

**SPRING 2013**

**EXAM DP-GH**

**Design and Pricing  
GROUP & HEALTH**

**CASE STUDY**

**DP-GH morning**



**COURSE: GROUP HEALTH – DESIGN AND PRICING**

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## CASE STUDY

### I. INTRODUCTION

This case study starts with general information followed by internal and external correspondences which includes more specific information.

All numbers found in this case study are for illustration only and may not be representative of true costs or actual relationships. Any similarities with actual company results are purely coincidental.

### II. A TALE OF TWO COMPANIES

#### *Great Expectations Insurance Company*

Great Expectations Insurance Company (Great Expectations or GEIC) is a large publically-traded insurance company operating exclusively in the United States. The company's corporate vision is to be a leader in the insurance industry, to earn a competitive return for its shareholders, to offer a good value to its policyholders while operating in a financially sustainable way, and to attract and retain valuable employees.

Great Expectations has several divisions including a managed care organization, Barnaby Rudge Inc. (BRI), operating in a single location.

Great Expectations currently offers a full line of products, including but not limited to:

- Indemnity and preferred provider organization (PPO) group medical benefits, including high-deductible health plans (HDHPs)
- Group life,
- Group long-term-disability, and
- Specialty products.

Great Expectations has 5,000 employees supporting four primary business divisions:

- Administrative Services Only (ASO),
- Medical Division (including all Indemnity, PPO, and Managed Care areas, Medicare Advantage and Medicaid business),
- Group Life and Disability (GLD), and
- Ancillary Products.

Great Expectations has a strong reputation in the self-insured and fully insured group major medical market. The company has spent considerable resources in developing its own preferred provider networks across the country. As a result, Great Expectations is strongly positioned nationally as a provider of ASO and fully insured group insurance products.

### ***Copperfield Insurance Company***

Copperfield Insurance Company (Copperfield) is a large insurance company operating exclusively in Canada. Its corporate vision is the same as Great Expectations: to be a leader in the insurance industry, to earn a competitive return for its shareholders, to offer a good value to its policyholders while operating in a financially sustainable way, and to attract and retain valuable employees.

Copperfield's primary product offerings include:

- Supplemental medical benefits,
- Group life,
- Disability insurance, and
- Ancillary products, including dental and vision.

Copperfield employs 2,000 people throughout Canada.

Copperfield also has a strong reputation in its markets. However, it is interested in growing into other markets and possibly internationally.

### **III. PROSPECTIVE CLIENTS**

#### Dombey and Sons, Inc. (Dombey)

Dombey is a firm specializing in the wholesale and retail of manufactured products. They currently operate exclusively in the United States but want to expand into Canada. They employ approximately 1,000 union employees and 500 non-union employees. Their consultant has approached GEIC about providing a number of employee benefit plans, including medical, group life, and long-term disability.

Dombey currently offers its union employees a choice of two medical plans on a two-tier basis. The majority of the employees are enrolled in a \$250 deductible, 80%/60% coinsurance PPO plan. They offer their non-union employees only one medical plan - a high deductible health plan with a health savings account. Dombey provides all employees life insurance coverage of one times salary at no cost to the employee. Employees may elect to "buy-up" to a coverage level of 1.5, 2.0, 2.5, or 3.0 times salary. Dombey self-insures its short-term disability program and fully-insures its long-term disability program. The LTD program has a three-month elimination period that corresponds to the maximum possible duration of the STD program.

#### Little Dorrit Kipper Cannery (Little Dorrit or LDKC)

LDKC is a family-owned firm specializing in the processing and packaging of fish and other seafood products for the retail market. They currently operate a single plant in the

United States with 100 full-time and 75 part-time and seasonal employees. They offer a relatively generous employee benefit package to full-time employees including medical, group life, and long-term disability.

Despite its small size, LDKC has been an early adopter of innovative concepts in employee benefits, particularly for its medical program. They moved all employees to a Consumer-Driven Health Plan (CDHP) design several years ago and have continued to make frequent changes to their benefit designs as other new and innovative programs become available. LDKC currently offers a high and low deductible option CDHP design. The low deductible option is a \$1500/\$3000 single/family deductible paired with a \$1000/\$2000 HRA contribution. The higher deductible option includes a \$2000/\$4000 deductible with a \$750/\$1500 LDKC contribution to the employee's HSA.

Their workforce is relatively uneducated with high turnover and a high incidence of smoking, obesity, hypertension, diabetes and other lifestyle-driven conditions. However, LDKC has found that their employees have been very receptive to programs including financial incentives tied to behavioral and lifestyle changes related to their medical programs.

LDKC currently has medical coverage with a local competitor to Great Expectations due to perceived advantages in unit costs driven by their concentrated geographic footprint. However, they have recently become interested in moving their medical plan to a national carrier such as Great Expectations due to their greater experience in innovative benefit designs including CDHP designs and their associated wellness and employee engagement programs. Their current carrier has been slow to develop capabilities in this area. They are also considering moving their group life and disability business to the same carrier as their medical plan. These lines are not offered by their current carrier.

Their medical plan is currently offered under a prospective experience rated arrangement. LDKC believes that they do not currently get full credit for the wellness and engagement programs that they sponsor because their experience rates are not fully credible and are slow to adjust to their actual experience. Because of this, they are considering a switch to a retrospective experience rated product offered by Great Expectations which they believe will allow them to pay premiums that track more closely to their actual experience in the long-term while still protecting them from year-to-year volatility. This funding arrangement is not offered by their incumbent carrier.

Email 1

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From: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 3, 2012  
Subject: Welcome Aboard

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Hello. I hope you have enjoyed your initial few days here.

While I know you are busy with your day-to-day work, there is a major initiative with which I need you to take a lead role.

As you know, we currently offer only group insurance. Due to market pressures and the recent political activity, the Board and I are very keen on expanding into all lines of individual insurance. However, we have little experience in the individual market place. We would like you to lead a group of senior executives to explore this expansion. In particular, we'd like your team's review to include (but not be limited to) how our current expertise in group products may overlap with the individual marketplace, potential marketing approaches, and any financial concerns about this initiative.

As you are also no doubt aware, due to the recent passage of health care reform legislation (PPACA), you will need to include a review of those provisions in your evaluation of the individual market.

Again, welcome aboard. This is certainly an exciting time to be at Great Expectations.

- Charles

Email 2

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From: Mr. Wemmick <jwemmick@greatexp.com >  
To: Charles Dickens <cdickens@greatexp.com >  
Sent: March 8, 2012  
Subject: Claims Experience Table From Rate Filing

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Dear Mr. Dickens,

As you requested, I am sending Exhibit 1.a. from our small group rate filing so that you can see how our actual experience (on a normalized basis) has compared to our current rates.

Note that there are special adjustments made that attempt to normalize our experience:

- Wear-off Adjustment: Newer groups tend to have better experience than older groups and this factor normalizes for this expected result.
- Age-Sex Factors: All things being equal, older people are expected to cost more, as are women in the child-bearing years.
- Area: The average cost of services tends to vary area to area.
- Group Size: Because of selection, smaller groups tend to use more benefits than larger groups.
- Large claims fluctuate greatly over time and within products, and thus need to be pooled in order to smooth out the experience. As a result, we remove actual large claims experience and substitute expected experience.

Let me know if you have any questions or need more information.

Regards,  
Mr. Wemmick



Email 3

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From: Mr. Wemmick <jwemmick@greatexp.com >  
To: Charles Dickens <cdickens@greatexp.com >  
Sent: March 15, 2012  
Subject: Rate Development for Small Group Medical

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Dear Mr. Dickens,

As you requested, I have outlined the key steps used to develop the premium rates charged to a small group customer.

### **Base Rate Assumptions**

Base rates represent manual rates: that is, the rates filed with the state insurance department. For groups with less than 5 lives, base rates are used directly to determine the group's premium. For groups with more than 5 lives, we use a combination of the group's experience and the base rates.

We review the base rates for each market on a quarterly basis to determine if a rate increase is needed. As shown in Exhibit 1.a. that I sent you last week, this review compares our current rates to actual experience on a normalized basis, adjusted for large claims fluctuations. We then trend the experience to the applicable policy period. A little more detail:

- We know that claims vary greatly from group to group based on characteristics of the group: demographics, area, size, etc. As a result, our claims experience does not reflect any specific group. To adjust for that in rating, we normalize the experience to reflect a standard census using factors. Each factor is based on an annual study. The specific factors we adjust for include:
  - Wear-off (Exhibit 1.b.). New groups tend to have better experience than groups with longer duration because of underwriting. This factor normalizes for that.
  - Age-Sex (Exhibit 1.c.). All other things being equal, younger people tend to have lower claims than older people, except perhaps for women in the child-bearing years
  - Area (Exhibit 1.d.). The average cost of services for a specific market basket of services tends to vary area to area. This factor assumes a market basket approach and does not reflect other factors that may vary by area, such as practice patterns.
  - Group Size. (Exhibit 1.e.). Because of selection, smaller groups tend to use more benefits than larger groups.
- Large claims fluctuate greatly period to period. As a result we remove actual large claims experience and substitute in expected experience. In years when large claims experience has been favorable, this increases rates and conversely reduces rates in years when the experience is unfavorable.
- Trends are based on a "passive renewal" basis. That is, the trends are those used if a customer does not change benefits.

**Customer Data**

As discussed above in order to develop a customer specific premium, we need certain information about the group. At the group level, the key factor is the effective date, since that determines the wear-off factor. At the individual level, the key facts are the age-sex, area and claims experience for each member.

**Manual Rate**

Once we have the customer data, the system calculates the group specific manual rate as shown in Exhibit 3.a. This is just the base rate from Exhibit 1.a. multiplied by group-specific normalizing factors which are calculated as shown in Exhibits 3b. – 3.c.

**Final Rates**

As the last part of the process, the underwriter calculates the group specific premiums in 2 steps

- The adjusted PMPM is calculated, which is the weighted average of the manual rate and the customer experience adjusted for large claims (Exhibit 4.a.)
- Rates by tier are calculated as shown in Exhibit 4.a.

