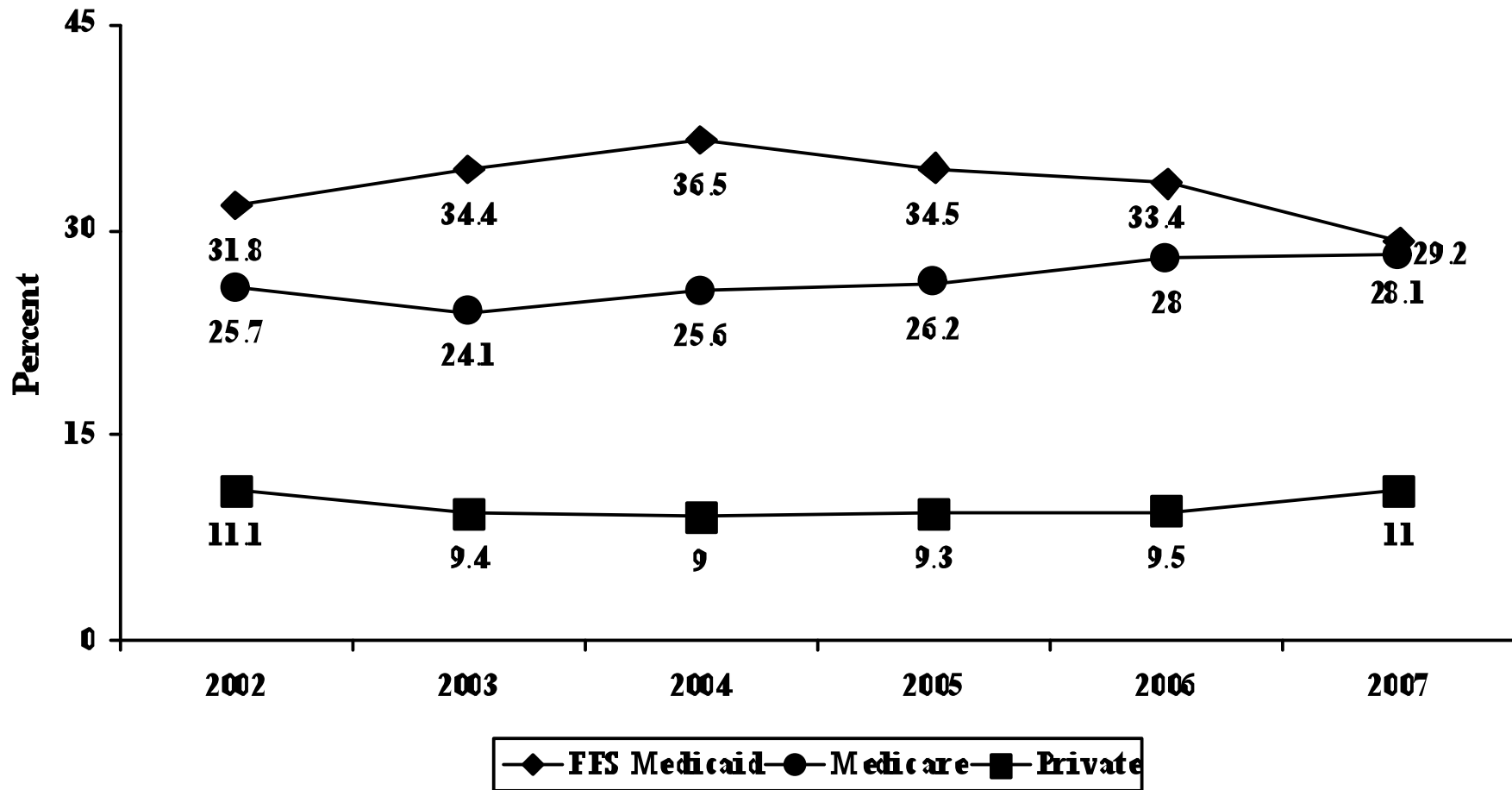
	2002	2003	2004	2005	2006	2007
<b>9) Percent of Hospitalizations Discharged to Home (age 18-64)</b>						
Medicare	61.6	60.7	61.5	61.2	64.6	63.2
FFS Medicaid	72.1	72.0	71.9	71.4	73.6	72.2
Private	81.9	81.9	81.2	80.5	82.6	81.2
<b>10) Percent of Hospitalizations Discharged to Home (age &gt;=65)</b>						
Medicare	36.2	35.6	35.0	33.8	37.2	33.6
FFS Medicaid	48.3	40.5	47.2	44.6	49.0	47.7
Private	50.0	46.2	50.9	53.1	45.9	36.0

**Table 1: Hospitalization Indicators by Age Group and Health Insurance Coverage**

	2002	2003	2004	2005	2006	2007
<b>11) Percent of Hospitalizations Discharged to Home with Home Health Agency Services (age 18-64)</b>						
Medicare	16.8	16.2	15.6	15.8	13.7	15.5
FFS Medicaid	11.2	11.1	11.3	11.4	10.3	12.0
Private	8.5	8.8	9.0	10.1	9.0	10.4
<b>12) Percent of Hospitalizations Discharged to Home with Home Health Agency Services (age &gt;=65)</b>						
Medicare	23.8	23.9	23.5	24.7	22.3	25.8
FFS Medicaid	23.6	23.6	21.9	25.1	26.3	28.3
Private	18.1	19.4	19.7	20.0	21.6	26.5
<b>13) Percent of Hospitalizations Discharged to Skilled Nursing Facility (age 18-64)</b>						
Medicare	8.3	9.0	9.3	9.4	7.9	8.5
FFS Medicaid	3.9	4.1	4.2	4.0	3.6	3.6
Private	1.9	2.4	2.2	2.3	2.3	2.4
<b>14) Percent of Hospitalizations Discharged to Skilled Nursing Facility (age &gt;=65)</b>						
Medicare	25.0	25.9	27.3	28.4	27.5	28.1
FFS Medicaid	11.9	21.5	16.0	17.7	12.2	11.1
Private	14.1	18.0	14.9	12.9	19.7	24.7

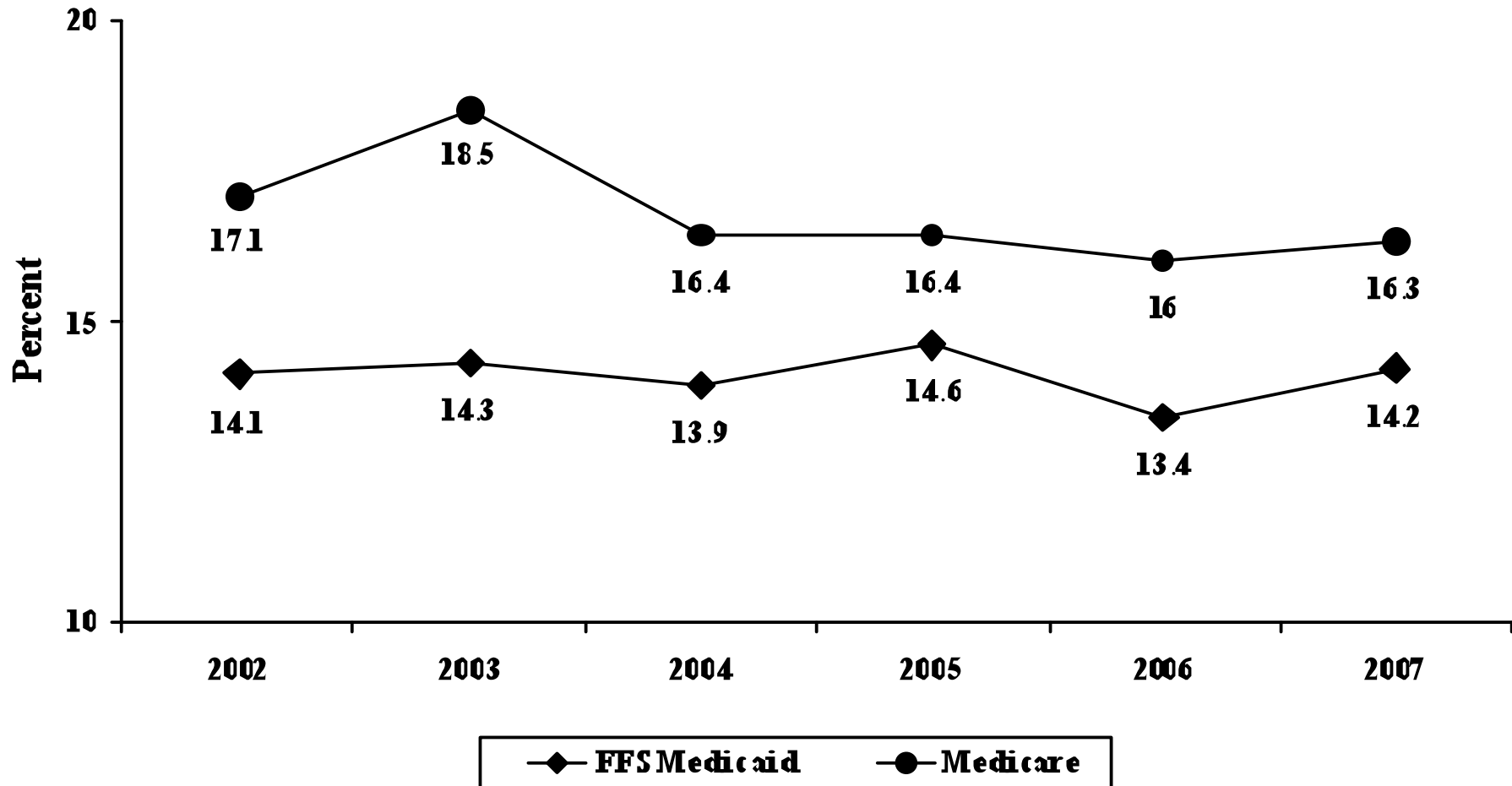
Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2002-2007, RI Department of Health

**Figure 1-1**  
**Percent of Hospitalizations with Primary Diagnosis of Mental Disorder**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2002-2007, RI Department of Health

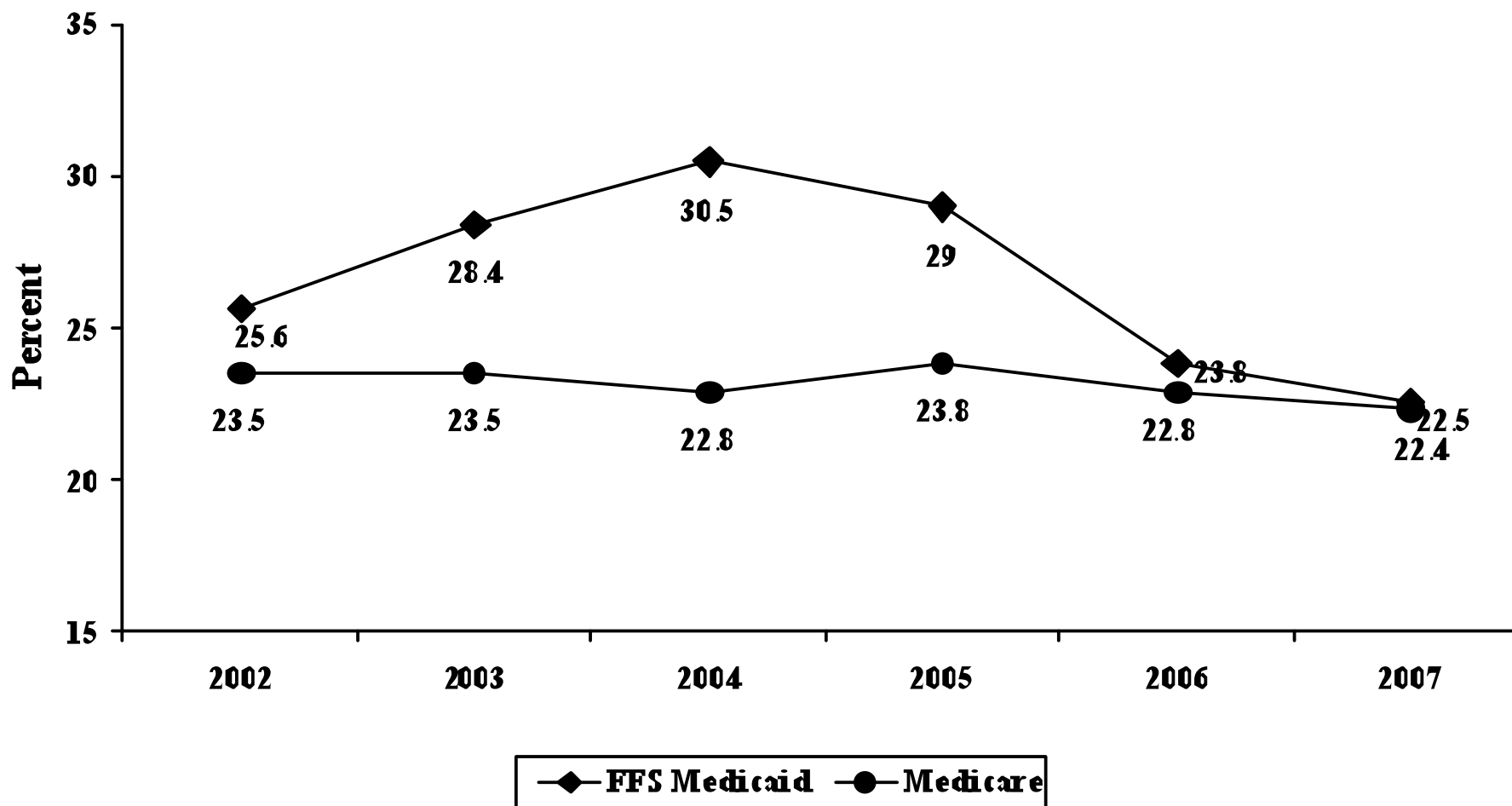
**Figure 1-2**  
**Percent of Hospitalizations for Ambulatory Care Sensitive Conditions**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data 2002-2007, RI Department of Health

