

Crown Equipment Corporation

HealthWise Program Review

12 March 2008



Crown Equipment Corporation

Facts and Figures



- Located in New Bremen, Ohio
- Approximately 6,000 employees in the USA
- Manufactures battery powered material handling equipment
- \$1.5 billion privately owned business
- 8 Manufacturing Plants in the New Bremen Area
- 3 Manufacturing Plants outside of Ohio (IN & NC)
- 40 Branches located in 20 States





Learning Objectives

- Provide understanding about our HealthWise Program, a next generation HMP.
- Demonstrate a reduction in risk factors within the Crown population.
- Demonstrate an improvement in medical costs within the Crown population.
- 4. Allow time for Q&A to insure that all attendees understand the success of HealthWise.

Key Factors for Success

- 1. Senior Management Support
- 2. Cross-functional Committee
- 3. Alignment with HMRC
- 4. Appropriate Incentives
- 5. Alignment of Benefits
- 6. Development of Key Measurements
- 7. Manager & Support Staff



Components of HealthWise

- Appropriate Incentives
- 2. Health Risk Appraisal (HRA)
- 3. Wellness Screening
- 4. Health Advisor
- 5. <u>HealthWise Website</u>
- 6. Vending improvements



1. Appropriate Incentives

a. Health Benefit Credit (annual):

\$520

- •Employee \$325
- •Spouse \$195
- b. Cash Award for Health Advising:

\$100

- Estimate 35% of our population
- •Roughly 2,700 employees & spouses
- c. Subway Card for the Healthy:

\$10

-About 1,500 employees



Facts About Other Components

Health Risk Appraisal [University of Michigan – 56 questions]

Wellness Screenings

[BP, cholesterol profile, FBS, waist circumference] [4 manufacturing & 40 branch locations]

Health Advisor – Stratification Criteria

[HRA follow-up call and 35% total at risk calls] [Smoker, BMI \geq 35, Metabolic Syndrome, or \geq 4 risks]

HealthWise Website

[Resources – VFC, Online Coaching, Global Fit]

Vending Improvements





Welcome...
to the
Grown HealthWise
Resource Center
Here you will find the many
resources available to you and
your family for a healthler,
happier life. Just click on any
of the resources listed for
additional information.

Featured Healthwise Resources

Virtual Fitness Center

The Virtual Fitness Center (VFC) is an interactive health and fitness tool. Visit the many "rooms" within the VFC including activity logging and "Ask Our Pros". As a member, you can take part in three health and fitness challenges offered throughout the year.

Gordian Health Solutions

The Healthy Living Programs offered by Gordian Health Solutions and Miavita offer a personalized experience to help you meet your health needs and objectives. Here you can select a program to help you manage your weight, lower your cholesterol levels, boost your metabolism, reduce the affects of stress, or reduce your risk of disease.



Click To Enter



Click To Enter

HealthWise resources are offered to Crown Equipment Corporation employees and family only.

HealthWise Resources

mvUMR

Access your personal healthcare benefit information including Baby & Me - a Healthy Pregnancy Program.

Express Scripts

This site helps you lower your out of pocket costs for drugs by making wise healthcare choices. You can also transfer your prescriptions to mail order without leaving your home.

· Behavioral Health System

This site offers information and service to help you make and sustain changes that benefit your behavioral health and well-being.

BHS Work/Life

Part of the BHS website, this section provides information on a variety of work life issues such as child care, elder care, legal planning and financial planning.

GlobalFit Network

This benefit helps you find join fitness clubs at reduced rates and offers discounts on home exercise equipment. Explore GlobalFit's full range of healthy living programs.

HealthWise Benefit Credit

Find out all you need to know about the 2008 requirements to earn the HealthWise Benefit Credit.

HealthWise Success

Read stories on how individuals have made positive health changes by participating in Crown's HealthWise Program. Share your story to help motivate and inspire others to make healthy choices.

Health Tip Of The Month

These quick tips are designed to help you and your family stay healthy.

Need more information or have another question? Contact healthwise@crown.com , 419-629-6330 or fill out the online form.

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HealthWise Website

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Vending Improvements

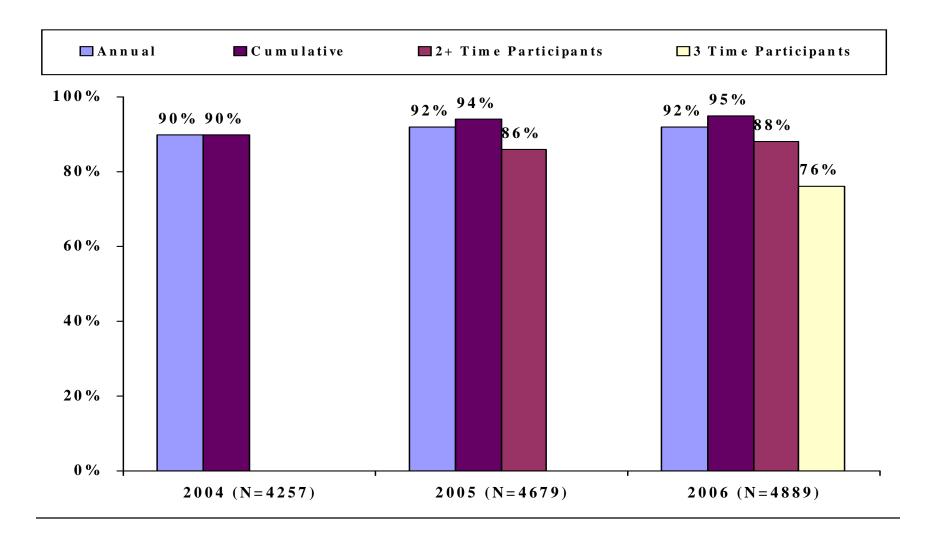


Program Participation

- 1. HRA/Wellness Screening
- 2. HRA Follow-Up Call
- 3. Additional Health Advising
- 4. YMCA Initiative
- 5. Risk Status/Transition