The rates apply to all employees in the group, including new employees. For example, the rate for a family employee is \$xxxx. If a new family employee joins the group, then the customer will be charged \$xxxx regardless of the age-sex of that employee.

I hope this answers your questions, if not, then let's set up time to discuss.

Sincerely,  
Mr. Wemmick

Exhibit 1.a.  
 Great Expectations  
 Base Rate Review for Old London Market  
 Small Business 2- 50 Lives  
 Summary

	HMO	POS	PPO	HRA	HSA	Total	Comments
<b>1. Actual Loss Ratio CY 2009</b>							
a. Member Months	6,000	120,000	66,000	36,000	12,000	240,000	Actual Experience
b. Average Members	500	10,000	5,500	3,000	1,000	20,000	1.a./12
c. Incurred PMPM	\$ 250.00	\$ 275.00	\$ 280.00	\$ 217.00	\$ 205.00	\$ 263.55	Actual Experience
d. Revenue PMPM	\$ 300.00	\$ 375.00	\$ 327.16	\$ 320.00	\$ 355.93	\$ 350.77	Actual Experience
e. Loss Ratio	83.3%	73.3%	85.6%	67.8%	57.6%	75.1%	1.c./1.d.
<b>2. Adjusted Experience</b>							
a. Experience PMPM	\$ 250.00	\$ 275.00	\$ 280.00	\$ 217.00	\$ 205.00	\$ 263.55	1.c.
b. Actual Catastrophic Claims	\$ (33.00)	\$ (24.00)	\$ (35.00)	\$ (10.00)	\$ (5.00)	\$ (24.20)	Claims > \$200,000 excluded
c. Expected Catastrophic Claims	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	Expected Claims > \$200,000
d. Sub-total	\$ 237.00	\$ 271.00	\$ 265.00	\$ 227.00	\$ 220.00	\$ 259.35	2.a. + 2.b. + 2.c.
e. Wear-off Adjustment	98.3%	97.8%	97.9%	97.3%	97.2%	97.8%	See "Exhibit 1.b."
f. Sub-total: Adjusted PMPM	\$ 241.17	\$ 277.01	\$ 270.56	\$ 233.20	\$ 226.40	\$ 265.24	2.d./2.e.
g. Pricing Trend Factor	122.7%	122.7%	122.7%	122.7%	122.7%	122.7%	See "Exhibit 1.f."
h. Projected Claims 1/1/11 Effective Date	\$ 295.85	\$ 339.81	\$ 331.90	\$ 286.07	\$ 277.73	\$ 325.37	2.f. x 2.g.
i. Target Loss Ratio	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	Pricing Assumption
j. Needed Revenue for 1/1/2011 Effective Date	\$ 379.29	\$ 435.66	\$ 425.51	\$ 366.76	\$ 356.06	\$ 417.14	2.h./2.i.
<b>3. Current Manual Rate</b>							
a. Current Medical Base Rate	\$ 225.00	\$ 285.00	\$ 270.00	\$ 240.00	\$ 235.00	\$ 270.13	Based on current portfolio
b. Current Pharmacy Base Rate	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00	Based on current portfolio
c. Sub-total: Current Base Rate	\$ 280.00	\$ 340.00	\$ 325.00	\$ 295.00	\$ 290.00	\$ 325.13	3.a. + 3.b.
d. Age-Sex Factors	92.8%	102.6%	103.4%	98.2%	98.3%	101.7%	See "Exhibit 1.c."
e. Area Factors	100.2%	101.1%	101.1%	100.9%	99.8%	101.0%	See "Exhibit 1.d."
f. Size Factor	93.5%	96.4%	102.9%	101.6%	100.8%	99.1%	See "Exhibit 1.e."
g. Sub-total: Current Premium Level	\$ 322.03	\$ 340.08	\$ 302.21	\$ 292.95	\$ 293.52	\$ 319.82	3.c./3.d. x 3.e. x 3.f.
h. Trend factor	122.7%	122.7%	122.7%	122.7%	122.7%	122.7%	2.g.
i. "Do Nothing" Premium for 1/1/2011 Effective Date	\$ 395.04	\$ 417.19	\$ 370.73	\$ 359.37	\$ 360.06	\$ 392.33	3.g. x 3.h.
<b>4. Supportable Pricing Adjustment</b>							
	-4.0%	4.4%	14.8%	2.1%	-1.1%	6.3%	2.j./3.i.-1
<b>5. Recommended Action</b>							
						8.0%	

**Exhibit 1.b.  
 Great Expectations  
 Base Rate Review for Old London Market  
 Small Business 2- 50 Lives  
 Wear-off Factors**

Duration	Factor	HMO	POS	PPO	HRA	HSA
		0.983	0.978	0.979	0.973	0.972
1	0.670	5	175	118	83	22
2	0.780	8	321	98	79	23
3	0.820	9	185	92	40	15
4	0.860	6	133	77	53	21
5	0.890	7	79	56	47	26
6	0.910	9	55	75	52	29
7	0.930	8	83	33	61	27
8	0.950	4	87	61	41	18
9	0.950	5	75	68	36	15
10	0.970	2	120	52	42	23
11	0.970	3	135	49	24	15
12	0.990	4	152	46	42	16
13+	1.000	430	8400	4675	2400	750
Total Members		500	10,000	5,500	3,000	1,000

**Notes:**

Represents: Underwriting wear-off; that is, the tendency of groups to use fewer benefits at the lower durations

Source: Study, based on actual experience adjusted for age-sex, area and other variables that might skew the results

Exhibit 1.c.  
 Great Expectations  
 Base Rate Review for Old London Market  
 Small Business 2- 50 Lives  
 Age-Sex Calculations

Average Factor		HMO	POS	PPO	HRA	HSA
		0.928	1.026	1.034	0.982	0.983
<b>MALE</b>						
M-Children	0.558	109	1,877	977	415	115
<25	0.437	10	147	108	209	105
25-29	0.492	21	256	186	255	97
30-34	0.574	25	375	211	130	50
35-39	0.657	25	449	225	110	50
40-44	0.864	18	398	198	130	37
45-49	1.123	12	339	243	102	32
50-54	1.509	7	553	213	74	25
55-59	2.001	5	241	105	57	19
60-64	2.657	3	130	72	39	13
65+	3.215	5	96	53	29	10
<b>FEMALE</b>						
F-Children	0.558	106	1,895	950	435	110
<25	1.057	12	180	90	139	23
25-29	1.446	22	354	242	109	44
30-34	1.406	26	525	289	128	52
35-39	1.216	27	540	346	136	54
40-44	1.202	18	503	277	160	50
45-49	1.380	16	373	243	112	37
50-54	1.638	12	279	203	84	28
55-59	1.880	9	219	121	66	22
60-64	2.272	7	155	85	46	15
65+	2.749	6	116	64	35	12
Total Members		500	10,000	5,500	3,000	1,000

**Notes:**

Represents: Relative costs by age-sex

Source: Study, based on actual experience adjusted for area, wear-off and other variables that might skew the results

**Exhibit 1.d.**  
**Great Expectations**  
**Base Rate Review for Old London Market**  
**Small Business 2- 50 Lives**  
**Area Factors**

Average Factor		HMO	POS	PPO	HRA	HSA
		1.002	1.011	1.011	1.009	0.998
Area 1	1.050	211	4,472	2,400	1,134	398
Area 2	0.960	158	2,368	1,661	850	323
Area 3	0.910	87	1,785	726	515	196
Area 4	1.100	44	1,375	713	501	83
Total Members		500	10,000	5,500	3,000	1,000

**Notes:**

Represents: Unit costs for a market basket of goods and services

Source: Projected increases by provider, supplied by the network area

Exhibit 1.e.  
 Great Expectations  
 Base Rate Review for Old London Market  
 Small Business 2-50 Lives  
 Size Adjustments

Size Band	Factor	HMO	POS	PPO	HRA	HSA
		0.935	0.964	1.029	1.016	1.008
1-3	1.2074	45	1,653	1,781	83	295
4-5	1.0199	55	1,123	981	79	120
6-9	0.9438	93	2,509	1,453	40	244
10-25	0.8690	221	3,506	634	53	253
25+	0.9000	86	1,209	651	47	88
Total Members		500	10,000	5,500	302	1,000

**Notes:**

Represents: Anti-selection by size of group

Source: Study, based on actual experience adjusted for age-sex, area and other variables that might skew the results

Exhibit 1.f.  
 Great Expectations  
 Base Rate Review for Old London Market  
 Small Business 2- 50 Lives  
 Pricing Trend Development

	2010	2011	Combined	Comments
Core Utilization	2.0%	3.0%	5.1%	Based on economic model tying to disposable income, etc
Mix of Services/Providers	1.0%	1.0%	2.0%	Tendency to gradually use more intense services
Health Technology Pipeline	0.3%	0.5%	0.8%	New drugs, guidelines, etc
Unit Cost Impact	5.0%	6.0%	11.3%	Based on market basket of services, similar to area factors
Regulatory Impacts	0.3%	-0.3%	0.0%	New state mandates, etc
Great Expectations Policy Process Changes	-0.4%	0.0%	-0.4%	Changes initiated by Great Expectations (claims processing, etc)
Work/Calendar Day Adjustments	-0.3%	0.1%	-0.2%	Reflects tendency of people to use services more on work days
<b>Allowed Trend</b>	<b>7.9%</b>	<b>10.3%</b>	<b>18.6%</b>	
Leveraging	0.5%	0.5%	1.0%	Impact of fixed deductible
Demographics	0.5%	0.5%	1.0%	Gradual aging of population
Other	0.0%	-0.5%	-0.5%	
<b>Net Paid, Before Margin</b>	<b>8.9%</b>	<b>10.8%</b>	<b>20.7%</b>	
Margin	1.0%	1.0%	2.0%	
<b>Pricing Trend</b>	<b>9.9%</b>	<b>11.8%</b>	<b>22.7%</b>	

Allowed costs represent the combined amount paid to a provider from the insurance carrier and the member. For an in-network provider, the allowed cost represents the provider negotiated amount. For example, assume the carrier has negotiated a 20% discount off billed charges for a service that has a \$100 billed charge and the member has a \$10 copay, then the net paid amount is \$70 and the allowed cost is \$80.

