

CURRENT STATE OF NH MEDICAID: RESEARCH FINDINGS

Presented by

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Data Sources

- Medicaid Quality Information System (MQIS)
 - <https://medicaidquality.nh.gov/>
- NH Accountable Care Learning Network Reporting Site
 - www.nhaccountablecare.org
- Managed Care Organization and External Quality Review Organization Reports
 - Posted on MQIS site
- Division of Public Health Services Reports
 - Noted on slides

Self-reported Health for MCM Population

Self-Reported Rating of Overall Health- Very Good or Excellent		
	Adult	Child
Physical Health*	26.3%	81.6%
Mental Health*	32.4%	71.2%

*% of respondents that self-reported their health as very good or excellent.

Data source: Adult and Child Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys

Time period: 2015-01-01 – 2015-12-31; <https://medicaidquality.nh.gov/>

MCO populations only, does not include NH Health Protection Program Population

Experience with Care for MCM Population

	Adult	Child
Rating of health care: 8, 9 or 10*	72.8%	84%
Getting needed care right away**	85.7%	94.4%
Rating of personal doctor: 8, 9, or 10*	82.5%	79.5%
Doctor/Provider- best when discussing medicine **	79.8%	79.7%
Doctor showed respect**	91.9%	95.2%
Doctor spent enough time**	89.8%	94.2%
Ease in getting care, tests, treatment**	87.4%	91.6%

*: % of respondents rating their health care or provider as 8, 9, or 10; where 0 is the worst possible and 10 is the best possible rating.

** : % of respondents agreeing with the statement.

Data source: Adult and Child Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys

Time period: 2015-01-01 – 2015-12-31; <https://medicaidquality.nh.gov/>

MCO populations only, does not include NH Health Protection Program Population

Claims Analysis Notes

- Includes medical costs only
- 9-month continuous eligibility criteria is used, except for those under age 1
- Run-out period is 6-months
- Commercial and Medicaid populations are limited to those under age 65
- Medicare Part A and B only, not dual
- Claims analysis uses the Optum[®] Episode Treatment Group software.
 - ETGs are built based on claims analysis, with some hierarchy for diseases.
 - A member can be in more than one ETG.
 - ETGs roll into Major Practice Categories (MPCs).
 - The software also estimates risk calculations for the population: one based on member demographics (demo risk) and one based on retrospective utilization of services (retro risk).
- More detail is on the Accountable Care Learning Network Reporting Site User's Guide: www.nhaccountablecare.org

Claims Analysis Membership by Age

Payer/Data	Time Period	Member Count	% Members Age under 18
Medicaid Managed Care (MCOs)	7/1/2014-6/30/2015	119,499	70.1%
Commercial	7/1/2014-6/30/2015	621,369	21.9%
Historical Medicaid FFS	10/1/2011-9/30/2012	90,080	78.2%
Medicare	7/1/2014-6/30/2015	195,265	Less than 1%

Data source: NH Comprehensive Healthcare Information System (NH CHIS), analysis available at www.nhaccountablecare.org

Medical Costs and Risk Comparisons

Per member per month and risk levels, by type of insurance July 1, 2014-June 30, 2015			
	Overall claims-based PMPM	Avg. Retro Risk	Avg. Demo Risk
Commercial	\$343	0.8092	0.7895
Medicaid (MCO)	\$222	1.0425	0.5388
Medicare	\$685	2.1281	1.7977

PMPM: Per Member, Per Month; This is the PMPM based on paid claims (allowed amount).

Avg. Retro Risk: risk calculations for the population based on retrospective utilization of services

Avg. Demo Risk: risk calculation for the population based on member demographics

Data source: NH Comprehensive Healthcare Information System (NH CHIS), analysis available at

www.nhaccountablecare.org

TOP CONDITIONS AND PRACTICE CATEGORIES

Claims-Based Measures

Data source: NH Comprehensive Healthcare Information System (NH CHIS)

Analysis available at www.nhaccountablecare.org

Top MPCs by % of Members

Commercial 7/1/14-6/30/15

MPC	% mem
Preventative	50.7%
Orthopedics/rheumatology	28.9%
Isolated signs/symptoms	27.6%
Otolaryngology	27.1%
Dermatology	24.3%
Endocrinology	20.1%
Psychiatry	16.1%
Cardiology	15.1%
Ophthalmology	14.7%
Gastroenterology	13.6%