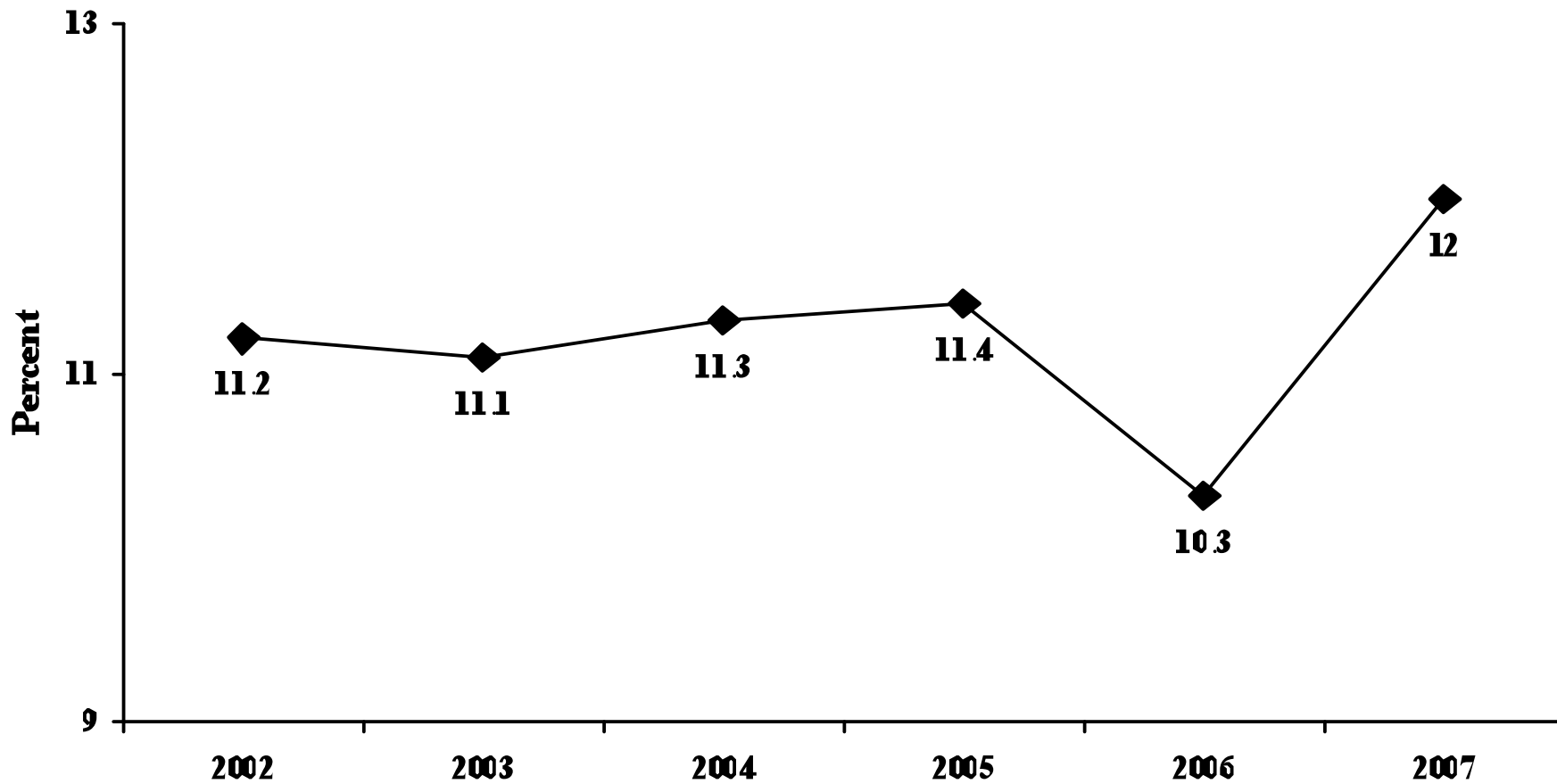


**Figure 1-3**  
**Percent of Hospitalizations for Ambulatory Care Sensitive Conditions**  
**Ages  $\geq 65$  by Health Insurance Coverage**



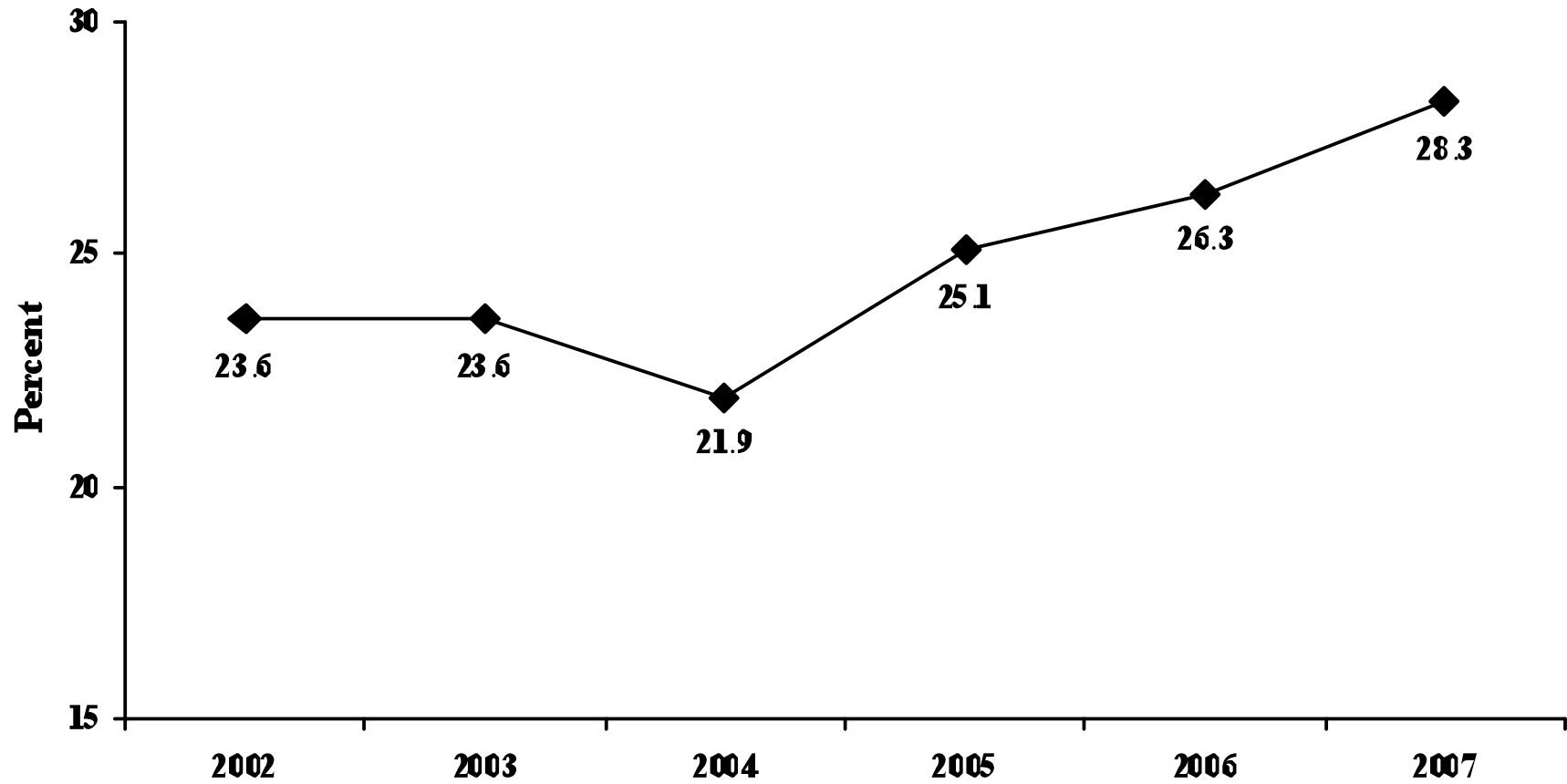
Data Source: Medicaid Data Archive, RI Hospital Discharge Data 2002-2007, RI Department of Health

**Figure 1-4**  
**Percent of Medicaid Hospitalizations Ages 18-64**  
**Discharged Home with Home Health Agency Services**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2002-2007, RI Department of Health

**Figure 1-5**  
**Percent of Medicaid Hospitalizations Ages  $\geq 65$**   
**Discharged Home with Home Health Agency Services**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2002-2007, RI Department of Health

## Section 2: Prevention Quality Indicators (“Avoidable” Hospitalizations) from the Rhode Island Hospital Discharge Data Set

## **DEFINITION OF PREVENTION QUALITY INDICATORS (PQIs)**

PQIs are a set of measures designed by the Agency for Health Care Research and Quality (AHRQ) that can be used with hospital inpatient discharge data to identify “ambulatory care sensitive conditions (ACSCs)” or “avoidable” hospitalizations.

ACSCs are conditions for which good outpatient care can potentially prevent the need for hospitalization, or for which early intervention can prevent complication or more severe disease.

**LIST OF PREVENTION QUALITY INDICATORS (PQIs)  
FROM RHODE ISLAND HOSPITAL DISCHARGE DATA SET**

<b>Indicator #</b>	<b>Health Indicator</b>	<b>Years Available</b>	<b>Data Set</b>	<b>Page #</b>
1	Rate of Overall PQI Hospitalizations	2005-2007	Hospital Discharge Data Set	23
2	Rate of Acute PQI Hospitalizations	2005-2007	Hospital Discharge Data Set	23
3	Rate of Chronic PQI Hospitalizations	2005-2007	Hospital Discharge Data Set	23
4	Rate of Diabetes Hospitalizations for Short Term Complications	2005-2007	Hospital Discharge Data Set	24
5	Rate of Diabetes Hospitalizations for Long Term Complications	2005-2007	Hospital Discharge Data Set	24
6	Rate of Chronic Obstructive Pulmonary Disease (COPD) Hospitalizations	2005-2007	Hospital Discharge Data Set	24
7	Rate of Hypertension Hospitalizations	2005-2007	Hospital Discharge Data Set	25
8	Rate of Congestive Heart Disease (CHF) Hospitalizations	2005-2007	Hospital Discharge Data Set	25
9	Rate of Dehydration Hospitalizations	2005-2007	Hospital Discharge Data Set	25
10	Rate of Bacterial Pneumonia Hospitalizations	2005-2007	Hospital Discharge Data Set	26
11	Rate of Urinary Tract Infections (UTI) Hospitalizations	2005-2007	Hospital Discharge Data Set	26
12	Rate of Angina Hospitalizations	2005-2007	Hospital Discharge Data Set	26
13	Rate of Asthma Hospitalizations	2005-2007	Hospital Discharge Data Set	27

**Table 2: Prevention Quality Indicators (PQI) (“Avoidable” Hospitalizations)  
Rates per 100,000 For Rhode Islanders Age >18 by Health Insurance Coverage**

	2005	2006	2007
<b>1) Rate of Overall PQI Hospitalizations</b>			
Medicare	8,493.8	7,812.8	6,982.3
FFS Medicaid	2,312.6	2,151.7	2,088.3
Private	402.4	405.5	507.7
<b>2) Rate of Acute* PQI Hospitalizations</b>			
Medicare	3,587.6	3,236.2	2,896.8
FFS Medicaid	779.4	689.1	706.7
Private	174.8	175.5	227.2
<b>3) Rate of Chronic** PQI Hospitalizations</b>			
Medicare	4,906.2	4,577.2	4,086.7
FFS Medicaid	1,533.2	1,462.6	1,381.7
Private	227.6	265.9	280.6

\* Acute – Pneumonia, UTI, Dehydration

\*\* Chronic – Diabetes, COPD, CHF, Hypertension, Angina, Asthma

**Table 2: Prevention Quality Indicators (PQI) (“Avoidable” Hospitalizations)  
Rates per 100,000 For Rhode Islanders Age >18 by Health Insurance Coverage**

	2005	2006	2007
<b>4) Rate of Diabetes Hospitalizations for Short Term Complications</b>			
Medicare	71.7	86.6	76.6
FFS Medicaid	168.7	147.5	88.6
Private	17.2	18.5	17.5
<b>5) Rate of Diabetes Hospitalizations for Long Term Complications</b>			
Medicare	470.3	412.7	346.2
FFS Medicaid	256.3	202.3	200.4
Private	29.7	30.8	39.2
<b>6) Rate of Chronic Obstructive Pulmonary Disease Hospitalizations (COPD)</b>			
Medicare	1,065.5	977.2	876.6
FFS Medicaid	341.7	324.6	360.7
Private	37.6	36.1	51.6



**Table 2: Prevention Quality Indicators (PQI) (“Avoidable” Hospitalizations)  
Rates per 100,000 For Rhode Islanders Age >18 by Health Insurance Coverage**

	2005	2006	2007
<b>7) Rate of Hypertension Hospitalizations</b>			
Medicare	87.6	92.6	120.3
FFS Medicaid	49.1	37.9	40.1
Private	9.9	13.6	12.5
<b>8) Rate of Congestive Heart Failure Hospitalizations</b>			
Medicare	2,695.9	2,534.2	2,221.5
FFS Medicaid	333.1	339.3	324.9
Private	61.1	69.5	91.1
<b>9) Rate of Dehydration Hospitalizations</b>			
Medicare	489.0	387.9	361.4
FFS Medicaid	96.1	88.5	99.1
Private	31.1	23.5	33.9

**Table 2: Prevention Quality Indicators (PQI) (“Avoidable” Hospitalizations)  
Rates per 100,000 For Rhode Islanders Age >18 by Health Insurance Coverage**