Billed Charge	\$100
Provider Discount	\$20
Allowed Cost	\$80
Member Copay	(\$10)
Net Paid	\$70

For an out-of-network provider, the allowed charge represents the lesser of the billed charges and the usual, customary, and reasonable (UCR) amount.



**Exhibit 2.**  
**Great Expectations**  
**Customer Specific Data: Joe's Garage**

**Experience Analysis**

Employee Number	Employee Last Name	Employee First Name	Tier	Member First Name	Age-Sex/ Gender	Relationship	Area	Member Months	Allowed Claims	Total Net Paid Claims	Paid Excluding Large Claims
1	Smith	John	Employee Only	John	25M	Employee	Area 1	6	\$ -	\$ -	\$ -
2	Doe	Jane	Family	Jane	32F	Employee	Area 3	12	\$ 260,000	\$ 250,000	\$ 25,000
2	Doe	Jane	Family	Daniel	33M	Spouse	Area 3	12	\$ 300	\$ 250	\$ 250
2	Doe	Jane	Family	Mary	4F	Child	Area 3	12	\$ 100	\$ 70	\$ 70
2	Doe	Jane	Family	Billy	5M	Child	Area 3	12	\$ 1,000	\$ 900	\$ 900
3	Brown	Barry	Employee + Spouse	Barry	49M	Employee	Area 2	12	\$ 3,000	\$ 2,550	\$ 2,550
3	Brown	Barry	Employee + Spouse	Betty	39F	Spouse	Area 2	12	\$ 1,000	\$ 600	\$ 600
								78	\$ 265,400	\$ 254,370	\$ 29,370

Unique Members =		7
Member Months		78
Average Members		6.5
Total Claims =	\$	254,370
PMPM, including Large Claims =	\$	3,261.15
Total Claims excluding large claims	\$	29,370
PMPM, Excluding Large Claims	\$	376.54
Retention		22%
Group Specific Experience Rate	\$	482.74

Group Effective Date	1/1/2009
Premium Rate Effective Dage	1/1/2011

Exhibit 3.a.  
 Great Expectations  
 Customer Specific Data: Joe's Garage  
 Manual Rate Calculation

Item	Value	Comments
1.a. Base PMPM	\$ 359.37	Base rate, see Exhibit 1.a
1.b. Wear-off Factor	0.820	Plan will be in duration 3, effective 1/1/2011 (See Exhibit 1.b)
1.c. Age-Sex Factor	0.847	See Exhibit 3.b.
1.d. Size Adjustment	0.944	Based on 7 members, see Exhibit 1.e.
1.e. Final Manual Rate	\$ 235.49	1.a. x 1.b. x 1.c. x 1.d.

Exhibit 3.b.  
 Great Expectations  
 Customer Specific Data: Joe's Garage  
 Age-Sex Calculations

Average Factor		0.847
<b>MALE</b>		
M-Children	0.558	1
<25	0.437	0
25-29	0.492	1
30-34	0.574	1
35-39	0.657	0
40-44	0.864	0
45-49	1.123	1
50-54	1.509	0
55-59	2.001	0
60-64	2.657	0
65+	3.215	0
<b>FEMALE</b>		
F-Children	0.558	1
<25	1.057	0
25-29	1.446	0
30-34	1.406	1
35-39	1.216	1
40-44	1.202	0
45-49	1.380	0
50-54	1.638	0
55-59	1.880	0
60-64	2.272	0
65+	2.749	0
Total Members		7

Notes:

Represents: Relative costs by age-sex

Source: Study, based on actual experience adjusted for area, wear-off and other variables that might skew the results

Exhibit 3.c.  
 Great Expectations  
 Customer Specific Data: Joe's Garage  
 Area Factor Calculations

Average Factor		0.944
Area 1	1.050	1
Area 2	0.960	2
Area 3	0.910	4
Area 4	1.100	0
Total Members		7

Notes:

- Represents: Unit costs for a market basket of goods and services
- Source: Projected increases by provider, supplied by the network area

**Exhibit 4.a.**  
**Great Expectations**  
**Customer Specific Data: Joe's Garage**  
**4-Tier Rate Development**

Credibility-Weighted PMPM Calculation

Manual Rate	\$	235.49	Exhibit 3.a.
Group Specific Experience Rate	\$	482.74	Exhibit 2.
Credibility Factor		5%	Exhibit 4.b.
Credibility-Weighted PMPM	\$	247.85	

	<u>Standard</u>	<u>Assumed</u>	
	<u>Employee Distribution</u>	<u>Contract</u>	<u>4-Tier Rates</u>
Single	35%	1.00	\$ 301.61
EE + SP	10%	2.00	\$ 603.23
EE + CH(+)	30%	2.50	\$ 542.91
EE + FAM.	<u>25%</u>	4.00	\$ 965.17
	100%		
Average Contract Size		2.30	

Cost Per Employee	\$	570.05
Average Tier Factor		1.89
Single Rate	\$	301.61

**Exhibit 4.b.**  
**Great Expectations**  
**Customer Specific Data: Joe's Garage**  
**Credibility Factors**

Number of Members		Credibility Factor
0	5	0%
6	25	5%
26	100	10%
101	500	15%
501	1,000	28%
1,001	2,000	40%
2,001	3,000	49%
3,001	4,000	56%
4,001	5,000	63%
5,001	6,000	69%
6,001	7,000	75%
7,001	8,000	80%
8,001	9,000	85%
9,001	10,000	89%
10,001	11,000	93%
11,001	12,000	98%
12,001 and above		100%

Email 4

---

From: Kate Nickleby <[knickleb@greatexp.com](mailto:knickleb@greatexp.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 23, 2012  
Subject: Barnaby Rudge, Inc. Trend Information

---

Hello.

I am one of your actuarial students. Per your request to my supervisor, I have included a summary output table (Table 1) of the claims data showing PMPMs for both rolling 6-month and 12-month periods:

Please let me know if you have any additional questions. Note, though, that I am out Tuesdays and Thursdays studying for exams.

Kate

Table 1

Barnaby Rudge, Inc.  
PMPM Trend Table

Summary Output								
Month	Members (in 1,000s)	Claims Paid (in \$1,000s)	Incurred & Paid (in \$1,000s)	Completion Factors	Incurred Estimate (in \$1,000s)	Incurred PMPM Estimate	6-month Rolling (PMPM)	12-month Rolling (PMPM)
Jan-08	930		\$45,500	1.0000	\$45,500	\$48.92		
Feb-08	943		\$41,400	1.0000	\$41,400	\$43.90		
Mar-08	944		\$46,900	1.0000	\$46,900	\$49.68		
Apr-08	945		\$46,700	1.0000	\$46,700	\$49.42		
May-08	944		\$43,700	1.0000	\$43,700	\$46.29		
Jun-08	944		\$43,500	1.0000	\$43,500	\$46.08	\$47.38	
Jul-08	943		\$43,700	1.0000	\$43,700	\$46.34	\$46.95	
Aug-08	939		\$42,000	1.0000	\$42,000	\$44.73	\$47.09	
Sep-08	934		\$42,500	1.0000	\$42,500	\$45.50	\$46.40	
Oct-08	933		\$46,900	1.0000	\$46,900	\$50.27	\$46.53	
Nov-08	936		\$43,500	1.0000	\$43,500	\$46.47	\$46.56	
Dec-08	937		\$47,800	1.0000	\$47,800	\$51.01	\$47.39	\$47.38
Jan-09	937	\$51,600	\$48,100	1.0000	\$48,100	\$51.33	\$48.22	\$47.58
Feb-09	940	\$43,100	\$44,100	1.0000	\$44,100	\$46.91	\$48.58	\$47.84
Mar-09	942	\$46,200	\$48,800	1.0000	\$48,800	\$51.80	\$49.64	\$48.01
Apr-09	942	\$44,000	\$48,900	1.0000	\$48,900	\$51.91	\$49.91	\$48.22
May-09	940	\$55,700	\$46,800	1.0000	\$46,800	\$49.79	\$50.46	\$48.51
Jun-09	939	\$43,800	\$49,500	1.0000	\$49,500	\$52.72	\$50.74	\$49.07
Jul-09	943	\$58,300	\$50,700	1.0000	\$50,700	\$53.76	\$51.15	\$49.69
Aug-09	939	\$45,000	\$48,500	0.9993	\$48,533	\$51.69	\$51.95	\$50.27
Sep-09	937	\$44,000	\$49,500	0.9990	\$49,550	\$52.88	\$52.12	\$50.88
Oct-09	945	\$55,000	\$52,200	0.9976	\$52,324	\$55.37	\$52.70	\$51.31
Nov-09	945	\$45,100	\$50,200	0.9966	\$50,370	\$53.30	\$53.29	\$51.88
Dec-09	945	\$56,600	\$54,300	0.9950	\$54,575	\$57.75	\$54.13	\$52.44
Jan-10	945	\$48,700	\$51,200	0.9937	\$51,526	\$54.52	\$54.26	\$52.71
Feb-10	966	\$46,700	\$49,700	0.9911	\$50,147	\$51.91	\$54.28	\$53.12
Mar-10	964	\$50,400	\$57,600	0.9879	\$58,305	\$60.48	\$55.56	\$53.85
Apr-10	968	\$64,900	\$54,100	0.9828	\$55,046	\$56.87	\$55.81	\$54.27
May-10	967	\$49,400	\$52,400	0.9771	\$53,628	\$55.46	\$56.16	\$54.74
Jun-10	968	\$49,500	\$54,800	0.9682	\$56,601	\$58.47	\$56.29	\$55.22
Jul-10	969	\$60,900	\$55,000	0.9494	\$57,934	\$59.79	\$57.16	\$55.73
Aug-10	974	\$53,800	\$55,100	0.9270	\$59,439	\$61.03	\$58.68	\$56.51
Sep-10	974	\$53,100	\$53,300	0.8830	\$60,365	\$61.98	\$58.94	\$57.26
Oct-10	976	\$72,100	\$49,300	0.8022	\$61,457	\$62.97	\$59.96	\$57.90
Nov-10	980	\$51,400	\$39,200	0.5934	\$66,057	\$67.41	\$61.95	\$59.08
Dec-10	979	\$68,500	\$8,100	0.0759	\$106,725	\$109.01	\$70.40	\$63.39



Email 5

---

From: Dr. Alexander Manette <[amanette@greatexp.com](mailto:amanette@greatexp.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 3, 2012  
Subject: Medical Management Help

---

Hello and welcome aboard.