Medicaid Managed Care 7/1/14-6/30/15

MPC	% mem
Preventative	60.3%
Otolaryngology	39.8%
Psychiatry	29.2%
Dermatology	26.9%
Orthopedics/ rheumatology	22.6%
Isolated signs/symptoms	17.4%
Ophthalmology	16.4%
Pulmonology	16.8%
Gastroenterology	14.9%
Endocrinology	11.1%

Historical FFS Medicaid 10/1/11-9/30/12

MPC	% mem
Preventative	69.2%
Otolaryngology	45.5%
Psychiatry	32.0%
Dermatology	31.7%
Orthopedics/rheumatology	23.6%
Isolated signs/symptoms	23.4%
Ophthalmology	22.1%
Pulmonology	19.0%
Gastroenterology	16.0%
Endocrinology	10.2%

Top MPC By Cost (Total Cost)

Commercial 7/1/14-6/30/15

MPC	Total \$
Orthopedics and rheumatology	\$453,012,226
Gastroenterology	\$282,907,856
Cardiology	\$205,970,683
Gynecology	\$173,212,099
Neurology	\$141,667,239
Otolaryngology	\$130,196,040
Endocrinology	\$125,317,436
Preventative	\$124,627,473
Psychiatry	\$117,337,480
Dermatology	\$105,676,648

Medicaid Care Management 7/1/14-6/30/15

MPC	Total \$
Psychiatry	\$77,059,002
Orthopedics and rheumatology	\$26,792,839
Neurology	\$19,736,839
Otolaryngology	\$18,509,522
Gastroenterology	\$16,462,049
Pulmonology	\$13,870,415
Preventative	\$13,761,544
Cardiology	\$12,720,682
Chemical Dependence	\$11,756,714
Endocrinology	\$11,209,112

Historical FFS Medicaid 10/1/11-9/30/12

MPC	Total \$
Psychiatry	\$131,638,455
Neurology	\$23,379,174
Orthopedics and rheumatology	\$19,911,498
Neonatology	\$16,538,049
Otolaryngology	\$15,107,975
Preventative	\$14,656,102
Gastroenterology	\$13,162,681
Pulmonology	\$11,674,725
Obstetrics	\$11,192,723
Cardiology	\$9,054,885

Top 10 ETGs by % of Members

Commercial 7/1/14-6/30/15		Medicaid Managed Care 7/1/14-6/30/15		Historical FFS Medicaid 10/1/11-9/30/12	
ETG's	% mems	ETG's	% mems	ETG's	% mems
Routine Exam	44.3%	Routine Exam	52.2%	Routine Exam	58.6%
Immunizations	12.2%	Tonsillitis, etc.	15.3%	Tonsillitis, etc.	17.8%
Isolated signs/symptoms	10.1%	Otitis media	11.4%	Visual disturbances	15.1%
Hypertension	9.9%	Routine inoculation	11.3%	Otitis media	14.8%
Tonsillitis, etc.	8.5%	Visual disturbances	10.1%	Immunizations	13.5%
Mammogram	7.5%	Otolaryngology diseases	10%	Otolaryngology diseases	10.7%
Depression	6.5%	Depression	8.6%	Routine inoculation	10.2%
Routine inoculation	6.3%	Immunizations	8.5%	Neuropsychological disorders	10.1%
Non-malignant neoplasm of skin	6.1%	Neuropsychological disorders	8.3%	Isolated signs/symptoms	9.6%
Hyperlipidemia	5.9%	Isolated signs/symptoms	8.1%	Asthma	9.0%

Top ETG By Cost (Total Cost)