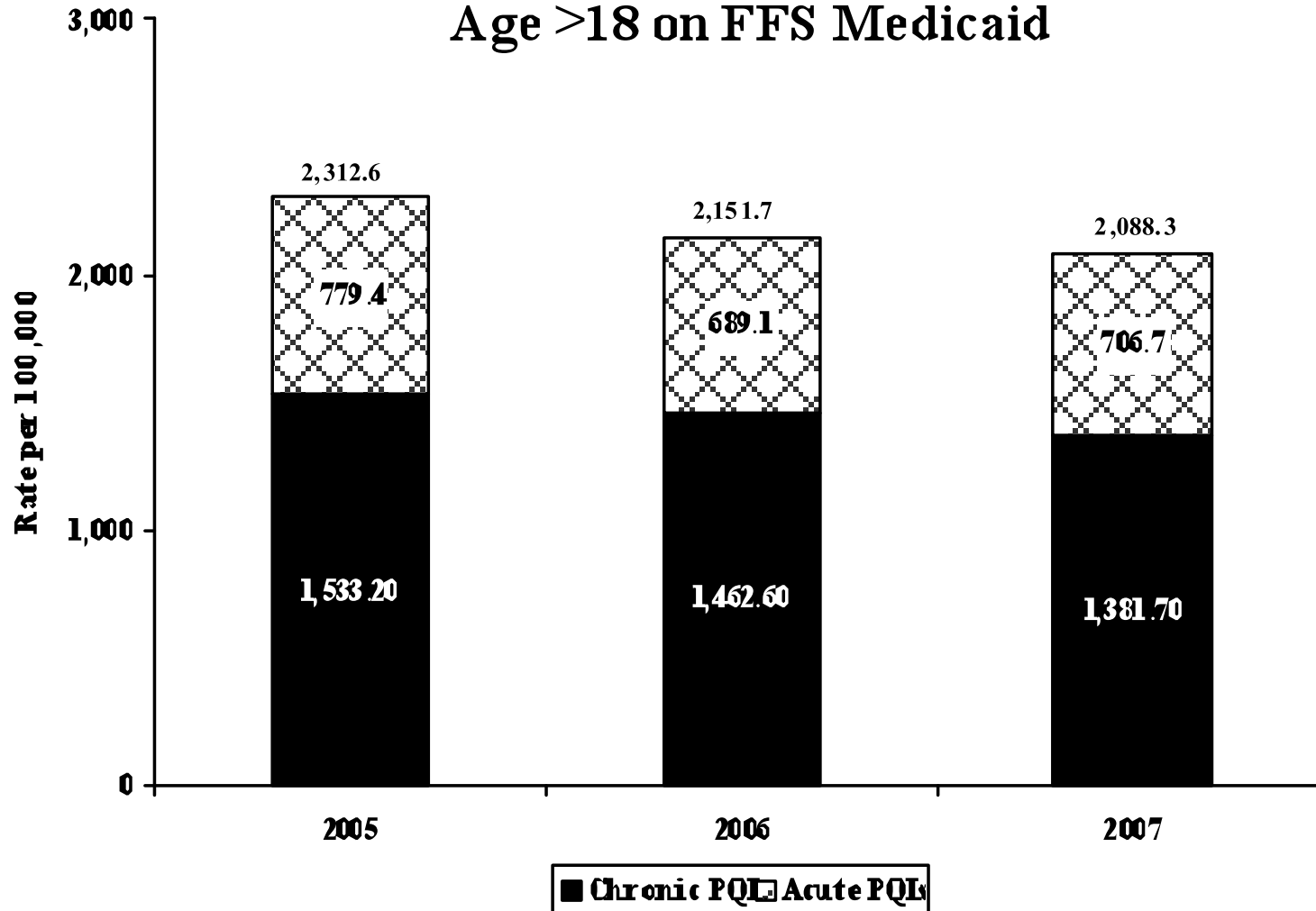
	2005	2006	2007
<b>10) Rate of Bacterial Pneumonia Hospitalizations</b>			
Medicare	2,185.5	1,947.0	1,586.7
FFS Medicaid	503.0	434.1	402.9
Private	101.7	111.2	125.3
<b>11) Rate of Urinary Tract Infection Hospitalizations</b>			
Medicare	913.1	901.3	948.7
FFS Medicaid	179.4	166.5	204.6
Private	42.0	103.2	68.0
<b>12) Rate of Angina Hospitalizations</b>			
Medicare	82.1	64.4	65.2
FFS Medicaid	21.4	25.3	14.8
Private	14.3	10.6	12.2

**Table 2: Prevention Quality Indicators (PQI) (“Avoidable” Hospitalizations)  
Rates per 100,000 For Rhode Islanders Age >18 by Health Insurance Coverage**

	2005	2006	2007
<b>13) Rate of Adult Asthma Hospitalizations</b>			
Medicare	340.0	327.5	296.8
FFS Medicaid	313.9	347.7	314.3
Private	53.6	43.4	48.5

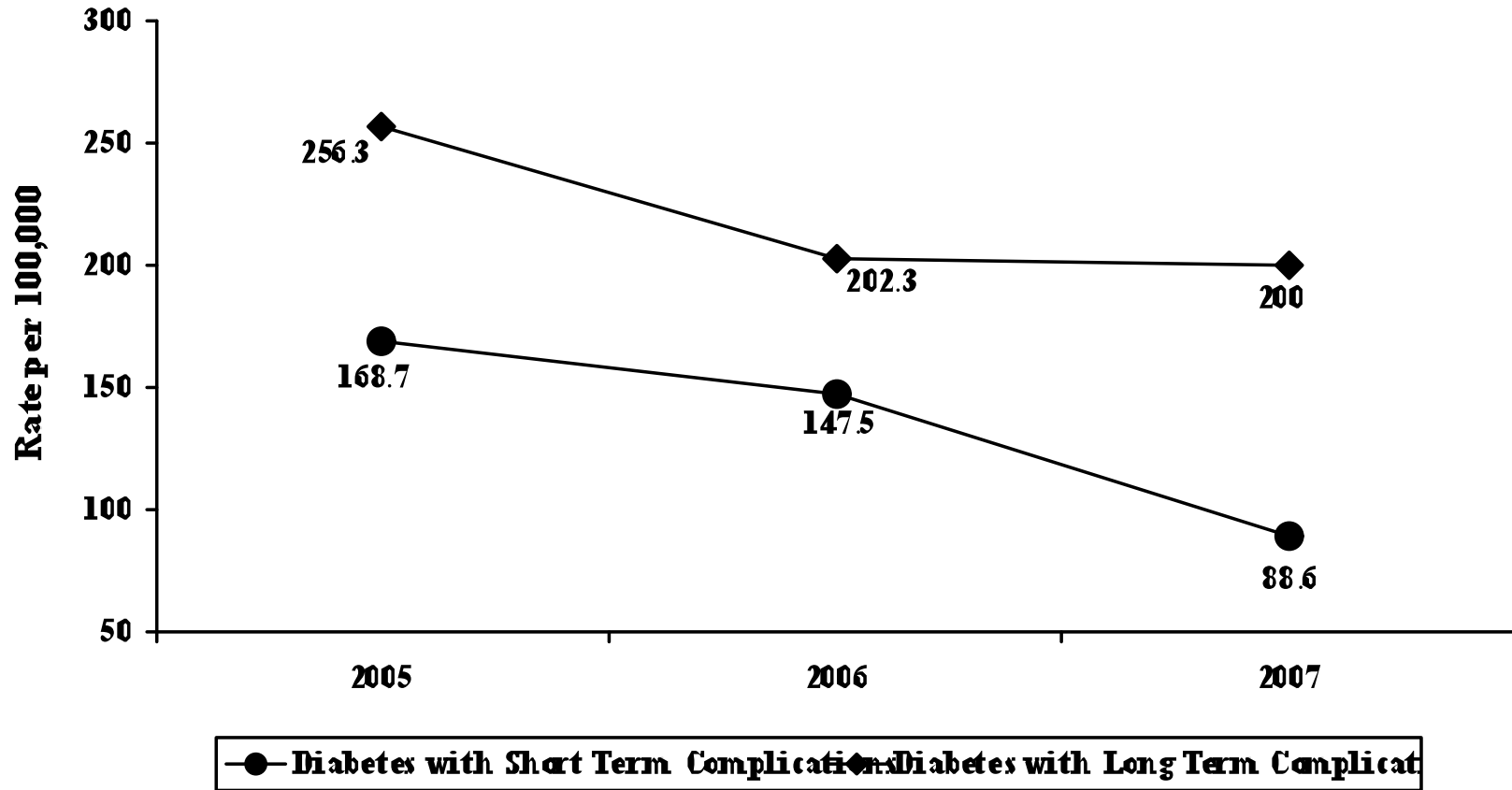
Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2005-2007, RI Department of Health

**Figure 2-1**  
**Rate of PQI Hospitalizations for Rhode Islanders**  
**Age >18 on FFS Medicaid**



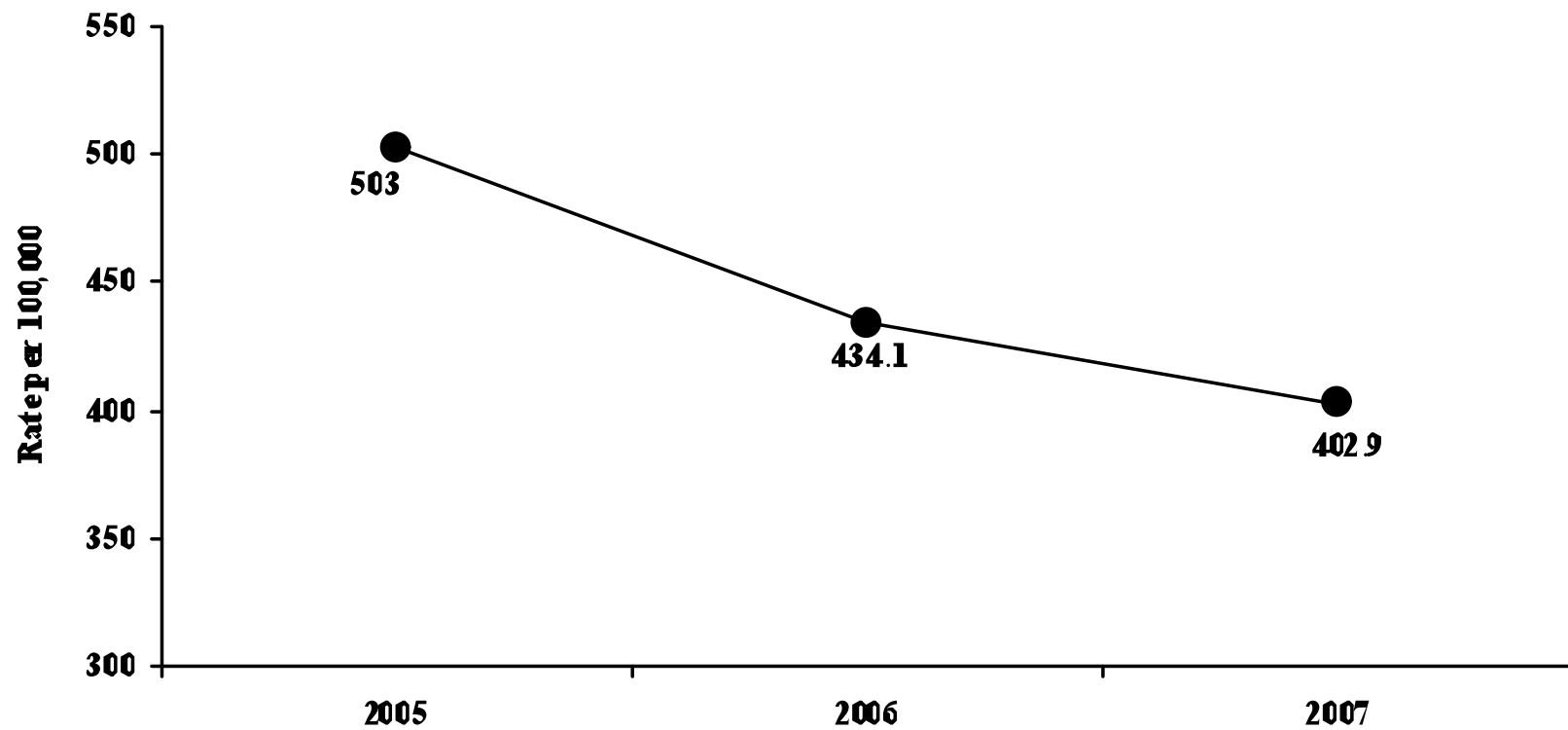
Data Source: Medicaid Data Archive, RI Hospital Discharge DataSet 2005-2007, RI Department of Health