Let me introduce myself. I'm Dr. Alexander Manette, but please call me Alex. I am VP of our Medical Management area.

We currently are split up into two primary areas: disease management and case management. Unfortunately, we are light on any kind of metrics. Here is some information we have gathered regarding 2011 experience.

Service Category	2011 Utilization	2011 Claims Paid (in \$1,000s)
Hospital Inpatient	57,600 Admits	\$133,880
Hospital Outpatient	192,000 Services	\$153,962
Physician	576,000 Visits	\$267,760
Rx	768,000 Scripts	\$113,798
Total		\$669,400

We are proposing a new case management initiative to cut our inpatient costs by imposing new admission requirements. This initiative would include eight nurse case-managers and one nurse supervisor. The cost of the program will be:

Nurse category	Number	Fully loaded Salary	Total Costs
Case managers	8	\$125,000	\$1,000,000
Supervisor	1	\$150,000	\$150,000
Total	9		\$1,150,000

We believe we can cut our admission rate by 4% with this new initiative.

I understand you have some experience in this area and I'd like to talk with you further about it. I'll set up some time so we can speak.

Regards - Alex

Email 6

---

From: Dr. Alexander Manette <amanette@greatexp.com>  
 To: You <you@greatexp.com >  
 Sent: March 15, 2012  
 Subject: Pricing Help

---

Thank you for your recent actuarial input helping our medical management practices. Even though I'm a clinician, I think I actually understood the concepts you were talking about! The reason I'm contacting you today is that Mr. Dickens would like for us to help with some pricing work that Great Expectations is working on. With the rising medical and pharmacy trends we've been experiencing and the provider contracting work we have consulted on, we certainly deserve to be a part of the discussion.

More specifically, he is asking us to assist with pricing the National HMO plan. In the email I sent you March 3, I provided you with some 2011 cost and utilization data from that plan. I am sending you some additional information below that should be of help as we work with Mr. Dickens.

Here is the 2011 and proposed 2012 benefit structure that Mr. Dickens gave me.

	<b>National HMO Benefit Grid</b>	
	<b>2011</b>	<b>2012 Planned</b>
Deductible	None	None
OOP Limit	Unlimited	Unlimited
Hospital IP	\$500/admit	\$550/admit
Hospital OP	\$200/service	\$250/service
Physician	\$20/visit	\$25/visit
RX	\$20/script	\$25/script

Here is the historic and projected cost structure for this plan that he obtained from the Finance Department.

	<b>National HMO Cost Structure</b>	
	<b>2011 Actual</b>	<b>2012 Projected</b>
Fixed Admin (PMPM)	\$10.00	\$11.00
Capitation Expense (PMPM)	None	\$30.00
Variable Admin	5.0%	5.5%
Profit Target	3.4%	4.4%
Plan Members	200,000	210,000
Premium (PMPM)	\$315	?

And finally, here are the utilization trends and projected unit cost assumptions that he wants in pricing.

<b>National HMO Trend Assumptions</b>		
	<b>Annual Utilization Trend</b>	<b>2012 Projected Cost Per Unit (to GEIC)</b>
Hospital IP	2%	\$4,600
Hospital OP	3%	\$1,200
Physician	1%	\$125
RX	7%	\$100

He said it was too early in the year for emerging 2012 experience to be of any use. I thought it could be helpful, but he gave me an actuarial lesson on seasonality and claim run-out. It was clear as mud to me, but I'm sure you get it!

Please begin looking over the information I have provided. Mr. Dickens and I will be in touch over the coming days. I have a hunch that the pricing will come out too high, and that I will be asked to drive down costs via medical management. I guess that's why they pay me the big bucks!

Regards  
- Alex

Email 7

---

From: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 5, 2012  
Subject: Sales Request

---

I don't know if you've had the pleasure to meet or VP of marketing. In any case, please review the following e-mail.

Forwarded by Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>

---

From: Oliver Twist <[otwist@greatexp.com](mailto:otwist@greatexp.com)>  
To: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>  
Sent: March 3, 2012  
Subject: NEED YOUR HELP

---

Chuck,

As you know, we've had troubles across the board selling our products. I feel like our actuaries are trying to pick our pockets by keeping the rates so high!!

In talking with our brokers and sales staff, the consensus is that for the upcoming year, we need to lower our book rates on our medical products by an additional 10% (not including the 5% you already committed to last week). In so doing, we think we can grow our medical enrolment by 15%, offsetting the decreased premium.

Our top producer in Region 1, Arthur Dodger, has been particularly vociferous in his comments. I'd hate to lose Artie as a broker. However, he is concerned about his ability to sell our products. I've been thinking – he and his staff are experts in the individual and retiree health arena. Is it possible to team up with him in developing new products in these areas?

Regarding the premium issue – I think we're really going to need some relief in the coming year – especially with the changes in the market due to healthcare reform.

With all due respect – please, sir, we want some more.

Ollie



# Memo

**To:** Charles Dickens  
**From:** Wilkins Macawber  
**CC:**  
**Date:** 8/21/2012  
**Re:** Employee Pilot program for Wellness

---

Wellness programs are an essential part of employee benefits and groups are asking for advice and direction in their design. As a result, the benefits design and planning committee wants to sell a wellness program to go along with the PPO product.

We need to figure out how to do this right so I think we need to develop our own in-house program – the numbers for outsourcing don't pencil out. Then after we have a track record and have some success we can start to sell a branded wellness product. I suggest we develop a program for our employees as a first step and consider incorporating spouses and children at a later time.

I see the program having the following the following components:

Component	Target Issue
Fit for Life	Fitness
Slim-n-Trim at Work	Weight management
De-Stress Your Life	Stress management
No Puffin	Tobacco use
Positive Outlook	Anti-depression

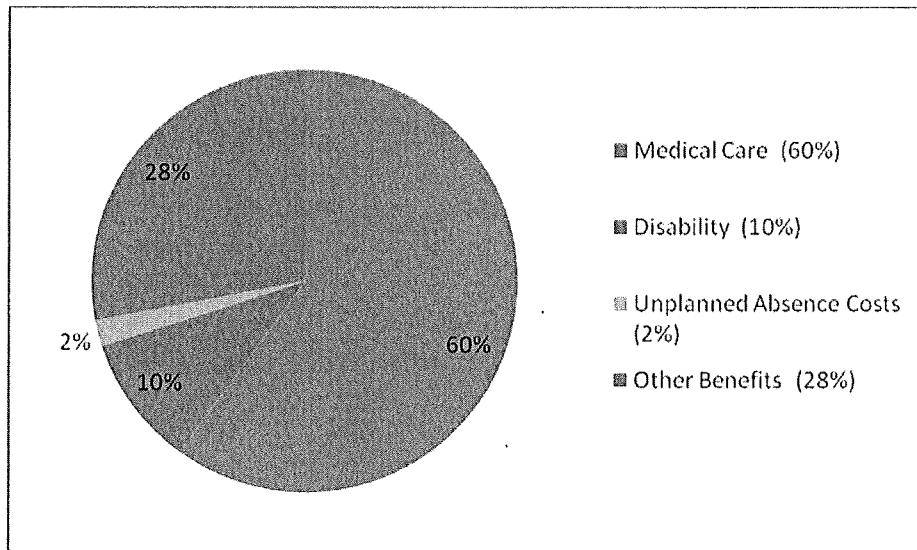
I have attached additional details about how the numbers would work on the program, but we have not finalized how the outreach would happen. I will follow up on that as details gel.

One last thing we're going to need from you it to make sure you've calculated the ROI on this program. We know it will be good, but don't forget...

ROI = All benefits/All Expenses

Additional Details about the Wellness program:

We see the cost of benefits for an average employee distributed as follows:



We did some research on typical results from wellness programs based on the characteristics of the populations. The population is divided into four groups:

- Chronically Ill – these people have diagnosed conditions such as heart disease, diabetes, severe depression, morbid obesity or back conditions.
- Unhealthy Habits – this category includes such people who smoke or are obese, sedentary, chronically stressed, indulge in risky behavior or have depression.
- Mean Well – Most members will be in this category. They don't exercise enough (or too much), could make more healthful food choices, could wear sunscreen more frequently, may have some stress, could be more faithful about health screenings and take other prudent measures to ensure a long and healthy life, but in general they try to do the best they can and most do not have any serious issues.
- Vigorously Healthy. This is the smallest group and they are a rare breed. They are at an appropriate weight, exercise frequently and reasonably, are current on health screenings, practice active stress management, have an active social network or other emotional support and have low risk for developing health issues.