Commercial 7/1/14-6/30/15		Medicaid Managed Care 7/1/14-6/30/15		Historical FFS Medicaid 10/1/11-9/30-12	
ETG	Total \$	ETG	Total \$	ETG	Total \$
Pregnancy with delivery	\$93,111,617	Depression	\$20,889,837	Intellectual disability	\$29,737,237
Routine Exam	\$90,352,533	Neuropsychological disorders	\$16,269,465	Neuropsychological disorders	\$20,424,815
Malignant neoplasm of breast	\$72,279,144	Psychotic disorders	\$10,758,237	Depression	\$19,524,668
Joint degeneration- back	\$67,314,015	Pregnancy with delivery	\$10,183,889	Neonatal disorders	\$12,354,240
Ischemic heart disease	\$56,495,134	Routine Exam	\$9,394,073	Development disorder	\$12,301,225
Joint degeneration-knee	\$50,178,637	Bipolar	\$8,367,073	Psychotic disorders	\$11,033,580
Depression	\$49,270,846	ADD	\$7,639,757	Autism	\$10,738,297
IBS	\$42,468,974	Neonatal disorders	\$7,545,288	Pregnancy with delivery	\$10,528,247
Hypertension	\$39,744,149	Opioid/barbiturate dependence	\$6,812,985	ADD	\$10,110,456
Non-malignant neoplasm of intestines	\$36,394,652	Anxiety disorder	\$5,820,975	Bipolar	\$10,032,123

Top ETGs by PMPM for MCM Population

Top 10 ETGs by cost	PMPM Condition Costs, for Total Population	PMPM, Condition Costs for Members with Condition	PMPM, All Costs for Members with Condition
Mood Disorder, depression	\$16	\$180	\$559
Neuropsychological/behavioral disorders	\$12	\$142	\$412
Psychotic and Schizophrenic disorders	\$8	\$643	\$1056
Pregnancy with delivery	\$8	\$356	\$553
Routine exam	\$7	\$13	\$208
Mood Disorder, bipolar	\$6	\$328	\$739
Attention deficit disorder	\$6	\$86	\$262
Neonatal disorders, perinatal origin	\$6	\$424	\$761
Opioid or barbiturate dependence	\$5	\$201	\$664
Anxiety disorder or phobias	\$4	\$102	\$388

UTILIZATION AND KEY TOPICS

MCM Population Utilization by Eligibility

Eligibility Group	Primary Care*	ED *	ED, potentially treatable in primary care *
Low Income Children	321.8	36.7	10.3
Children with Severe Disabilities	305.9	24.7	3.6
Foster Care, Former Foster care and adoption subsidy	358.6	36.3	5.5
Low-income non-elderly and BCCP	507.6	76.9	14.2
Adults with disabilities	712.1	104.8	18.7
Elderly and elderly with disabilities	606.8	63.9	8.3

*Per 1000 member months

Time Period: 2015-10-01 – 2015-12-31

Data Source: MQIS, <https://medicaidquality.nh.gov/>

MCM Population Utilization by Age

Age Group	Primary Care*	ED *	ED , potentially treatable in primary care*
Less than 12 months	703.4	74.0	27.7
12-24 months	512.7	65.4	24.1
25 months- 6 years	292.9	38.9	13.4
7-11 years	266.3	23.1	6.3
12-19 years	297.7	35.0	5.5
20-44 years	520.3	87.3	15.8
45-64 years	788.3	91.9	16.9
65 and older	604.2	64.2	8.3

*Per 1000 member months

Time Period: 2015-10-01 – 2015-12-31

Data Source: MQIS, <https://medicaidquality.nh.gov/>

New Hampshire Health Protection Program - Utilization by Age

Age Group	ED *	Inpatient Hospitalization*	Any Substance Use Disorder Service**
19-44 years	70.5	4.4	4.4%
45-64 years	53.8	20.9	2.3%

*Per 1000 member months- Time Period: 2015-10-01 – 2015-12-31

**% of age group using any SUD service- Time Period: 2016-01-01 – 2016-03-31

Data Source: MQIS, <https://medicaidquality.nh.gov/>

Pharmacy Utilization- NH Healthy Families

Top 10 Most Utilized Generic Drugs, 7/1/2015-6/30/2016

Rank	Drug Name	Claim Count	Utilizers
1	Sertraline	14,833	3,127
2	Amoxicilin	13,737	10,458
3	Gabapentin	13,409	2,754
4	Methylphenidate	12,440	2,134
5	Flouxetine	11,324	2,372
6	Omeprazole	11,211	2,858
7	Lisinopril	10,958	2,490
8	Levothyroxine	10,845	2,075
9	Clonazepam	9,782	1,680
10	Trazodone	9,738	2,297