**Figure 2-2**  
**Rate of PQI Diabetes Hospitalizations by Type**  
**for Rhode Islanders Age >18 on FFS Medicaid**



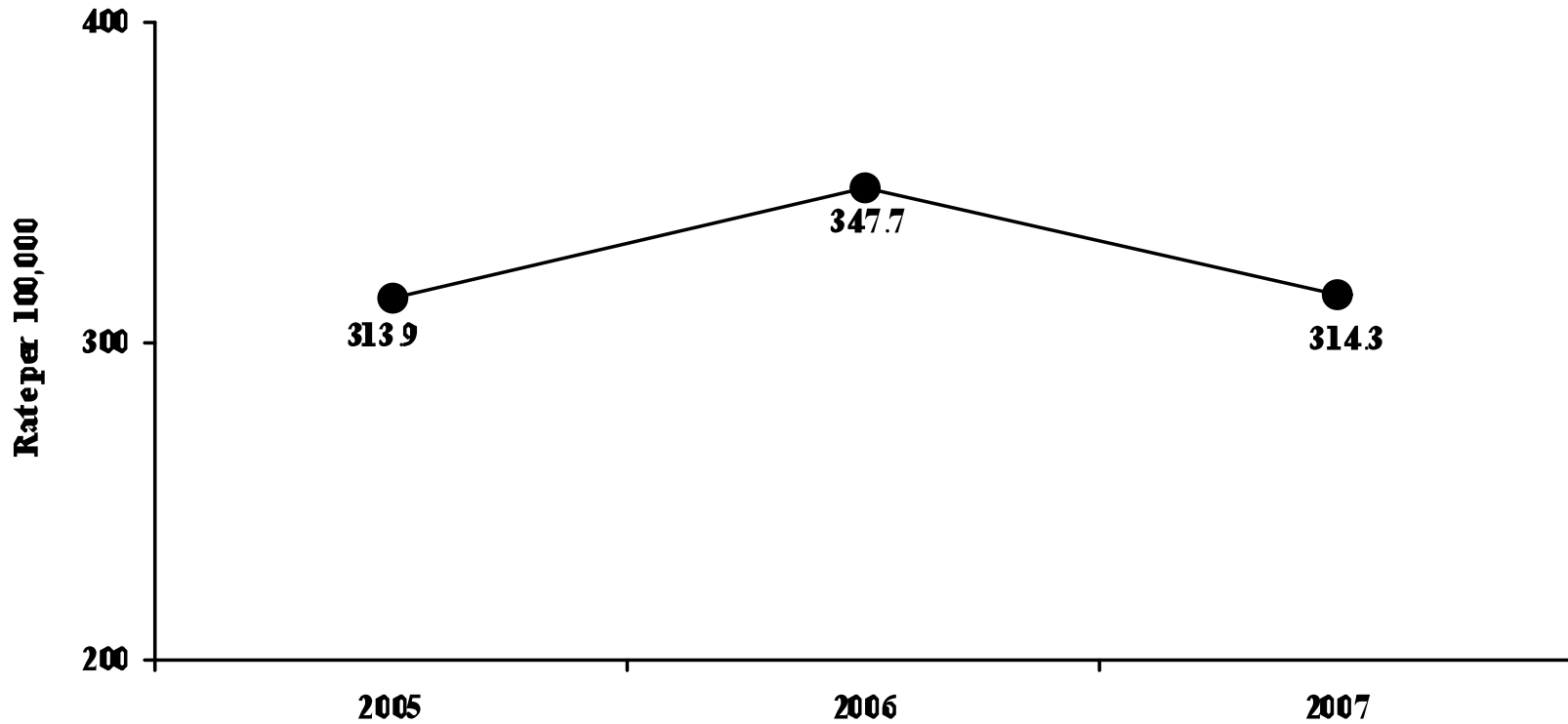
Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2005-2007, RI Department of Health

**Figure 2-3**  
**Rate of PQI Bacterial Pneumonia Hospitalizations**  
**for Rhode Islanders Age >18 on FFS Medicaid**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2005-2007, RI Department of Health

**Figure 2-4**  
**Rate of PQI Asthma Hospitalizations**  
**for Rhode Islanders Age >18 on FFS Medicaid**



Data Source: Medicaid Data Archive, RI Hospital Discharge Data Set 2005-2007, RI Department of Health

## Section 3: Long Term Care Access, Quality and Health Status Indicators from the Behavioral Risk Factor Surveillance System (BRFSS)



**LIST OF LONG TERM CARE ACCESS, QUALITY AND HEALTH STATUS INDICATORS  
FROM RHODE ISLAND BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM**

<b>Indicator #</b>	<b>Health Indicator</b>	<b>Years Available</b>	<b>Data Set</b>	<b>Page #</b>
1	Percent Had Medical Check-up in Past Year	2002-2007	Behavioral Risk Factor Surveillance System	35
2	Percent Couldn't See a Doctor Due to Cost in Past Year	2002-2007	Behavioral Risk Factor Surveillance System	35
3	Percent Had Flu Shot in Past Year	2002-2007	Behavioral Risk Factor Surveillance System	35
4	Percent Ever Had Pneumonia Vaccine	2002-2007	Behavioral Risk Factor Surveillance System	35
5	Percent Have Diabetes	2002-2007	Behavioral Risk Factor Surveillance System	36
6	Percent Have Asthma	2002-2007	Behavioral Risk Factor Surveillance System	36
7	Percent Have Arthritis	2002-2007	Behavioral Risk Factor Surveillance System	36
8	Percent who are Obese	2002-2007	Behavioral Risk Factor Surveillance System	36
9	Percent Limited in Any Way Due to Physical or Emotional Problems	2002-2007	Behavioral Risk Factor Surveillance System	37
10	Percent Have Health Problem That Requires Special Equipment	2002-2007	Behavioral Risk Factor Surveillance System	37
11	Percent with Fair/Poor Health	2002-2007	Behavioral Risk Factor Surveillance System	37

<b>Indicator #</b>	<b>Health Indicator</b>	<b>Years Available</b>	<b>Data Set</b>	<b>Page #</b>
12	Percent Physical Health Not Good >14 Days Per Month	2002-2007	Behavioral Risk Factor Surveillance System	38
13	Percent Mental Health Not Good >14 Days Per Month	2002-2007	Behavioral Risk Factor Surveillance System	38
14	Average Days Per Month Physical Health Not Good	2002-2007	Behavioral Risk Factor Surveillance System	38
15	Average Days Per Month Mental Health Not Good	2002-2007	Behavioral Risk Factor Surveillance System	38
16	Percent Who Smoke Cigarettes	2002-2007	Behavioral Risk Factor Surveillance System	39
17	Percent Who Exercised in Past Month	2002-2007	Behavioral Risk Factor Surveillance System	39

Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System 2002-2007, RI Department of Health

**Table 3: Access, Quality, and Health Status Indicators for Rhode Islanders ages 18-64 by Health Insurance Coverage**

	2002-2003	2004-2005	2006-2007
<b>1) Percent Had Medical Check-up in Past Year</b>			
Medicare	93.1	81.9	90.2
FFS Medicaid	84.7	89.9	80.5
Private	79.0	80.3	80.4
<b>2) Percent Couldn't See a Doctor Due to Cost in Past Year</b>			
Medicare	11.3	15.5	22.0
FFS Medicaid	9.3	15.8	14.2
Private	5.4	5.2	5.2
<b>3) Percent Had Flu Shot in Past Year</b>			
Medicare	43.8	39.4	45.3
FFS Medicaid	31.6	34.4	38.5
Private	30.6	25.5	33.8
<b>4) Percent Ever Had Pneumonia Vaccine</b>			
Medicare	36.3	28.4	26.1
FFS Medicaid	20.3	28.3	30.2
Private	13.5	13.2	12.4

**Table 3: Access, Quality, and Health Status Indicators for Rhode Islanders ages 18-64 by Health Insurance Coverage**

	2002-2003	2004-2005	2006-2007
<b>5) Percent Have Diabetes</b>			
Medicare	13.6	10.0	17.1
FFS Medicaid	10.6	12.6	11.6
Private	3.1	4.3	4.7
<b>6) Percent Have Asthma</b>			
Medicare	21.1	21.0	22.4
FFS Medicaid	23.0	27.8	28.1
Private	14.4	14.6	15.5
<b>7) Percent Have Arthritis</b>			
Medicare	42.1	42.0	49.8
FFS Medicaid	32.7	34.3	41.8
Private	22.0	21.6	22.7
<b>8) Percent who are Obese</b>			
Medicare	43.0	25.5	33.6
FFS Medicaid	30.9	36.7	32.5
Private	18.7	19.5	21.4

**Table 3: Access, Quality, and Health Status Indicators for Rhode Islanders ages 18-64 by Health Insurance Coverage**

	2002-2003	2004-2005	2006-2007
<b>9) Percent Limited in Any Way Due to Physical or Emotional Problems</b>			
Medicare	56.9	52.7	54.9
FFS Medicaid	41.3	49.3	58.8
Private	12.2	11.6	14.3
<b>10) Percent Have Health Problem That Requires Special Equipment</b>			
Medicare	21.9	17.6	21.2
FFS Medicaid	15.0	14.5	23.4
Private	2.1	2.1	3.0
<b>11) Percent with Fair/Poor Health</b>			
Medicare	45.5	49.7	43.2
FFS Medicaid	39.4	41.4	42.1
Private	6.8	5.9	7.4

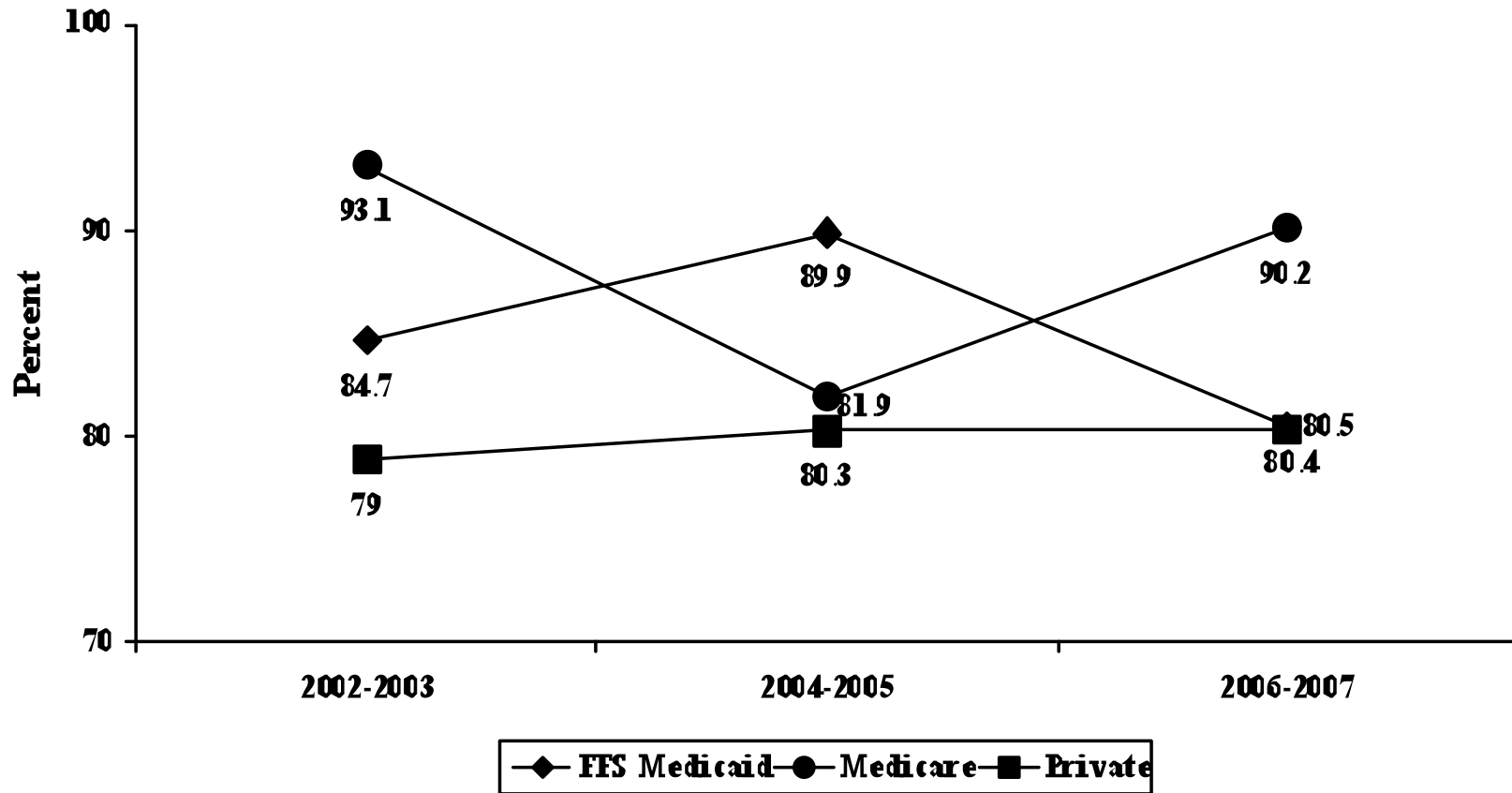
**Table 3: Access, Quality, and Health Status Indicators for Rhode Islanders ages 18-64 by Health Insurance Coverage**

	2002-2003	2004-2005	2006-2007
<b>12) Percent Physical Health Not Good &gt;14 Days Per Month</b>			
Medicare	33.0	34.6	34.0
FFS Medicaid	34.1	30.1	39.2
Private	6.7	7.3	7.7
<b>13) Percent Mental Health Not Good &gt;14 Days Per Month</b>			
Medicare	27.5	24.0	23.9
FFS Medicaid	30.0	32.3	31.6
Private	8.0	8.2	9.0
<b>14) Average Days Per Month Physical Health Not Good</b>			
Medicare	17.1	16.8	17.1
FFS Medicaid	16.8	16.9	16.9
Private	7.8	7.6	8.2
<b>15) Average Days Per Month Mental Health Not Good</b>			
Medicare	15.6	13.8	14.7
FFS Medicaid	15.9	16.6	17.0
Private	8.6	8.3	8.9

**Table 3: Access, Quality, and Health Status Indicators for Rhode Islanders ages 18-64 by Health Insurance Coverage**

	2002-2003	2004-2005	2006-2007
<b>16) Percent Who Smoke Cigarettes</b>			
Medicare	34.5	31.1	26.2
FFS Medicaid	42.3	34.2	43.1
Private	31.3	19.7	17.0
<b>17) Percent Who Exercised in Past Month</b>			
Medicare	45.9	55.5	63.1
FFS Medicaid	57.7	51.0	54.3
Private	82.0	81.8	81.9