Here are some tables that show some of the attributes of these people:

Prevalence and Likelihood of enrolling in a program

Employee Risk	Prevalence	Program Uptake
Chronically Ill	6%	15%
Unhealthy Habits	10%	20%
Mean Well	79%	10%
Vigorously Healthy	5%	15%

### Relative Cost Factors

Employee Risk	Medical Care	Absenteeism	Disability Costs
Chronically Ill	2.20	2.00	4.00
Unhealthy Habits	1.10	1.20	1.10
Mean Well	1.02	1.10	1.10
Vigorously Healthy	0.80	0.80	0.80

### Savings Estimates

Employee Risk	Medical Care	Absenteeism	Disability Costs
Chronically Ill	8%	10%	20%
Unhealthy Habits	15%	15%	20%
Mean Well	12%	20%	10%
Vigorously Healthy	1%	1%	1%

Email 8

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From: Ebenezer Scrooge <escrooge@greatexp.com >  
To: You <you@greatexp.com >  
Sent: March 20, 2012  
Subject: RE: Weight Loss Coaching Program

---

In talking to the Underwriter, I was able to obtain the following information about Little Dorrit Kipper Cannery:

- Current full-time employees: 100
- Average salary: 50,000
- Annual salary increase: 3%
- Marginal tax rate: 30%

Category	Obese	Overweight	Healthy
2011 Distribution	45%	30%	25%
% of days missed	10%	5%	2%
2011 Medical Cost/month	\$600	\$200	\$50

I also spoke to the Wellness Director and she stressed that the value of the program to the company is greatly enhanced by giving the employees an incentive to participate. We need to incorporate this into the ROI. Here are some numbers and assumptions I got from her that she obtained from Tiny Tim Weight Loss, LLC, a weight loss coaching vendor:

Category	Obese	Overweight	Healthy
Participation Rate (no incentives)	20%	4%	0%
Participation Rate (with incentives)	80%	60%	20%
Program Completion Rate	40%	30%	100%

- Cost of incentive: \$50 per participant
- Each employee who completes in the program shifts one category toward healthy.
- Cost of Weight Loss coaching program: \$10 PEPM

- Mr. Scrooge  
CFO, Great Expectations



Email 9

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From: Oliver Twist <[otwist@greatexp.com](mailto:otwist@greatexp.com)>  
To: Ebenezer Scrooge <[escrooge@greatexp.com](mailto:escrooge@greatexp.com)>  
Sent: March 21, 2012  
Subject: Weight Loss Coaching Program

---

Scrooge,

After dozens of discussions with the HR lead at Little Dorrit Kipper Cannery, I got them on board with the Wellness message. They seem ready to buy the Weight Loss Coaching Program. Only hindrance is their CFO needs an assurance that the program saves money, so we need to guarantee a strong ROI for them.

Can you put this together? Need something ASAP, as they're making a decision next week.

-Ollie

Email 10

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To: dl-Actuarial\_Department  
From: Wilkins Macawber <[wmacawbe@greatexp.com](mailto:wmacawbe@greatexp.com)>  
Sent: March 29, 2012  
Subject: Provider list

---

Attached is the provider information you asked for – names, specialties, reimbursement, and location. The material is current as of this month; I will let you know if anything changes. I am sure that if we put our minds to it we can get a solid network put together.

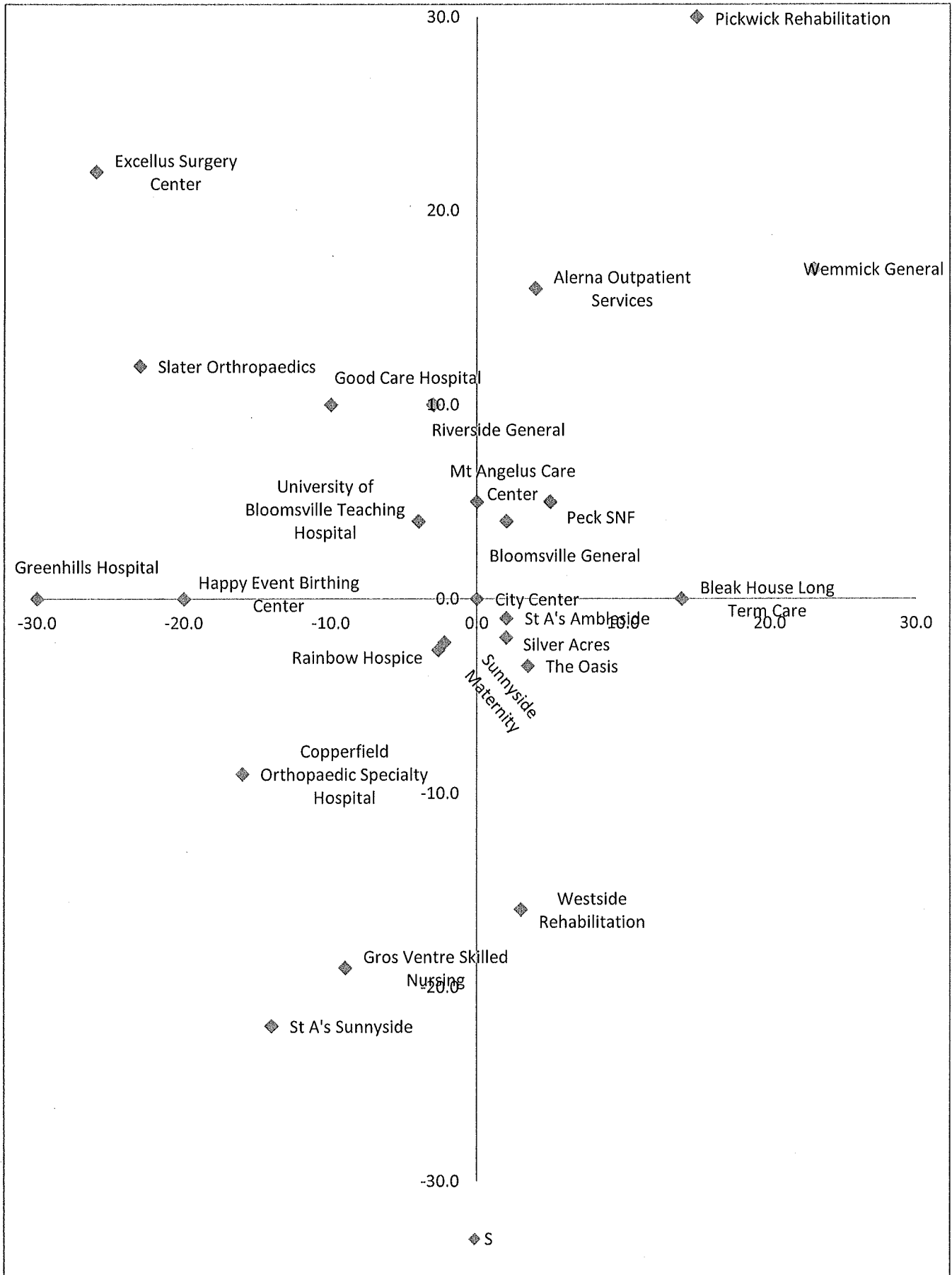
Call me if you have any questions.

Wilkie  
Executive Director  
Provider Contracting  
Great Expectations

Table 2

Hospitals Available for Contracting						
Hospital	Type of Hospital	Payment Method	Average Payment	Quality Score	% of claims under control	Distance From Center
Excellus Surgery Center	ASC	Per Case	\$ 3,310	A	40%	34.1 km NW
Silver Acres	Behavioral Health	Per Diem	\$ 1,200	B	40%	2.8 km SE
The Oasis	Behavioral Health	Per Diem	\$ 1,500	C	60%	4.9 km SE
Mt Angelus Care Center	Hospice	Per Diem	\$ 975	B	55%	5.0 km N
Rainbow Hospice	Hospice	Per Diem	\$ 1,075	A	45%	3.7 km SW
Bleak House Long Term Care	LTC	Per Diem	\$ 1,000	B	90%	14.0 km E
Sunnyside Maternity	Maternity	Per Case	\$ 3,000	A	37%	3.2 km SW
Happy Event Birthing Center	Maternity	Per Case	\$ 3,220	B	53%	20.0 km W
St A's Sunnyside	Primary	Discount from Charges	\$ 15%	B	40%	26.1 km SW
Greenhills Hospital	Primary	DRG	\$ 2,650	B	33%	30.0 km W
Wemmick General	Primary	Per Diem	\$ 900	A	27%	28.6 km NE
Pickwick Rehabilitation	Rehabilitation	Per Diem	\$ 650	B	40%	33.5 km NE
Westside Rehabilitation	Rehabilitation	Per Diem	\$ 700	A	60%	16.3 km SE
Good Care Hospital	Secondary	Discount from Charges	30%	C	26%	14.1 km NW
Riverside General	Secondary	DRG	\$ 4,300	B	41%	10.4 km NW
Bloomsville General	Secondary	Per Diem	\$ 1,375	B	33%	4.5 km NE
Peck SNF	SNF	Per Diem	\$ 450	D	20%	7.1 km NE
Gros Ventre Skilled Nursing	SNF	Per Diem	\$ 500	C	80%	21.0 km SW
Copperfield Orthopaedic Specialty Hospital	Specialty	Per Case	\$ 4,200	A	90%	18.4 km SW
Slater Orthopaedics	Specialty	Per Case	\$ 5,500	B	10%	25.9 km NW
Alerna Outpatient Services	ASC	Per Case	\$ 3,750	B	20%	16.5 km NE
University of Bloomsville Teaching Hospital	Tertiary	DRG	\$ 17,000	A	40%	5.7 km NW
St A's Ambleside	Tertiary	Per Diem	\$ 6,200	B	60%	2.2 km SE

# Map of Hospitals



Email 11

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From: Joe Gargey <jgargey@greatexp.com >  
To: Charles Dickens <cdickens@greatexp.com >  
Sent: March 15, 2012  
Subject: Rate Calculation Process

---

Dear Mr. Dickens,

After some initial market research, Great Expectations came to the conclusion that too many “bells and whistles” on our competitors’ Long-Term Care products cause a lot of confusion and make the products harder to sell.

In order to allow the sales agents to focus on the underlying need of Long-Term Care coverage, we made the strategic decision to only offer high-quality comprehensive products with minimal options. This makes it particularly easy to calculate the rates for our products.

Our products are sold in units of \$100 per-day, and partial units are allowed. To calculate the rate, you look up the base rate, which is a function of age-at-issue, benefit period, and inflation-protection option. That is then multiplied by the number of units chosen, a class-adjustment factor, a marital discount, an elimination-period factor, and the cash-benefit rider factor. The underwriter has no authority to deviate from these rates.

For example, say a 60-year old man purchases 1.5 units of coverage. He gets this with the 3-year benefit period, 5% compound inflation protection, and 180-day elimination period. He’s married and in the preferred rating class, and selects the cash benefit rider.