Top 10 Most Utilized Brand Drugs, 7/1/2015-6/30/2016

Rank	Drug Name	Claim Count	Utilizers
1	Proair HFA	15,575	6,659
2	Vyvanse	5,867	967
3	Flovent HFA	4,975	1,811
4	Advair Diskus	4,094	1,054
5	Truetest	3,441	910
6	Suboxone	3,435	359
7	Ventolin HFA	3,368	2,340
8	Novolog	2,913	587
9	Lantus	2,686	500
10	Symbicort	2,167	521

Pharmacy Utilization- WellSense Health Plan

Top 10 Most Utilized Generic Drugs, 7/1/2015-6/30/2016

Rank	Drug Name	Claim Count	Utilizers
1	Amphetamine/ Dextroamphetamine	20,546	2,915
2	Gabapentin	19,484	3,725
3	Amoxicillin	17,672	13,274
4	Sertaline HCL	17,184	3,682
5	Fluoxetine HCL	13,831	2,762
6	Levothyroxine Sodium	13,257	2,214
7	Oxycodone HCL	13,251	3,261
8	Clonazepam	13,085	2,128
9	Trazodone HCL	12,596	2,909
10	Lisinopril	12,418	2,421

Top 10 Most Utilized Brand Drugs, 7/1/2015-6/30/2016

Rank	Drug Name	Claim Count	Utilizers
1	Suboxone	20,546	2,915
2	Proair HFA	19,484	3,725
3	Vyvanse	17,672	13,274
4	Flovent HFA	17,184	3,682
5	Freestyle Lite Test Strip	13,831	2,762
6	Advair Diskus	13,257	2,214
7	Ventolin HFA	13,251	3,261
8	Strattera	13,085	2,128
9	Proventil HFA	12,596	2,909
10	Freestyle Lancets	12,418	2,421

Source: WellSense Health Plan, provided on May 25, 2017

Key Issue: Behavioral Health for MCM Population

Behavioral Health Measure	Percent of Population
Follow Up Hospitalization for Mental Illness: 30-Day Follow-up*	78.1%
Usage of any SUD Specific Service**	7.9%
Antidepressant Medication Management Effective Acute Phase Treatment*	58.9%
Usage of One or more opioid treatment services**	4.2%

*Time period: 2015-01-01 – 2015-12-31

**Time period: 2016-10-01 – 2016-12-31

Data Source: MQIS; <https://medicaidquality.nh.gov/>

Key Issue: Pregnancy Outcomes

Birthweight					
		95% CI			
	% Yes	Lower	Upper	Yes Responses	Population Estimate
Low birth weight					
<i>Medicaid (207)</i>	6.1	5.1	7.5	91	243
<i>Non-Medicaid (432)</i>	4.9	4.4	5.4	152	400
Normal birth weight					
<i>Medicaid (207)</i>	93.9	92.5	94.9	116	3710
<i>Non-Medicaid (432)</i>	95.1	94.6	95.6	280	7773
					<i>Total respondents: 639</i>

Source: PRAMS 2013 Data Book

<https://www.dhhs.nh.gov/dphs/bchs/mch/prams/documents/medicaid-databook2013.pdf>