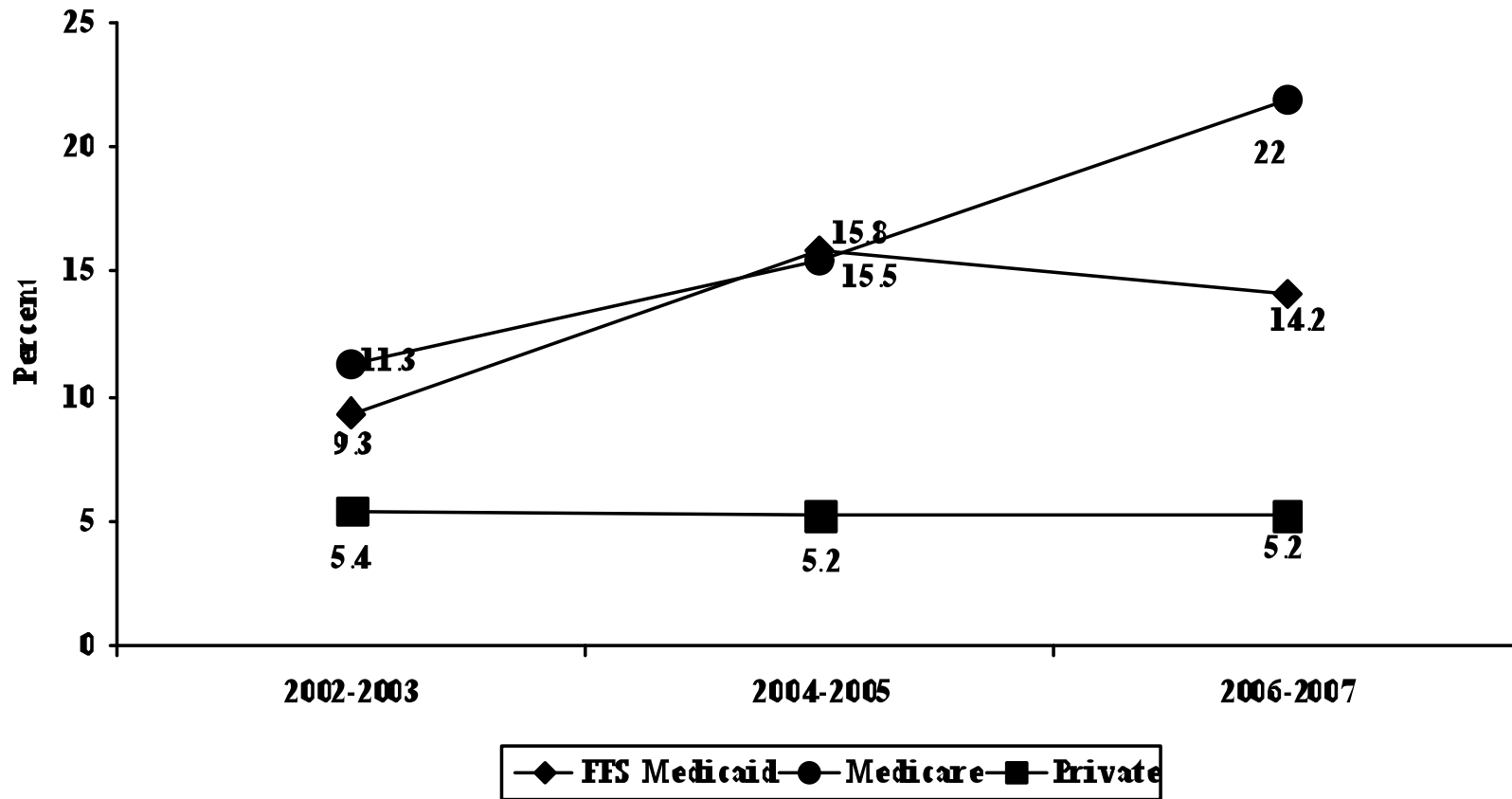
**Figure 3-1**  
**Percent Had Medical Check-up in Past Year**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

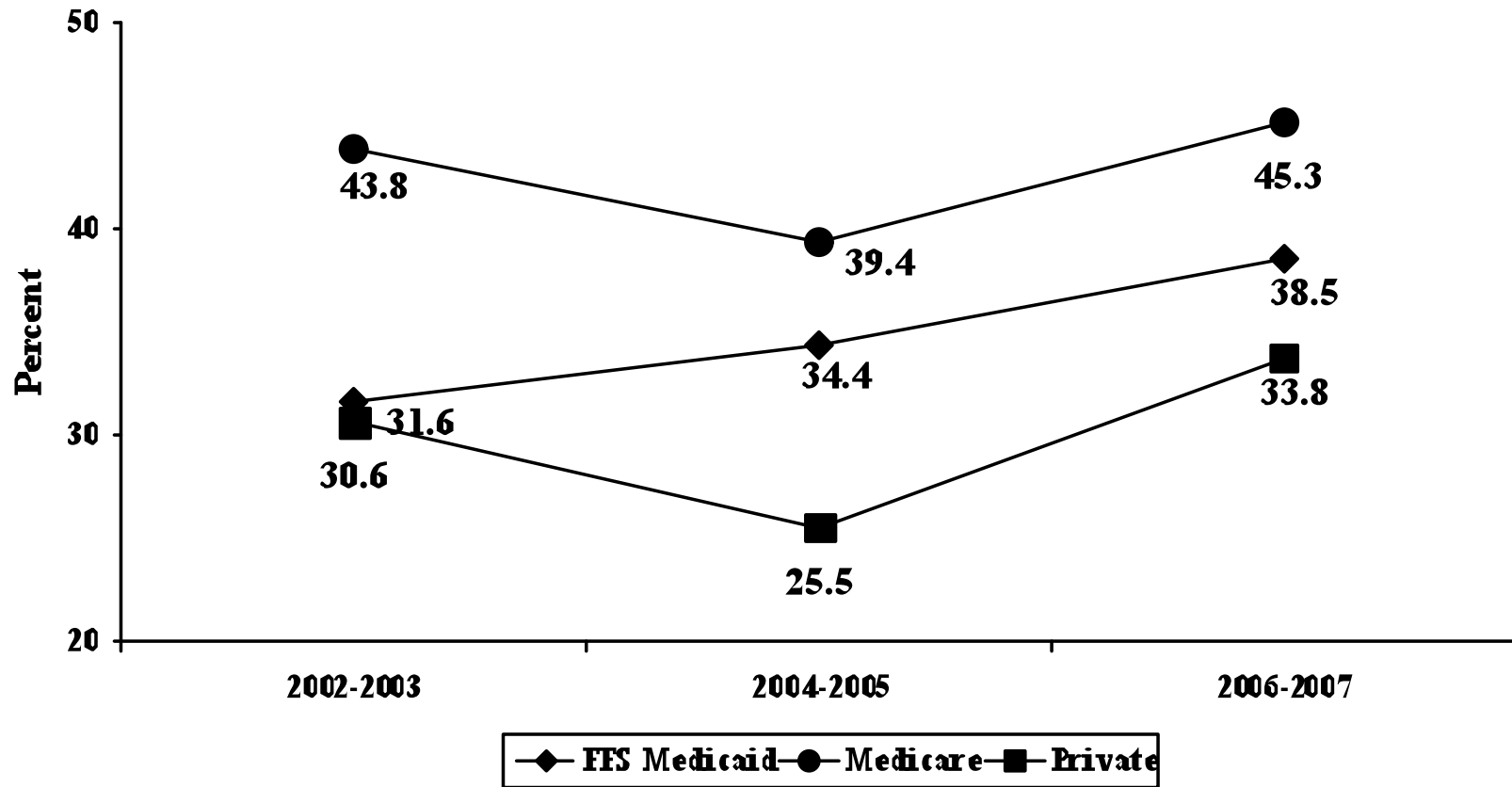


**Figure 3-2**  
**Percent Couldn't See a Doctor Due to Cost in Past Year**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

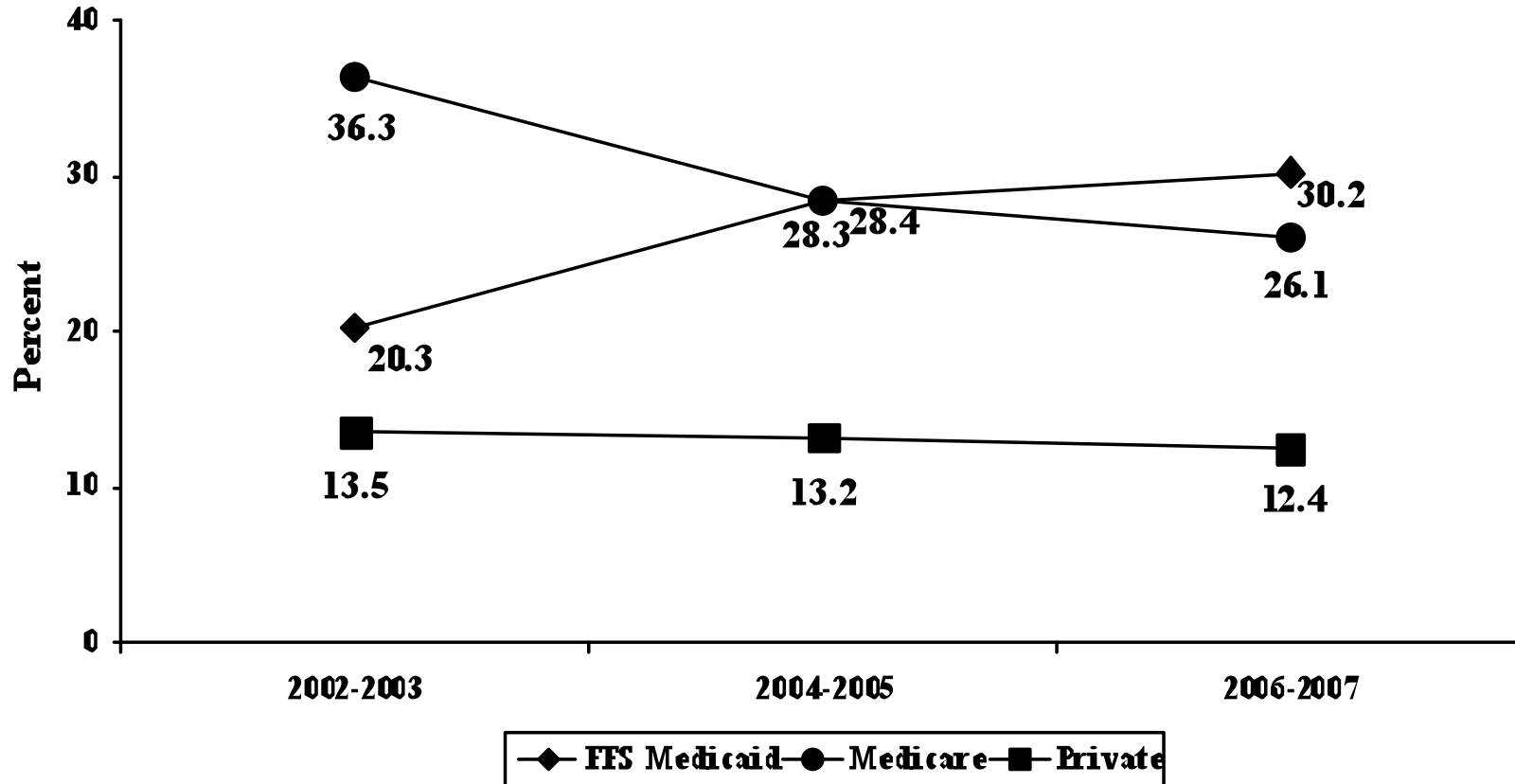
**Figure 3-3**  
**Percent Had Flu Shot in Past Year**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health



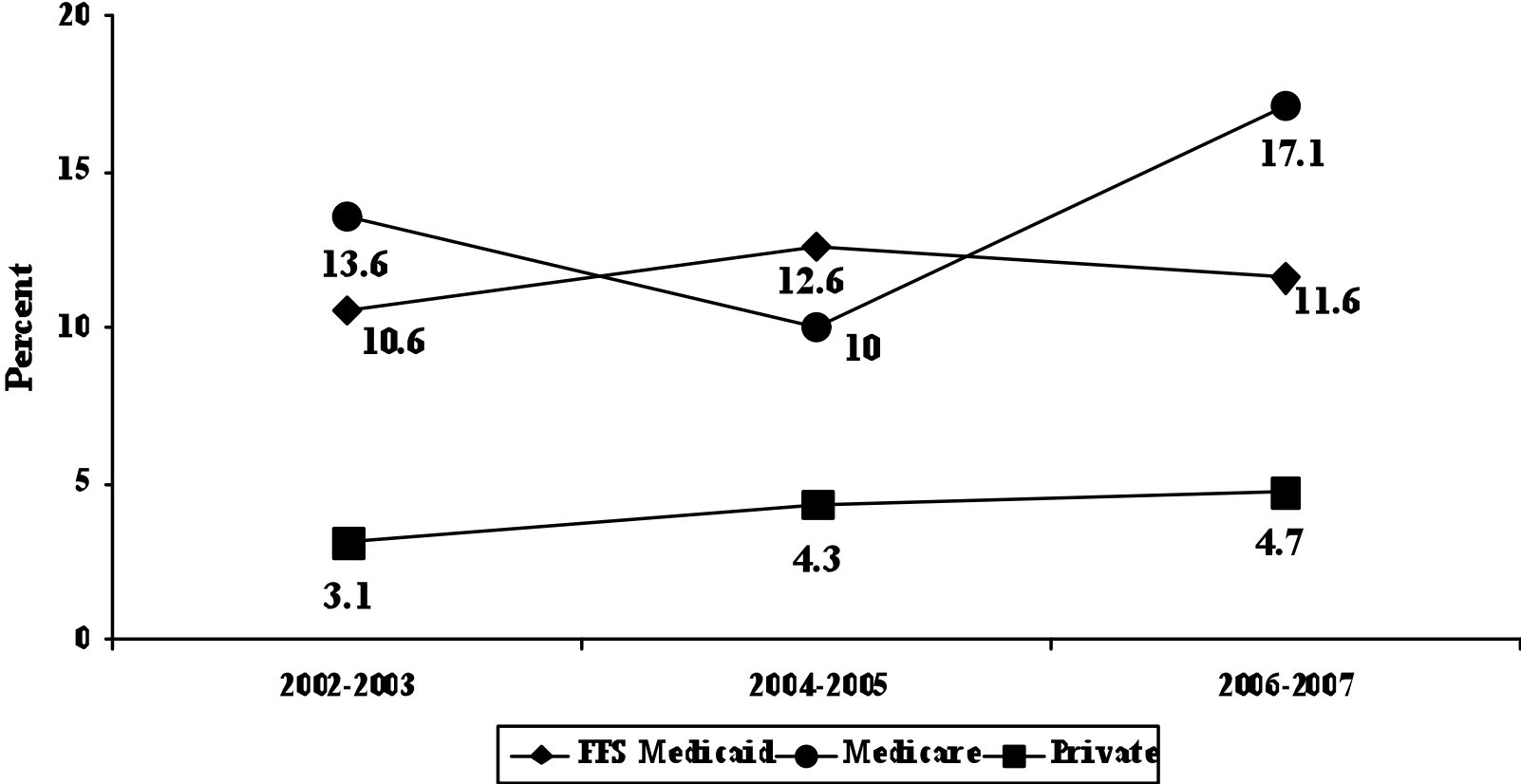
**Figure 3-4**  
**Percent Ever Had Pneumonia Vaccine**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RID department of Health