Using the rate book in the attached excel file, the final monthly rate would be:

$$\begin{aligned} \text{Rate} &= \text{base} \times \text{units} \times \text{class} \times \text{spouse} \times EP \times CB \\ &= 215 \times 1.5 \times 0.95 \times .85 \times .95 \times 1.1 \\ &= 272.14 \end{aligned}$$

Best wishes,

Joe

Table 4

Base Rate						
Issue Age	3-year BP			Lifetime BP		
	No IP	5% Simple	5% Compound	No IP	5% Simple	5% Compound
30	33	50	88	40	89	174
31	33	50	88	40	89	174
32	33	50	88	40	89	174
33	33	50	88	40	89	174
34	33	50	88	40	89	174
35	33	50	88	40	89	174
36	33	50	88	40	89	174
37	33	50	88	40	89	174
38	33	50	88	40	89	174
39	33	50	88	40	89	174
40	34	52	91	41	92	179
41	35	54	95	43	95	184
42	36	56	98	44	98	190
43	38	58	102	45	101	196
44	39	60	105	47	104	202
45	40	62	109	48	107	208
46	42	64	112	50	110	214
47	43	66	116	51	113	220
48	44	68	119	52	116	227
49	46	70	123	54	119	234
50	48	74	130	56	125	246
51	51	78	137	59	131	258
52	53	82	144	62	138	271
53	56	86	151	65	145	285
54	59	90	158	68	152	299
55	62	95	166	72	160	314
56	65	100	175	76	168	330
57	68	105	184	79	176	347
58	72	110	193	83	185	364
59	75	116	203	87	194	389
60	80	123	215	93	206	416
61	85	130	228	98	218	445
62	90	138	242	104	231	476
63	95	146	256	110	245	509
64	101	155	271	117	260	545
65	107	164	287	124	276	583
66	114	175	306	133	295	624
67	122	187	327	142	316	668
68	130	200	350	152	338	715
69	139	214	375	163	362	765
70	149	229	401	174	387	819
71	161	247	433	188	418	876
72	174	267	468	203	451	937
73	187	288	505	219	487	1003
74	202	311	545	237	526	1073
75	218	336	589	256	568	1148
76	241	370	648	281	625	1228
77	265	407	713	310	688	1314
78	291	448	784	341	757	1406
79	320	493	862	375	833	1504
80	352	542	948	412	916	1609

Table 5

<b>Class Adjustment</b>	
Preferred Plus	0.85
Preferred	0.95
Standard	1.15

<b>Spouse Adj Factor</b>	
Single	1.00
Married	0.85

<b>EP Factor</b>	
0-Day	1.17
30-Day	1.05
90-Day	1.00
180-Day	0.95

<b>Cash Benefit Rider</b>	
Yes	1.10
No	1.00

Email 12

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From: Mr. Wemmick <[jwemmick@greatexp.com](mailto:jwemmick@greatexp.com)>  
To: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>  
Sent: March 30, 2012  
Subject: LTD Table

---

Dear Mr. Dickens,

As you requested, attached (Table 6) is our LTD Reserves Table that we have just updated after concluding our recent experience analysis.

If you have any questions regarding the rates, please feel free to let me know.

Regards,

Mr. Wemmick



Table 6

**Great Expectations Initial LTD Reserve Table**

Elimination Period = 90 days

Initial Reserve for Open Claim per \$100 of Monthly Benefit

Great Expectations Reserves Table

Sex	Age	Claim Incident Rate (per 1000 lives)	Reserve (per \$100 monthly benefit)
F	<25	1.1	\$ 2,870
F	25-29	1	\$ 4,180
F	30-34	1.4	\$ 3,820
F	35-39	1.8	\$ 5,460
F	40-44	2.3	\$ 5,320
F	45-49	2.7	\$ 7,010
F	50-54	2.8	\$ 5,970
F	55-59	3.1	\$ 8,010
F	60-64	3.9	\$ 4,090
M	<25	0.8	\$ 2,890
M	25-29	1.2	\$ 3,580
M	30-34	1.2	\$ 3,770
M	35-39	1.5	\$ 4,740
M	40-44	2.4	\$ 5,190
M	45-49	2.7	\$ 6,440
M	50-54	3.1	\$ 5,860
M	55-59	3.7	\$ 7,160
M	60-64	4.5	\$ 3,510

Email 13

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From: Mr. Wemmick <[jwemmick@greatexp.com](mailto:jwemmick@greatexp.com)>  
To: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>  
Sent: March 30, 2012  
Subject: LTD Demographics and Benefits

---

Dear Mr. Dickens,

We have been asked to provide actuarial assistance for 2 companies that are considering merging, and they need to evaluate their long-term disability benefit offerings.

Attached, you will find company demographics (Table 7), as well as specifics around benefit plan design and claims experience for the companies (Table 8).

I am sure we will be in touch soon to discuss this information. In the meantime, if you have questions please feel free to contact me.

Sincerely,

Mr. Wemmick

Table 7

Company Demographics Table

Sikes & Dawkins Security Consultants Demographics

Sex	Age	# FTEs	Avg Salary
F	<25		
F	25-29	75	\$ 24,000
F	30-34		
F	35-39	75	\$ 36,000
F	40-44		
F	45-49		
F	50-54		
F	55-59		
F	60-64		
M	<25		
M	25-29		
M	30-34		
M	35-39		
M	40-44	100	\$ 45,600
M	45-49	50	\$ 48,000
M	50-54		
M	55-59		
M	60-64		

Fagin Security, Inc. Demographics

Sex	Age	# FTEs	Avg Salary
F	<25		
F	25-29		
F	30-34		
F	35-39	40	\$ 36,000
F	40-44	40	\$ 38,400
F	45-49		
F	50-54		
F	55-59		
F	60-64		
M	<25		
M	25-29		
M	30-34		
M	35-39		
M	40-44		
M	45-49	30	\$ 48,000
M	50-54		
M	55-59	10	\$ 72,000
M	60-64		

Tax Rates:

Working Employees	30%
Disabled Employees	20%

Table 8

Company Experience for the Last Five Years

LTD PLAN DESIGNS		
Description	Sikes & Dawkins	Fagin Security
Monthly benefit	50% of monthly salary	70% of monthly salary
Monthly maximum benefit	\$4,000	\$15,000
Elimination period	3 months	6 months
Cost of living adjustment	None	6%
Premium cost-sharing	100% employer paid	100% employee paid

Elimination Period = 90 days

Sikes & Dawkins Experience				
Year	Total Life-Years	Total Claims Paid	Total Reserves	Projection Interest Rate
2005	220	\$112,200	\$336,600	4.0%
2006	210	\$119,070	\$321,930	4.0%
2007	240	\$135,792	\$454,608	4.0%
2008	285	\$164,502	\$468,198	4.0%
2009	270	\$155,520	\$492,480	4.0%

Elimination Period = 180 days

Fagin Security Experience				
Year	Total Life-Years	Total Claims Paid	Total Reserves	Projection Interest Rate
2005	65	\$56,550	\$169,650	4.0%
2006	75	\$65,610	\$177,390	4.0%
2007	90	\$65,826	\$220,374	4.0%
2008	105	\$90,090	\$256,410	4.0%
2009	110	\$88,704	\$280,896	4.0%

**Credibility**

Great Expectations uses a Bayesian credibility with the assumption that  $k = 5,000$  life-years.

**Benefit Conversion**

Based on Great Expectations analysis, it is assumed that the differences in benefits between Sikes/Dawkins and Fagin (elimination period, maximum coverage, etc.) results in Sikes having a benefit worth 85% of Fagin's benefit, on average.

**Retention Requirement**

It is Great Expectations policy to load Group LTD rates with 14% retention charge for administrative expenses and margin.

Email 14

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From: Reginald M. Dombey IV <[rmdomb@dombsons.com](mailto:rmdomb@dombsons.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 31, 2012  
Subject: Prescription Drug Benefit Offering

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Hello, I was told to contact you regarding the pricing of our prescription drug benefit plan. We have managed to compile the information you asked for regarding the experience of our plan:

**Union Employees**

Drug Tier	Average Tier AWP	Average Annual Prescriptions per Employee
I	\$100	4.00
II	\$275	2.00
III	\$350	1.00

**Non-Union Employees**

Drug Tier	Average Tier AWP	Average Annual Prescriptions per Employee
I	\$100	3.00
II	\$250	2.00
III	\$300	0.50

Also, our current PBM, Tale Scripts gave me this information about our current prescription drug discounts to pass along to you:

**Tale Scripts Discounts**

Drug Tier	AWP Discount
I	70%
II	20%
III	15%

I want to take this opportunity to reiterate that we are first and foremost looking for opportunities to save costs. I am aware that your company utilizes a different PBM and the possibility of us switching to them for our prescription drug plan has been raised. If they can save us enough, we will consider it.

-Reginald  
Reginald M. Dombey IV  
VP of HR of Dombey and Sons

From: Ebenezer Scrooge <escrooge@greatexp.com >  
 To: You <you@greatexp.com >  
 Sent: April 2, 2012  
 Subject: RE: Two Cities Info

I talked to my contact at our PBM (Two Cities Rx) and he got the information you needed regarding their pricing:

**Two Cities Rx Discounts**

Drug Tier	AWP Discount
I	80%
II	15%
III	10%

Our contact mentioned that under the current Dombey benefit offering, they would expect the utilization and average cost of drugs to be the same as that experienced currently with their PBM (Tale Scripts). However, they indicated that by installing Two Cities Rx as the new PBM and making a change to the benefits would yield some savings. Below are the existing and proposed benefit designs from Two Cities Rx:

Existing:

**Union Employees**

Drug Tier	Copay*
I	\$5
II	\$20
III	\$30

**Non-Union Employees**

Drug Tier	Copay*
I	\$10
II	\$30
III	\$45

\*It is assumed that copays are always assessed, even if the cost of a specific drug is less than its discounted AWP.

Proposed:

Union Employees

Drug Tier	Copay*
I	\$5
II	\$30
III	\$50

Non-Union Employees

Drug Tier	Copay*
I	\$10
II	\$35
III	\$60

\*It is assumed that copays are always assessed, even if the cost of a specific drug is less than its discounted AWP.