Key Issue: Pregnancy Outcomes

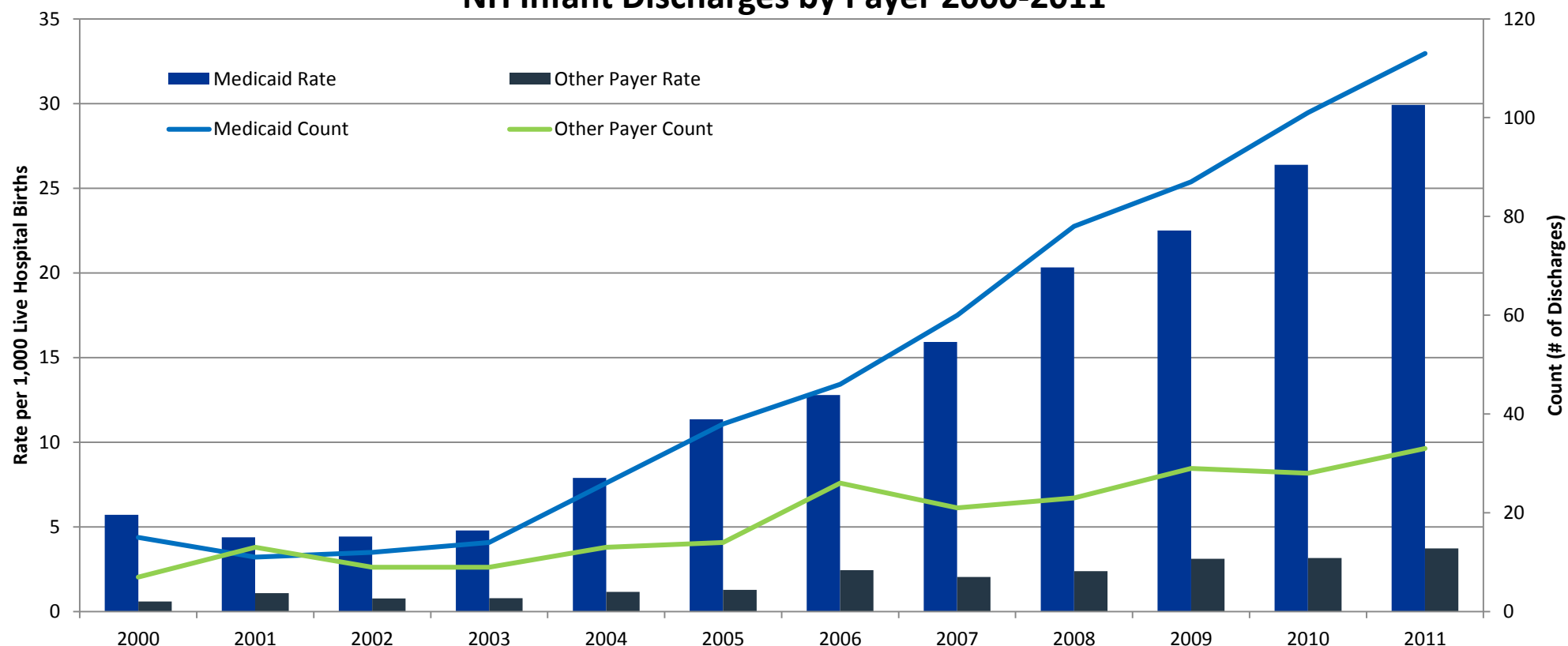
Kotelchuck index		
	Medicaid	Non-Medicaid
Inadequate	12.1% (95% CI: 7.5-18.9)	5.2% (95% CI: 3.0-8.8)
Intermediate	7.4% (95% CI: 3.8-13.9)	4.7% (95% CI: 2.9-7.6)
Adequate	33.2% (95% CI: 25.6-41.9)	44.3% (95% CI: 38.7-49.9)
Adequate plus	47.3 (95% CI: 38.7-56)	45.8 (95% CI: 40.3-51.5)

Source: PRAMS 2013 Data Book

www.dhhs.nh.gov/dphs/bchs/mch/prams/documents/medicaid-databook2013.pdf

Key Issue: Neonatal Abstinence Syndrome

**Neonatal Abstinence Syndrome (779.5)
NH Infant Discharges by Payer 2000-2011**



Source: Maternal and Child Health Neonatal Abstinence Syndrome Report
<https://www.dhhs.nh.gov/dphs/bchs/mch/documents/nas-data-brief.pdf>