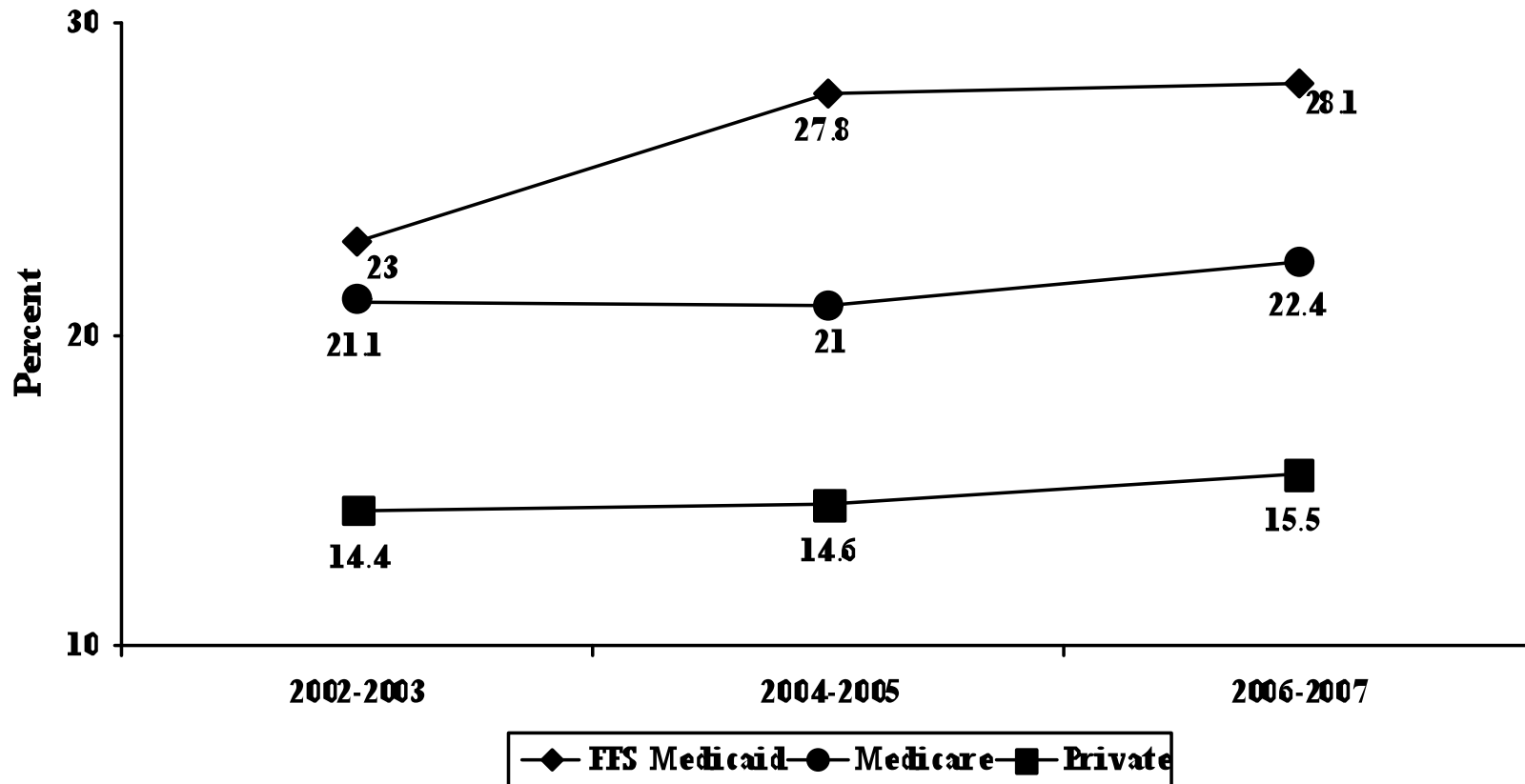


**Figure 3-5**  
**Percent Have Diabetes**  
**Ages 18-64 by Health Insurance Coverage**



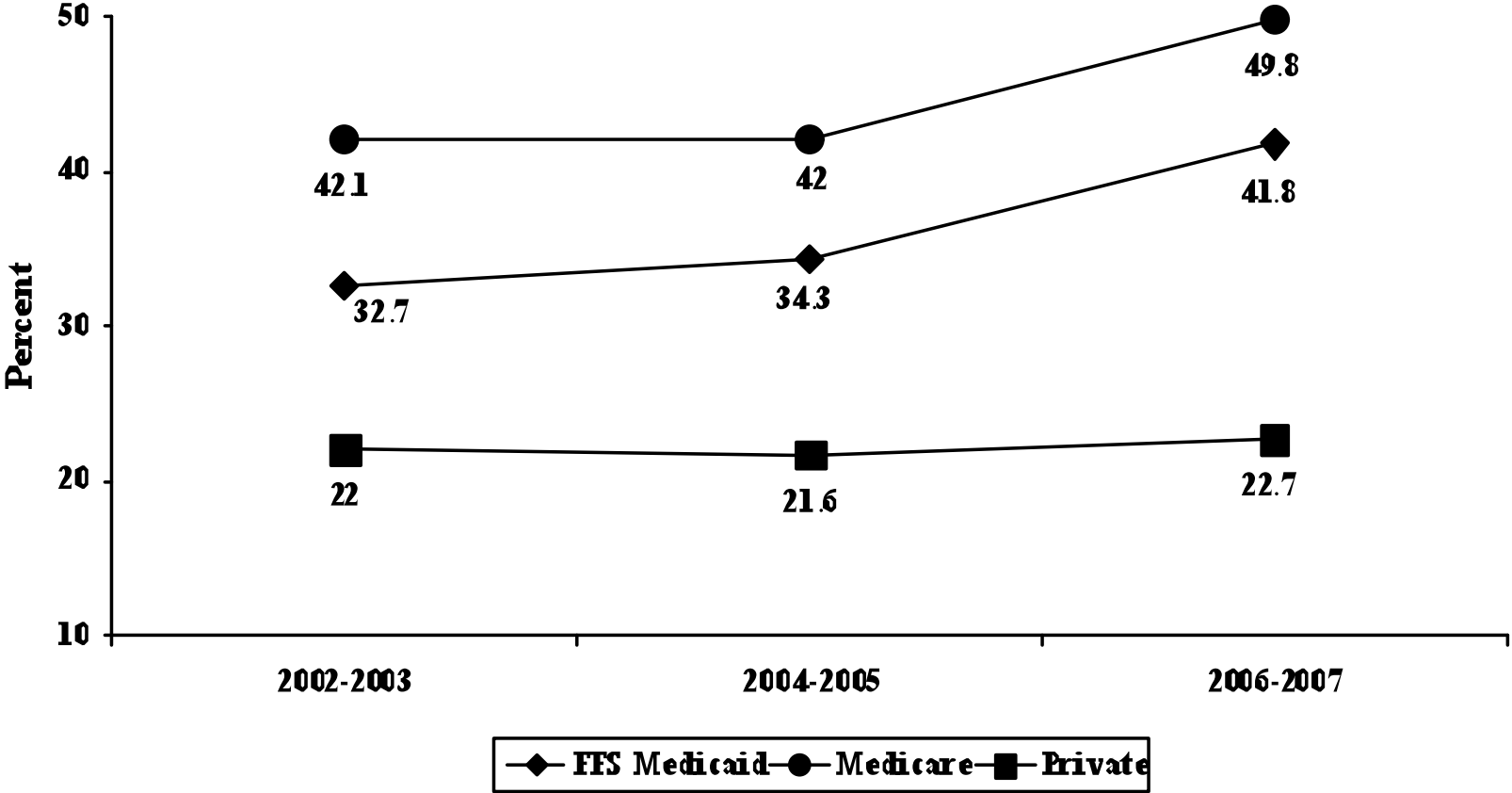
Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