Two Cities Rx states that if the new plan design is utilized, then about 30% of the utilization in drug tiers II and III for both the union and non-union plans would shift to alternatives in tier I, with these alternatives having an AWP 20% more than the current average AWP in tier I. Dombey's contact at Tale Scripts has stated that if this new plan design is used with its formulary it does not expect any utilization shift.

- Mr. Scrooge

Email 16

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From: Joseph Bagstock <jbagstock@dombsons.com >  
To: You <you@greatexp.com >  
Sent: March 18, 2012  
Subject: Medicare Advantage Quality Ratings -- IP Readmissions

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Hello, I appreciate the work you've done for me for our prescription drug pricing. I'm contacting you this time to help me with the Medicare Advantage (MA) medical plan that we offer to our retirees here at Dombey.

In case you are not aware, MA is a Medicare plan that Medicare-eligibles have from a private insurer that replaces government FFS (fee-for-service) Medicare. Those enrolled in MA get the same Part A and Part B benefits present in FFS Medicare, but with additional benefits such as a maximum-out-of-pocket. Often these plans are combined with a Medicare Part D prescription drug plan (called MA-PD), but they don't have to be. Member premium may or may not be associated with these plans.

The Centers for Medicaid & Medicare Services (CMS) recently modified their reimbursement mechanism to payers to include a Quality Bonus Payment (QBP). CMS will average 53 individual Stars (36 for MA and 17 for Part D) to come up with an Overall Star Rating for our plan. If our plan achieves at least 3 Stars, then we receive a bonus payment from CMS.

Now that you have some background, let's move on to the specifics. One of the star measures is for acute inpatient (IP) readmissions. I would like for you to help me figure out Dombey's Star Rating for IP readmissions. Here are definitions that you will find useful.

Readmission: Percentage of acute inpatient stays that are followed by an acute readmission (for any reason) within 30 days of discharge.

Time Period: This is a calendar year (CY) measurement. Admissions and discharges must occur from January 1 through December 31 of the measurement year. There is a 3 year lag between the measurement period and the applicable bonus period. So, CY 2010 data is used for 2013 reimbursement and pricing.

Observed Rate: The total number of 30-day readmissions divided by the total number of stays.

Adjusted Probability of Readmission: DRG Index \* Age Factor \* Sex Factor \* Geography Factor

Expected Rate: The average of all Adjusted Probabilities of Readmission for each stay.

CMS Star Rate: (Observed Rate/Expected Rate) \* National Average Observed Rate



Each stay has an expected probability of a readmission (called “DRG Index”) based on its DRG (diagnosis-related group). A DRG is assigned to each inpatient stay based on the diagnosis codes on the submitted facility claim. Stays within a particular DRG are expected to be clinically similar with patients utilizing a similar amount of facility resources. This is the system that Medicare (and other payers such as insurance companies) uses to reimburse hospitals.

Once we have the CMS Star Rate, we can determine our Star Rating for readmissions using the following chart.

<b>1 Star</b>	<b>2 Star</b>	<b>3 Star</b>	<b>4 Star</b>	<b>5 Star</b>
100%	30%	15%	10%	5%

As an example, if our CMS Star Rate is calculated to be 8%, then we get 4 Stars for IP acute readmissions. We would have to achieve less than a 5% CMS Star Rate to get 5 Stars, the highest measure. Anything above 30% gives us 1 Star, the lowest measure.

Although readmissions are just one of the 36 MA measures, each makes a contribution. Our Overall Star Rating was low last year and the clinical folks at Great Expectations tell me our readmission rate has a large opportunity for improvement. We are under a lot of pressure from Dombey and Great Expectations management to get capitalize on available CMS quality bonuses, which could be utilized to lower premiums and/or provide additional benefits in our plans.

Cornelia will be following up with you to provide you with data. When you receive it, please begin taking a look at. I will get back with you soon about this. Perhaps everyone is overreacting and don’t need to be concerned about anything.

- Joey

Director of Compliance  
Dombey and Sons, Inc.

Email 17

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From: Cornelia Blimber <cblimber@dombsons.com >  
To: You <you@greatexp.com >  
Sent: March 19, 2012  
Subject: Dombey MA IP Readmission Data and Factor Tables

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Hello-

As Joey promised, below you will find the acute inpatient stay data for 2010 as well as the demographic factor tables. At a later time, you will receive the DRG factors, which are just the probabilities of readmission for each DRG. But for now, you have enough to figure out how this stuff works so that you can get Joey what he needs quickly after you two talk.

**Dombey MA Hospital Stay Data (1/1/2010 – 12/31/2010)**

Stay	Member	Age	Sex	Geography	Admit Date	Discharge Date	DRG
1	John	68	M	East	1/2/2010	1/5/2010	2
2	Paul	92	M	South	2/1/2010	2/19/2010	1
3	Paul	92	M	South	3/6/2010	3/16/2010	9
4	Janice	75	F	East	3/18/2010	4/5/2010	9
5	Tony	70	M	West	4/19/2010	5/13/2010	2
6	Sandra	91	F	South	6/6/2010	6/27/2010	8
7	Sandra	91	F	South	7/20/2010	7/25/2010	2
8	Janice	75	F	East	8/3/2010	9/12/2010	9
9	Gladiola	75	F	South	8/12/2010	8/21/2010	5
10	Susan	65	F	West	8/20/2010	8/24/2010	2
11	Daisy	88	F	North	10/31/2010	11/25/2010	7
12	Bernie	69	M	North	11/11/2010	11/24/2010	8
13	Jim	67	M	East	12/9/2010	12/11/2010	10
14	Susan	65	F	West	12/12/2012	12/13/2012	3
15	Jim	67	M	East	12/16/2010	12/19/2010	6

## Demographic Factor Tables

<b>Geography Factors</b>	
North	1.02
South	1.05
East	1.00
West	0.97

<b>Age Factors</b>	
Under 70	0.95
70 to 80	1.00
80 to 90	1.05
Over 90	1.15

<b>Age/Sex Factors</b>	
M	1.05
F	0.98

Please let me know if you have any questions. I will be happy to help.

- Cornelia

Cornelia Blimber  
Business Analyst

From: Wackford Squeers <[wsqueers1@greatexp.com](mailto:wsqueers1@greatexp.com)>  
 To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
 Sent: April 1, 2012  
 Subject: POS Pricing

Good morning!

We've not had a chance to meet yet, but I'm Wackford Squeers, Vice President of Operations for Great Expectations. Mr. Dickens and Dr. Manette gave me your name and said that you could be of significant help to me. We are currently pricing our Medicare Advantage products for 2013. Our HMO plans have done well historically. But, last year, a key competitor introduced a POS (point-of-service) option that competed with our HMO plan. As a result, we lost a great deal of members to this plan. This is something that we were not expecting. Customer Insights and Innovations informed me that those who left our plan for the competitor POS plan desired the option to go to out-of-network providers.

Looking ahead to 2013, we are exploring offering a POS plan with the hopes of getting those members back into our plan. The sales folks think we could even grow membership if the price-point is right. I'm a little skeptical, but willing to give it a shot. I'm hoping you can represent the actuarial area by helping me answer some of the questions being asked by those of us trying to decide if we should do this.

GEIC's Executive Cost Team has already agreed to the following assumptions for 2013 pricing. You will want to use these.

<b>MA Annual Trend Assumptions</b>		
	<b>Allowed</b>	<b>Utilization</b>
Part A Services	5%	3%
Part B Services		
<i>Outpatient</i>	3%	-1%
<i>Physician</i>	2%	1%
<i>All Other</i>	2%	0%

<b>MA 2013 Admin/Profit Targets</b>	
Admin Expense	10%
Profit Target	5%

The Chief Actuary told me that we will use our 2011 HMO experience to price the POS plan. Here is our detailed 2011 MA HMO experience report.

<b>GEIC Medicare Advantage HMO - 2011 Experience Report</b>				
	<b>Net Paid PMPM</b>	<b>Mbr Cost Sharing</b>	<b>Allowed PMPM</b>	<b>Utilization PTMPY</b>
<b>Part A Services</b>				
Hospital	\$295.38	\$9.62	\$305.00	1,600 Days
Skilled Nursing Facility	\$20.00	\$1.00	\$21.00	400 Days
Home Health	\$45.00	\$0.00	\$45.00	3,500 Visits
<b>Part B Services</b>				
Ambulance	\$7.22	\$2.03	\$9.25	200 Trips
Medical Equipment/Supplies	\$14.55	\$3.45	\$18.00	20,000 Units
Outpatient - Emergency	\$25.00	\$2.00	\$27.00	500 Visits
Outpatient - Surgery	\$100.00	\$5.00	\$105.00	400 Visits
Outpatient – Lab	\$75.00	\$5.00	\$80.00	2,500 Visits
Physician - Primary Care	\$82.74	\$2.26	\$85.00	5,000 Visits
Physician - Specialist	\$118.15	\$1.85	\$120.00	2,000 Visits
Preventive Services	\$60.00	\$0.00	\$60.00	1,500 Visits
<b>Total</b>	<b>\$843.04</b>	<b>\$32.21</b>	<b>\$875.25</b>	

Product Development has analyzed the competitor's POS plan and has proposed the following benefit structure for the GEIC plan.

Service Category	Proposed 2013 Member Benefits	
	In-Network	Out-of-Network
<b>Part A</b>		
Hospital*		
Days 1 - 8	\$50 copay per day	20% coins
Days 9+	0% coins	
Skilled Nursing Facility*		
Days 1 - 10	0% coins	20% coins
Days 11+	\$20 copay per day	
Home Health	0% coins	0% coins
<b>Part B</b>		
Ambulance	\$100 copay	\$125 copay
Medical Equipment/Supplies	20% coins	40% coins
Outpatient - Emergency	\$50 copay	30% coins
Outpatient - Surgery	\$75 copay	30% coins
Outpatient - Lab	\$50 copay	30% coins
Physician - Primary Care	\$5 copay	\$15 copay
Physician - Specialist	\$10 copay	\$25 copay
Preventive Services	0% coins	0% coins

*\*Per day copays apply to each admission during the plan year.*

Network Operations is analyzing GEIC's historical experience for networked plans and are recommending an appropriate split of projected utilization and costs into in- and out-of network components. I will follow up later with that information once I obtain it.