Key Issue: Complex Case Management

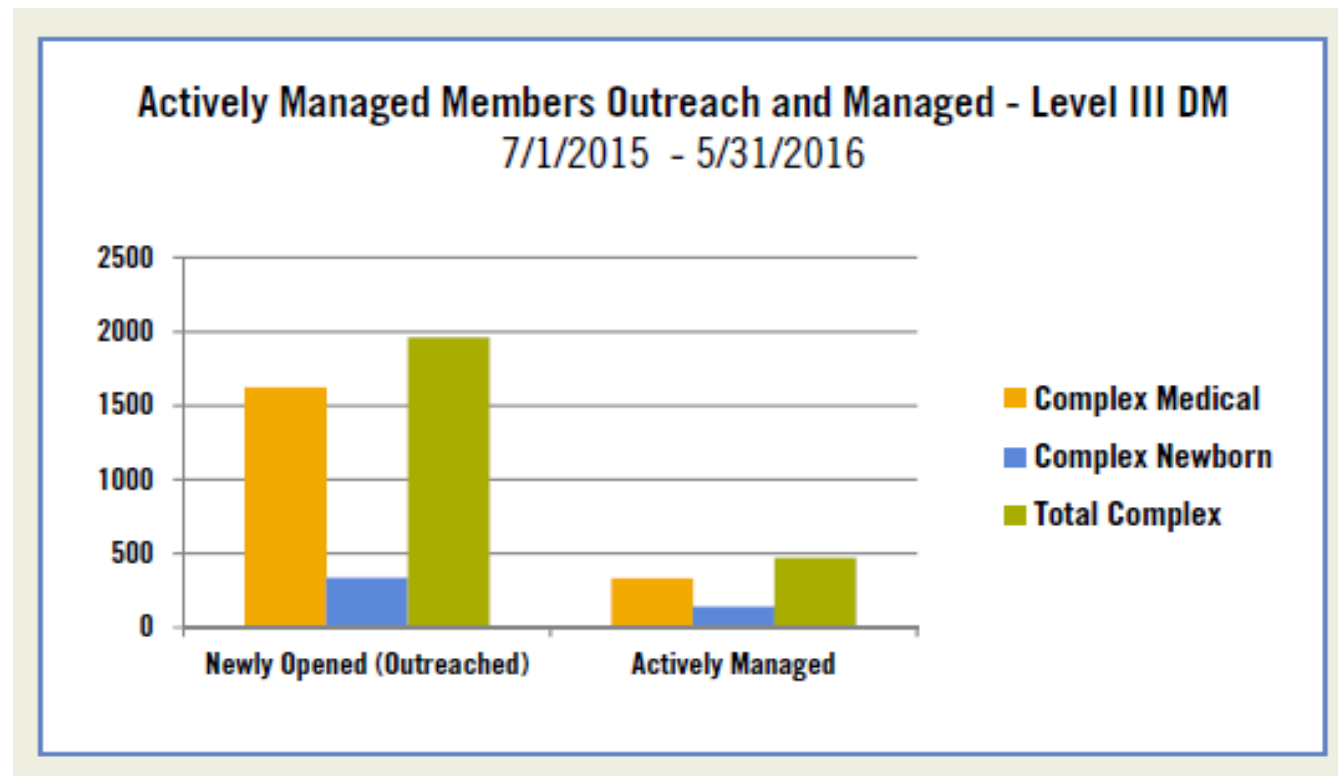
NHFF Membership and Percent Enrolled in Integrated Care Management (ICM), 2016				
Membership as of June 2016	Received Outreach	Enrolled in CM	Percent Enrolled in Total Membership	Percent Enrolled of Total Identified
62,915	11,309	6,076	10%	54%

NHFF ICM Enrollment Case Type	
Care Coordination (CC)	5,397
Complex Care Management (CCM)	679
	Total: 6,076

Source: NH Healthy Families Annual Report, 2017

<https://medicaidquality.nh.gov/sites/default/files/2017%20Q1%20MCM%20Quality%20Update%20NHFF.pdf>

Key Issue: Complex Case Management



Source: Well Sense Annual Report, 2017

<https://www.wellsense.org/~media/a0555e0d39164b67a952e59d5a0ded83.pdf>

Summary

- By number of members, the Medicaid population is primarily kids.
 - Claims volume indicates a lot of pediatrics.
 - Overall health is rated well.
- For adults on Medicaid, different picture
 - Self-rated health is not good, compared to kids and what general populations show.
 - More behavioral health services utilization than commercial.
 - Partly the population, partly the benefit availability
- There is a variety of utilization, across types of service.
- Overall, members are satisfied with their care.

Panel

- Dr. Samuel DiCapua, DO, Chief Medical Doctor, NH Healthy Families
- Stephanie Richardson, Director, Government Programs, Harvard Pilgrim Healthcare
- Lisabritt Solsky, Executive Director, Well Sense Health Plan
- Tom Policelli, Chief Executive Officer, Minuteman Health