**Figure 3-6**  
**Percent Have Asthma**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

**Figure 3-7**  
**Percent Have Arthritis**  
**Ages 18-64 by Health Insurance Coverage**

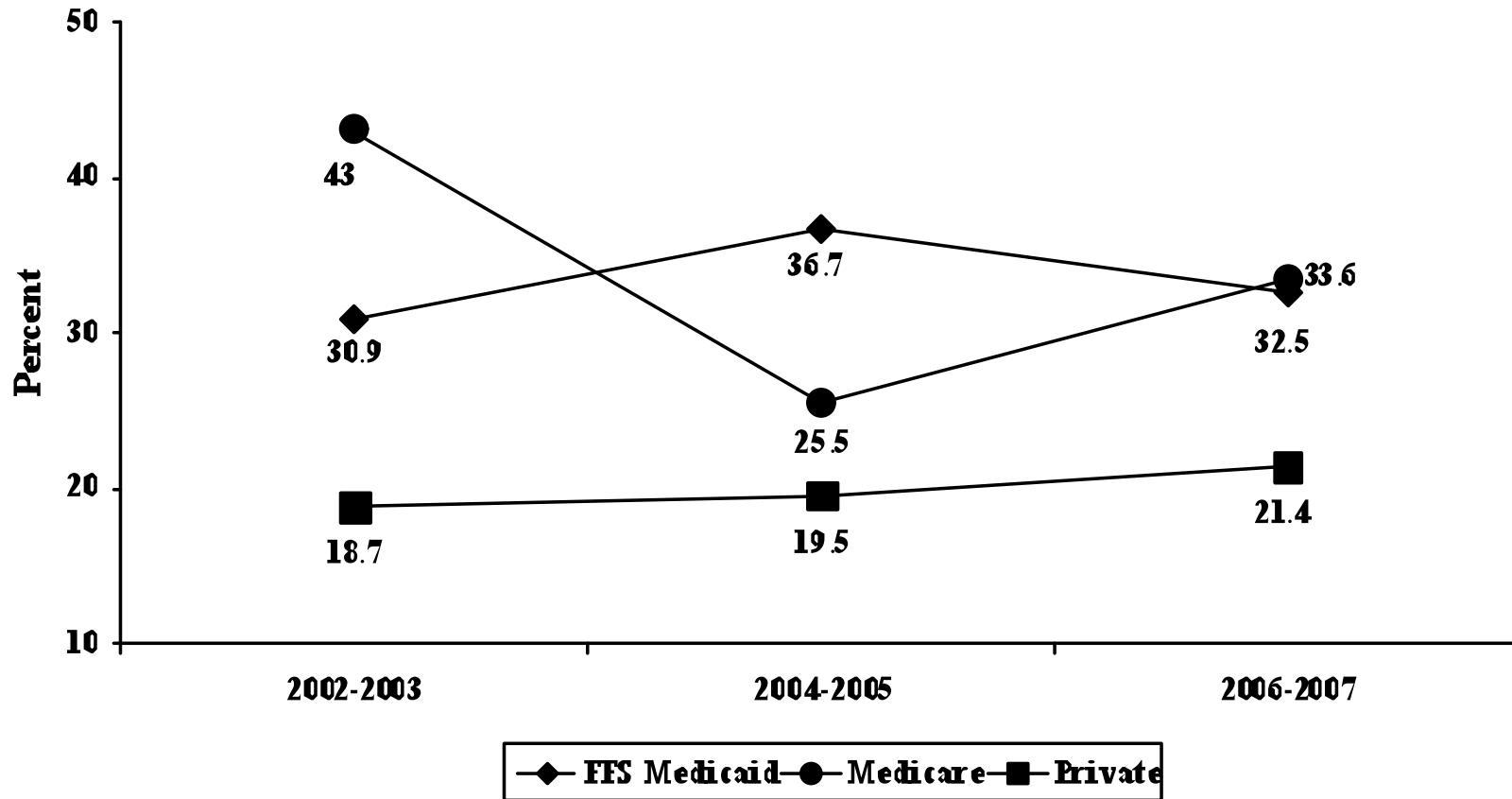


Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health



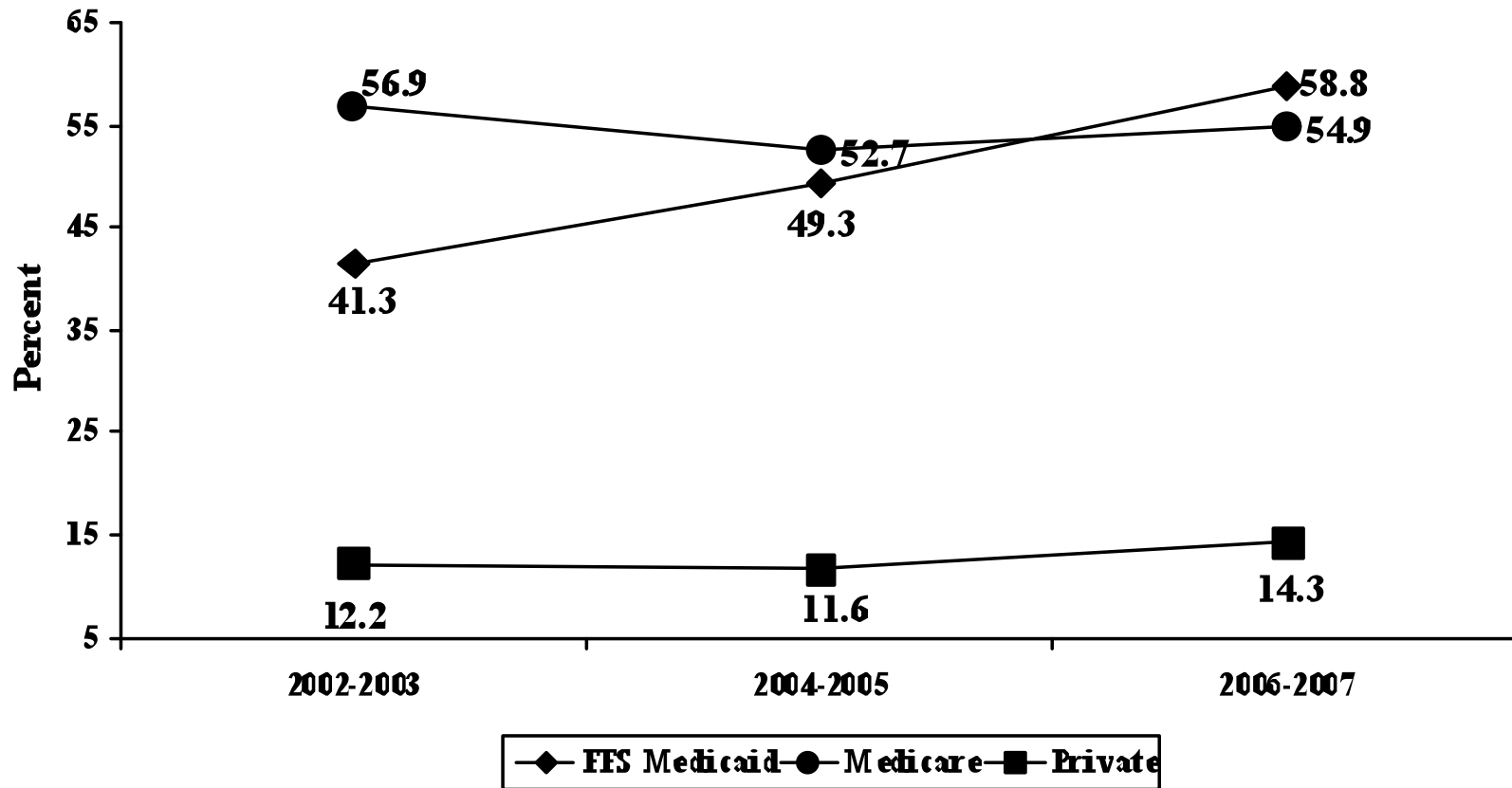


**Figure 3-8**  
**Percent Who Are Obese**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

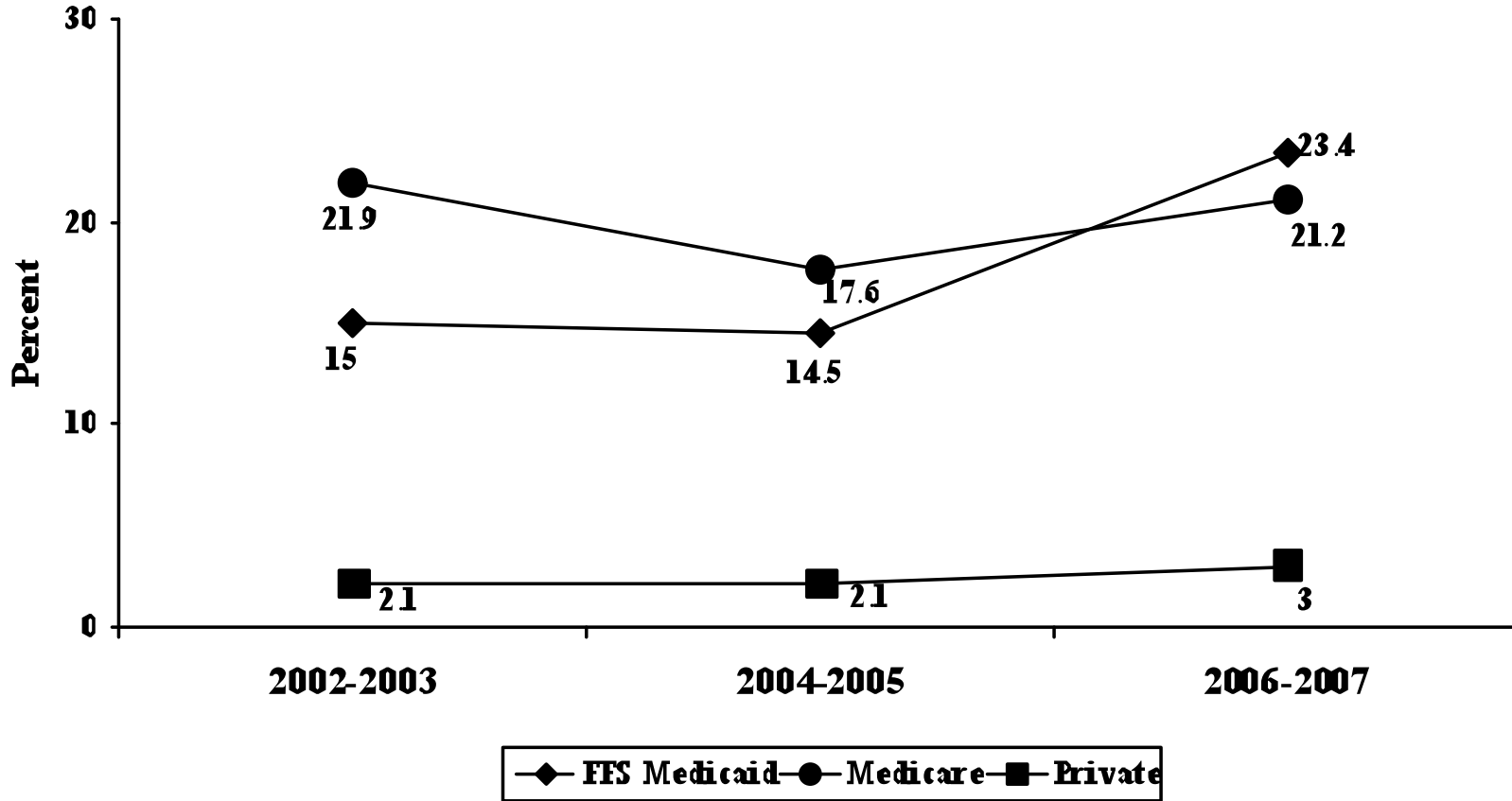
**Figure 3-9**  
**Percent Limited in Any Way Due to Physical or Emotional Problems**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health



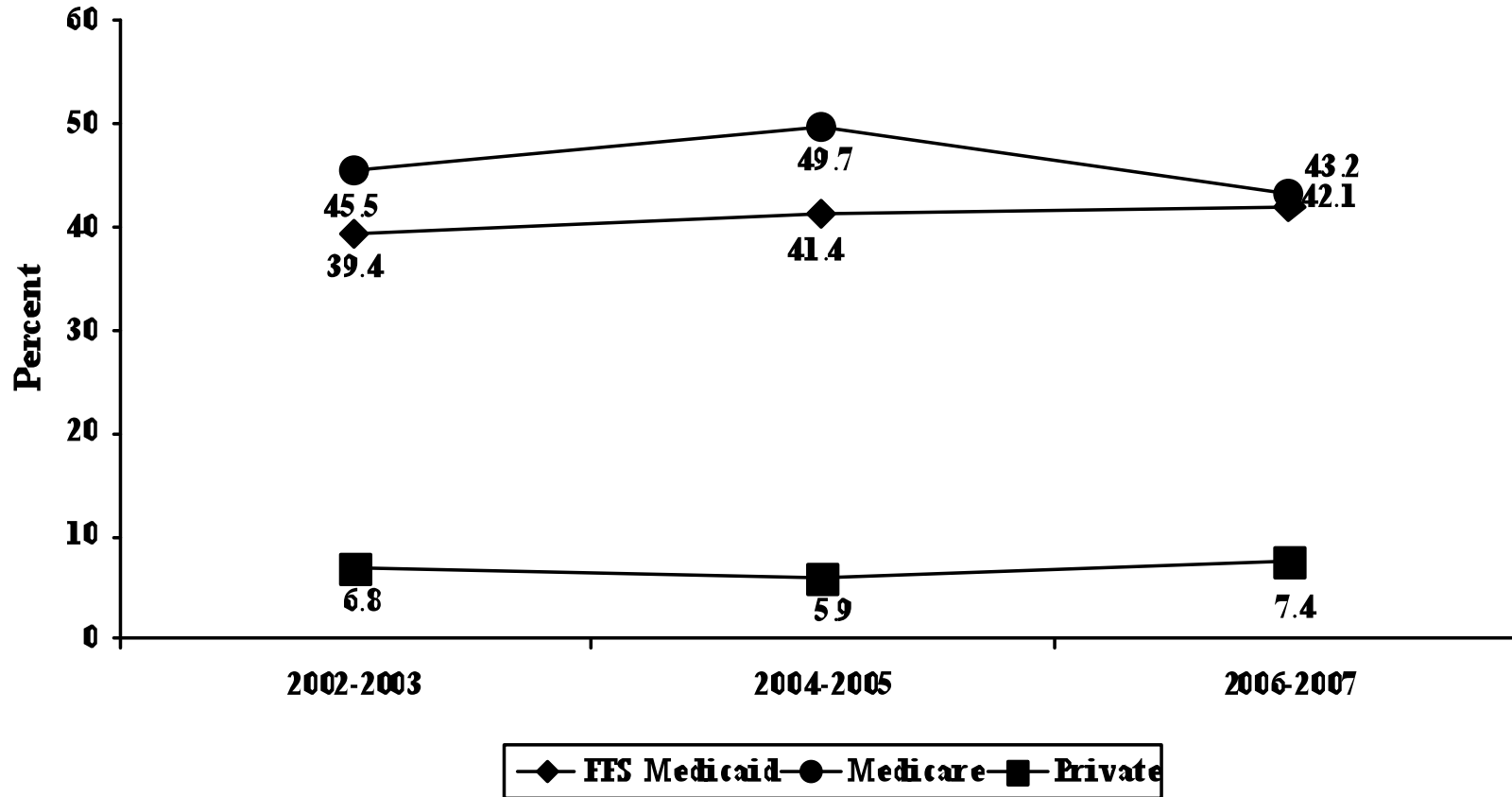
**Figure 3-10**  
**Percent Have Health Problem That Requires Special Equipment**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