I will let you know that most of the questions I'm getting involve how much the plan (and its associated benefits) cost to members and GEIC.

Cheers-

W. Squeers, CPA, MBA, MHP  
 Vice President of Operations  
 Great Expectations Insurance Company

[WWW.GEIC.COM](http://WWW.GEIC.COM)

*"Our expectations are greater"*

Email 19

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From: Cornelia Blimber <[cblimber@dombsons.com](mailto:cblimber@dombsons.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: April 3, 2012  
Subject: Days Continuance Tables

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Hello-

I hear you'll be answering some of the benefit and pricing questions about the POS offering that GEIC is considering. It must be a big deal if Mr. Squeers is coming straight to you!

Every year, I pull claim data and reset the continuance tables that the actuaries use for pricing. To value the cost of hospital and skilled nursing days, you'll need these tables. They are based on our historical Medicare experience.

<b>Hospital Days Continuance Table</b>	
Day	Utilization %
1	20%
2	25%
3	50%
4	58%
5	66%
6	71%
7	75%
8	80%
9	82%
10	85%
11	87%
12	88%
13	90%
14	91%
15	92%
.	.
.	.
.	.
∞	100%

<b>SNF Days Continuance Table</b>	
Day	Utilization %
1	6%
2	10%
3	15%
4	20%
5	25%
6	30%
7	35%
8	40%
9	45%
10	48%
11	50%
12	55%
13	60%
14	61%
15	65%
.	.
.	.
.	.
∞	100%

Here is how you use these tables:

Let's say you are pricing a \$15 per-day copay for the first 4 days of a hospital stay. This means no copay is required for days 5 and beyond in a single hospital stay. Using the above table, you would calculate an effective copay of  $\$15 \times 58\% = \$8.70$  meaning that an effective 58% of days spent in the hospital are copayable. The effective cost sharing (PMPM) would then be calculated as  $\text{Copay (effective)} \times \text{Utilization (PTMPY)} / 12,000$ .

As is the case with original (government provided) Medicare, SNF benefits typically have a \$0 copay charged for the initial days followed by copayable days within a single stay. As a result, the continuance table is used a little differently. Let's say you are pricing a per-day copay of \$0 for the first 5 days, but \$50 for days 6 through 120. Using the table, you would calculate an effective copay of  $\$0 \times 25\% + \$50 \times (1 - 25\%) = \$37.50$ . The effective cost sharing (PMPM) could then be calculated.

Let me know if you have any questions!

- Cornelia



From: Dr. Alexander Manette <amanette@greatexp.com >  
 To: You <you@greatexp.com >  
 Sent: March 18, 2012  
 Subject: Pricing Help

It is that time of the year again! Thanks so much for all of the pricing help you've given us this past year. I don't always like your numbers, but I know you like to tell me what I need to hear, not what I want to hear. As we gear up for pricing the 2013 National HMO plan, I need your help again.

Great Expectations (GEIC) management recently got together and reviewed the experience reports and pricing assumptions. Here are the ones you'll be interested in.

<b>GEIC National HMO - 2011 Experience Report</b>		
	<b>Utilization (PTMPY)</b>	<b>Cost per Unit (to GEIC)</b>
<b>Inpatient Services</b>		
Hospital	225 Admits	\$6,800
Skilled Nursing Facility	15 days	\$600
<b>OP Services</b>		
ER	250 cases	\$2,800
Surgery	150 cases	\$3,500
ER with observation <sup>1</sup>	100 cases	\$3,300
Surgery with observation	150 cases	\$3,900
Other	400 cases	\$280
<b>Physician Services</b>		
	2,500 visits	\$85
<b>Prescription Drugs</b>		
	2,985 scripts	\$60

<b>GEIC National HMO Annual Trend Assumptions</b>		
	<b>Utilization</b>	<b>Unit Cost</b>
Inpatient Services <sup>2</sup>	4%	5%
Outpatient Services	-1%	-3%
Physician Services	1%	2%
Prescription Drugs	5%	6%

<sup>1</sup> "With observation" identifies a distinct service categorization. For example, a member visiting the ER who is also admitted to observation afterwards is distinct from a member who just visits the ER.

<sup>2</sup> Utilization trend for inpatient applies to both days and admits.

<b>GEIC National HMO 2013 Projected Cost Structure</b>	
Fixed Admin (PMPM)	\$11.00
Capitation Expense (PMPM) <sup>3</sup>	\$15.00
Variable Admin	5.30%
Profit Target	3%
Member Months	225,000

I've had several conversations with Mr. Dickens, and he said that growing the membership in this plan is a must in 2013. There is also desire to keep benefits and member premium flat. Given the trends we've seen over the last several years, that's a tall order. But, he feels that GEIC care management practices can help close the gap. Despite the look on my face, Mr. Dickens just said, "get 'er done!"

So after meeting with my Clinical Investigation Unit (CIU), we are going to implement a program in 2013 to divert inpatient hospital admissions to observations. When our members go the emergency room or have outpatient surgery, there are occasions where they are then subsequently admitted to the hospital. The CIU believes that some of these admissions are not medically necessary, and that quality care could instead take place in observation. Observations are much less expensive than admissions. We have also been observing much smaller outpatient trends relative to the inpatient setting.

I will get back to you soon with specific details about this program. For now, just be aware that we will be looking to shift a certain number inpatient admissions to outpatient observations. The anticipated savings will either be used to lower member premiums or will be used as additional margin to offset the premium tax that GEIC has to pay in 2014 due to the PPACA.

Think hard about this stuff, and I will talk to you soon.

Regards.

-Alex

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<sup>3</sup> Capitation is additional expense GEIC is incurring for certain disease and care management programs. Since the programs are used to reduce underlying medical claims expense, regulations require GEIC to report it as a benefit expense.

Email 21

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From: Dr. Alexander Manette <[amanette@greatexp.com](mailto:amanette@greatexp.com)>  
To: You  
CC: Charles Dickens <[cdickens@greatexp.com](mailto:cdickens@greatexp.com)>; Wackford Squeers  
<[wsqueers1@greatexp.com](mailto:wsqueers1@greatexp.com)>  
Date: April 5, 2012

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Good morning-

We are looking to implement clinical programs for our Medicaid population. Currently, the Medicaid population can be divided into three risk segments: High Risk, Medium Risk, and Low Risk.

In this population, the most prevalent diseases are coronary artery disease (CAD), congestive heart Failure (CHF), chronic obstructive pulmonary disease (COPD), and diabetes.

Members with at least one unmanaged or high severity condition are considered High Risk. Members with a well-managed or moderately severe condition are considered Medium Risk. Members with low severity or no conditions are considered Low Risk.

The 2011 population of Medicaid members is distributed in risk segments as follows:

	Number of Members
High Risk	200
Medium Risk	300
Low Risk	500

Their 2011 annual claims cost is shown below:

	Inpatient	Skilled Nursing Facility	Rehab	Outpatient	Pharmacy	Emergency Room	Lab	Physician Visits
High Risk	\$3,030	\$590	\$430	\$2,000	\$750	\$190	\$270	\$1,020
Medium Risk	\$1,212	\$351	\$129	\$600	\$375	\$38	\$81	\$306
Low Risk	\$145	\$32	\$18	\$95	\$33	\$8	\$13	\$53

Expected annual trends for these populations and service categories are below:

	Inpatient	Skilled Nursing Facility	Rehab	Outpatient	Pharmacy	Emergency Room	Lab	Physician Visits
High Risk	3%	6%	10%	15%	5%	15%	20%	5%
Medium Risk	5%	5%	5%	12%	10%	10%	20%	5%
Low Risk	10%	4%	3%	10%	15%	8%	18%	5%

We are currently looking to implement:

- A chronic disease management program for High Risk members, where the focus will be on reducing costs related to Inpatient, Skilled Nursing Facility, and Rehab.
- A disease management program for Medium Risk members, which will be focused on reducing costs in Skilled Nursing Facility, Outpatient, and Pharmacy.
- A wellness program for Low Risk members which will encourage members to go to the doctor more; hence, Pharmacy, Lab, and Physician Visits will likely increase.

The actuaries working with the clinical team have projected the following impacts on claims costs as a result of the programs:

	Inpatient	Skilled Nursing Facility	Rehab	Outpatient	Pharmacy	Emergency Room	Lab	Physician Visits
High Risk	-5%	-10%	-15%	n/a	n/a	n/a	n/a	n/a
Medium Risk	n/a	-10%	n/a	-10%	-20%	n/a	n/a	n/a
Low Risk	n/a	n/a	n/a	n/a	25%	n/a	25%	50%

I'm told you've been involved with some clinical studies that Great Expectations has performed and have the right experience to help my team do some important work.

I will be in touch.

Thanks-

Alex

Email 22

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From: Roger Cly <[rcly@greatexp.com](mailto:rcly@greatexp.com)>  
To: You <[you@greatexp.com](mailto:you@greatexp.com)>  
Sent: March 26, 2012  
Subject: Dombey and Sons, Inc.

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Good morning.

My name is Roger Cly and I currently serve as GEIC's Lead Sales Representative for Major and National Accounts. I wanted to pass along some information for a prospective client.

Attached is the group's experience for calendar year 2011. They have a \$1200 high deductible health plan with a \$300 employer HSA contribution. There is no coinsurance. All employees are required to enroll, but there is not any dependent coverage.

Risk Category	Employees	Average Plan Paid Claim	Total Plan Paid Claims	Premium (excluding HSA)	HSA_\$300
A	250	\$ 250	\$ 62,500	\$ 375,000	\$ 75,000
B	150	\$ 750	\$ 112,500	\$ 225,000	\$ 45,000
C	90	\$ 2,500	\$ 225,000	\$ 135,000	\$ 27,000
D	10	\$ 20,000	\$ 200,000	\$ 15,000	\$ 3,000
Total	500	\$ 1,200	\$ 600,000	\$ 750,000	\$ 150,000

Welcome aboard and I look forward to working with you in the future.

Thank you,

RC