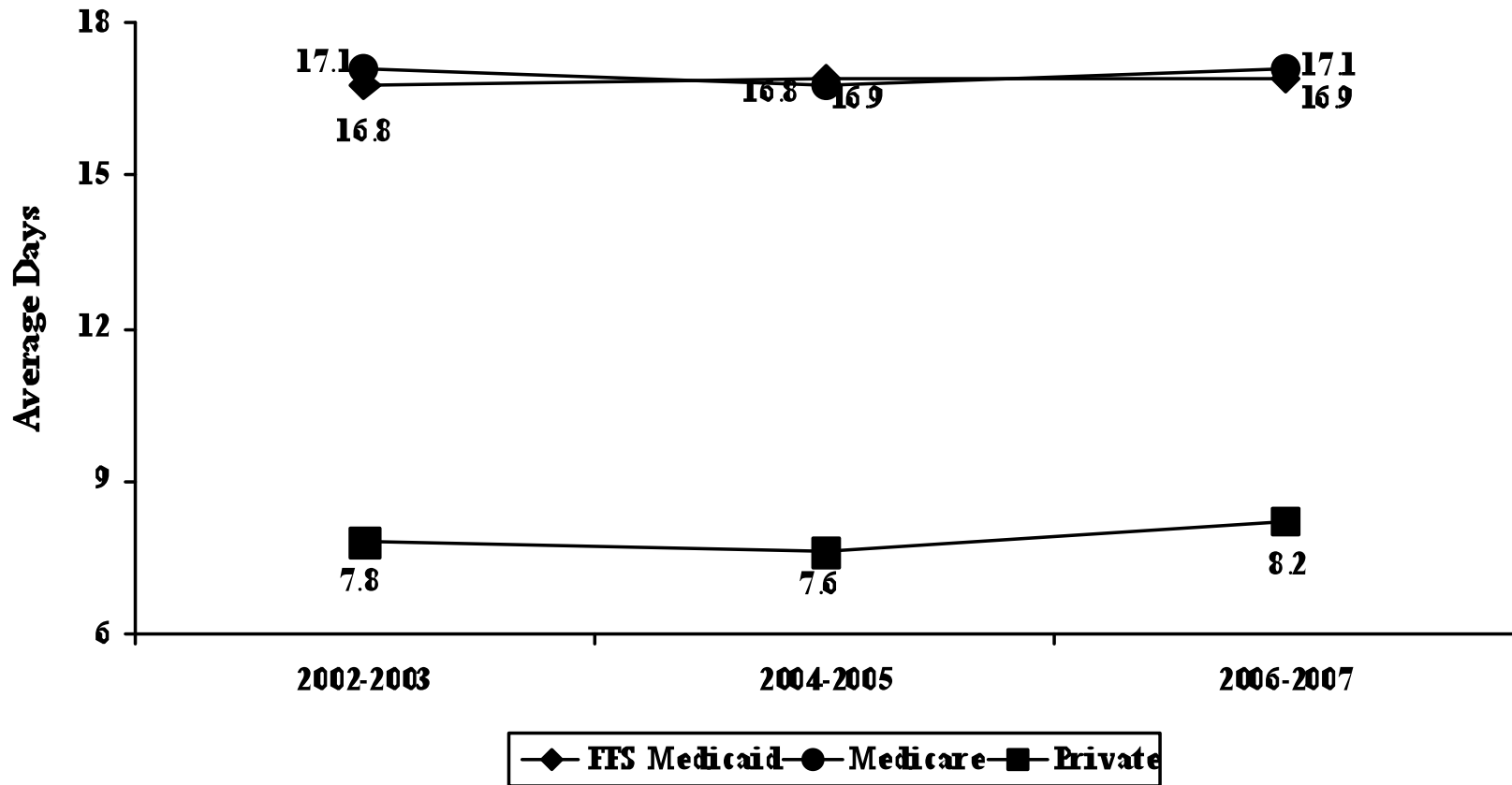


**Figure 3-11**  
**Percent With Fair/Poor Health**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

**Figure 3-12**  
**Average Days Per Month Physical Health Not Good**  
**Ages 18-64 by Health Insurance Coverage**

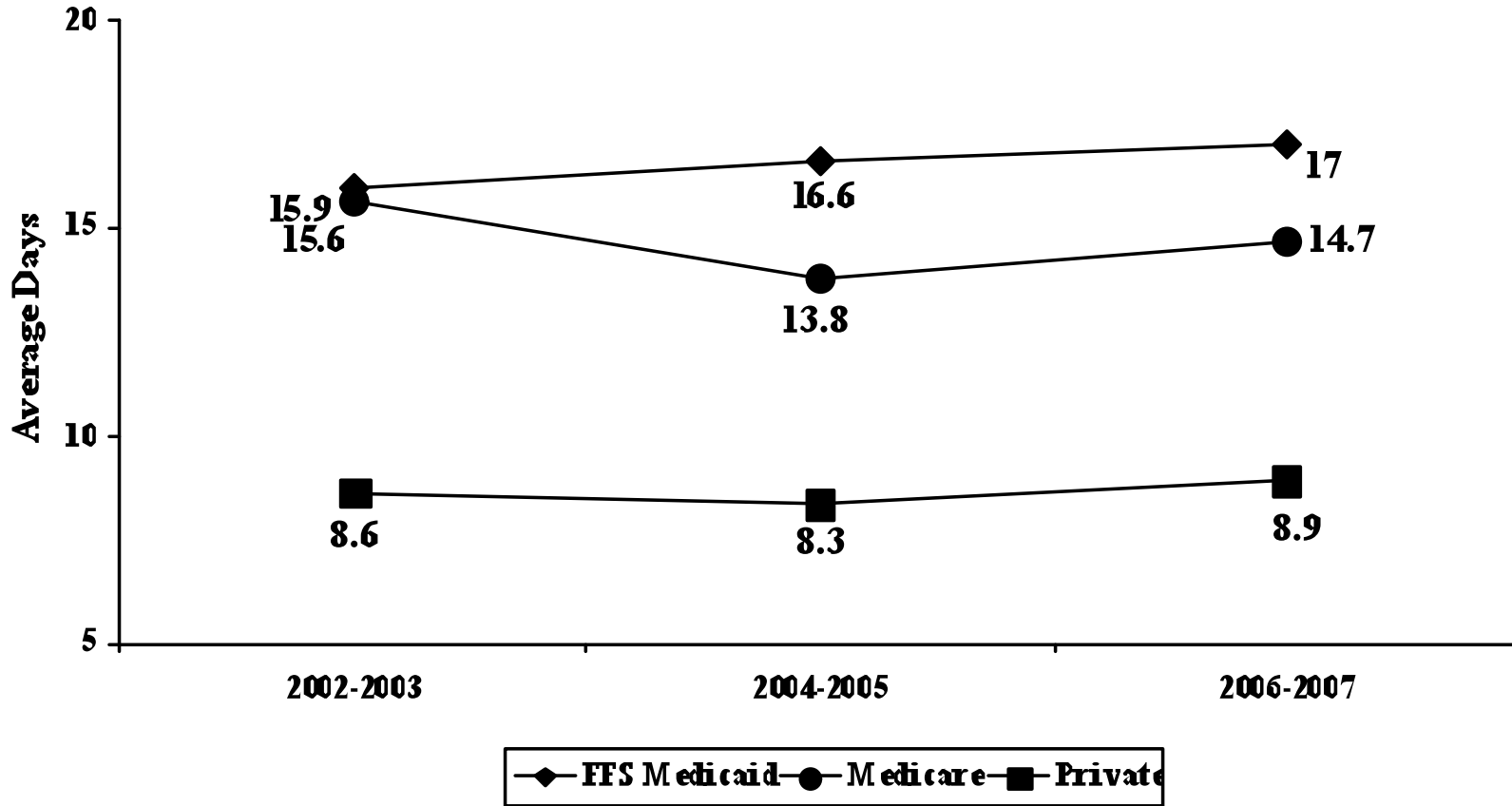


Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health



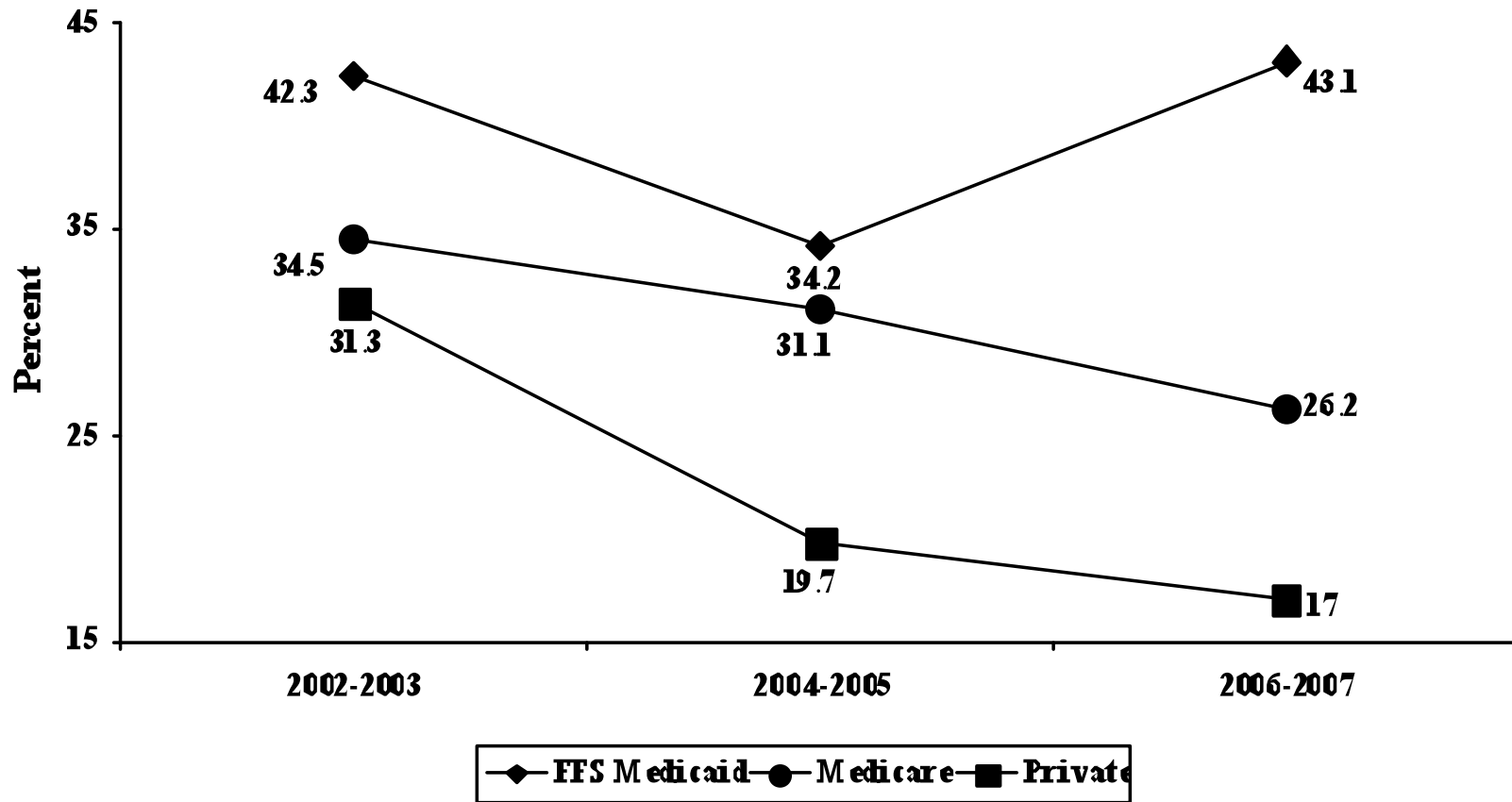


**Figure 3-13**  
**Average Days Per Month Mental Health Not Good**  
**Ages 18-64 by Health Insurance Coverage**



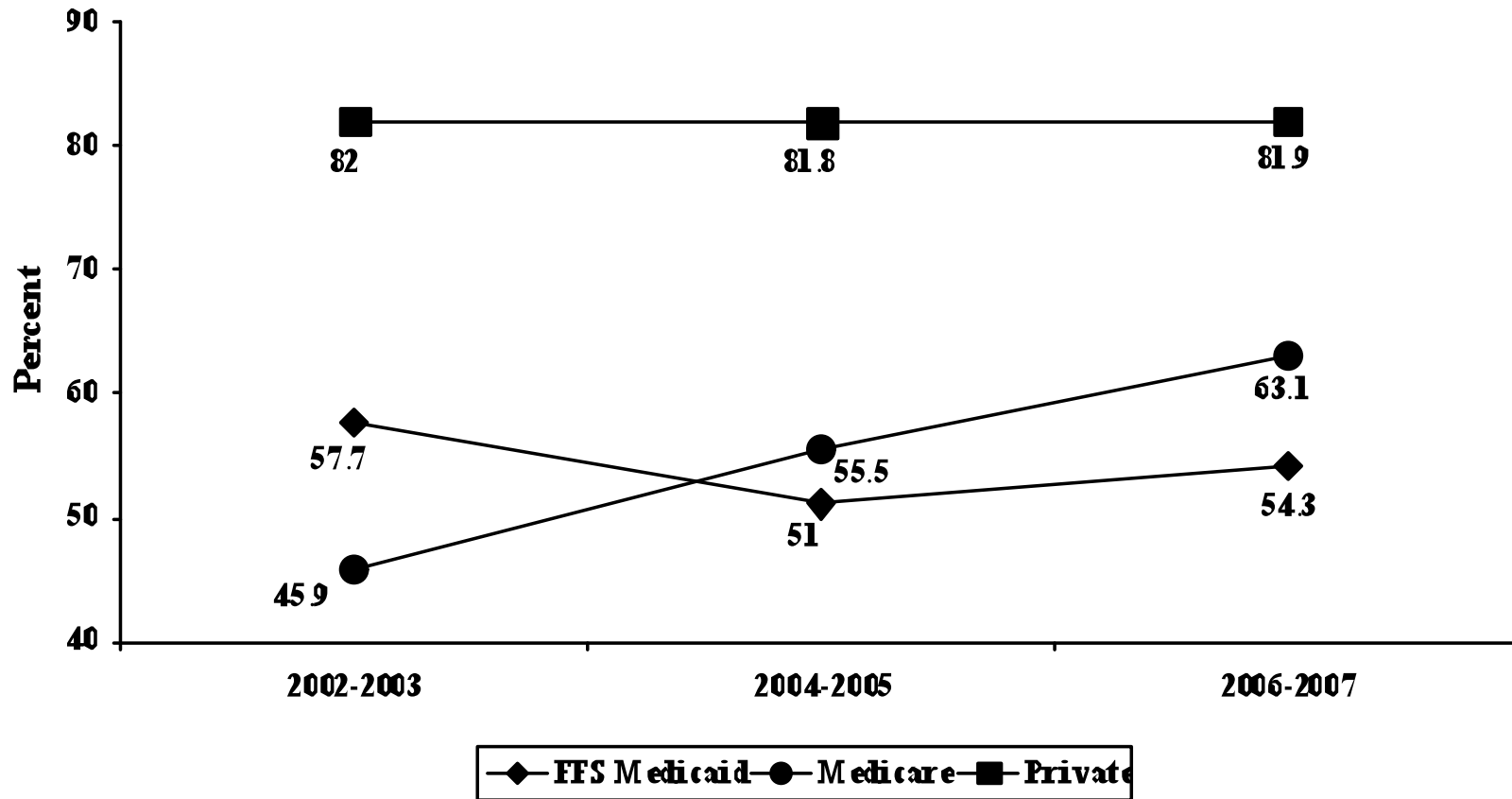
Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RIDepartment of Health

**Figure 3-14**  
**Percent Who Smoke Cigarettes**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health

**Figure 3-15**  
**Percent Who Exercised in Past Month**  
**Ages 18-64 by Health Insurance Coverage**



Data Source: Medicaid Data Archive, Behavioral Risk Factor Surveillance System (BRFSS) 2002-2007, RI Department of Health