Cumulative HRA Participation



Health Advising Statistics - 2007

Average Contacts/6 Month Participant	5.1	
Average Contacts/Participant	3.7	
Completed 6 Month Program	1751	(81.4%)
Enrolled in 6 Month Program	2151	(29.5%)
Completed HRA Follow-Up Call	7301	(95.6%)
HRA Completers	7641	

New Bremen, OH 45869 USA

Health Advising Outcomes (self-reported)

Goals – made progress or achieved	85%
Weight – maintained or reduced	72%
Activity – maintained or increased	70%
Nutrition – maintained or improved	64%
Perception- maintained or improved	19%

Stress – maintained or improved



12%



- 2005 4 new memberships
- 2006 12 new memberships
- 2007 32 new memberships
- 2008 25 new memberships

YMCA requesting November/December as free months

HRA Risk Status 2004 – 2007: #1

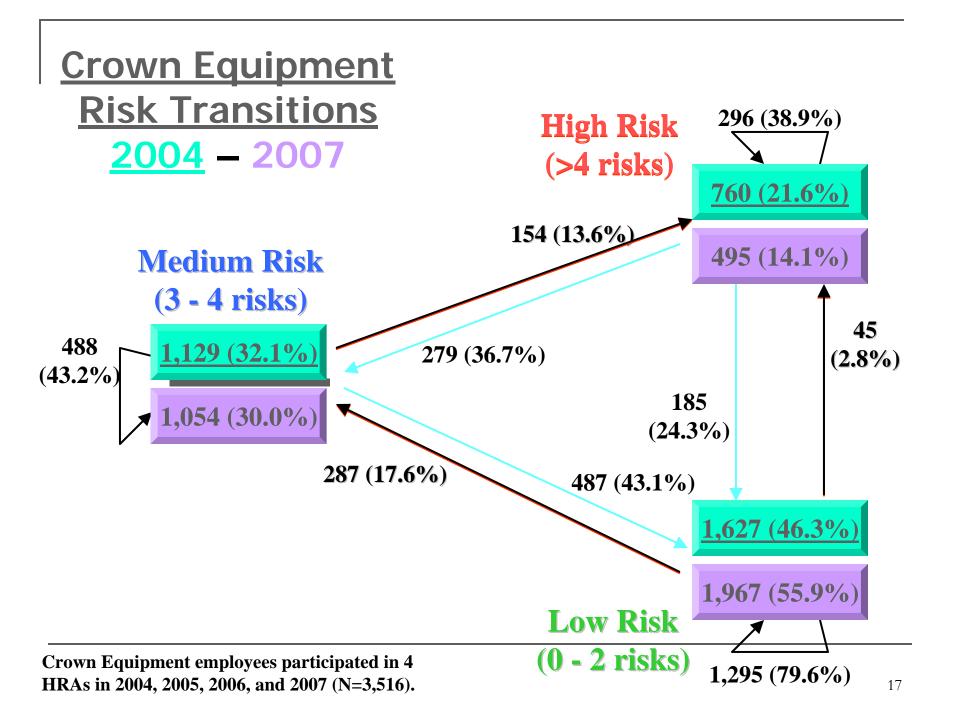
Each Year HRA Participants

Risk Status	Year 2004	Year 2005	Year 2006	Year 2007
	(N=4,498)	(N=4,865)	(N=5,241)	(N=7,641)
Existing Medical Conditions	7.0%	7.3%	6.9%	8.0%
Smoking	20.9%	21.0%	20.8%	18.1%
Physical Activity	17.7%	14.4%	13.6%	14.9%
Body Weight	50.3%	50.3%	50.4%	49.8%
Blood Pressure	38.0%	34.7%	35.5%	33.1%
Perceived Health	12.4%	11.8%	11.3%	11.2%
Stress	30.2%	26.6%	24.8%	21.4%
Alcohol	7.0%	5.9%	5.1%	3.6%
Cholesterol	15.9%	16.3%	13.4%	12.2%
Life Satisfaction	20.9%	17.4%	15.4%	13.3%
Illness Days	5.4%	5.2%	5.1%	4.8%
Safety Belt Use	41.7%	36.1%	32.5%	26.9%
Health Age Index	10.1%	7.3%	7.2%	5.7%
Medication/Drug for Relaxation	11.1%	11.5%	11.2%	13.1%

HRA Risk Status 2004 – 2007: #2

Each Year HRA Participants

-	_		-	•
	Year 2004	Year 2005	Year 2006	Year 2007
	(N=4,498)	(N=4,865)	(N=5,241)	(N=7,641)
Job Satisfaction	17.1%	12.9%	11.0%	9.7%
0 risk	7.1%	9.5%	10.9%	12.8%
1 risk	16.7%	17.9%	19.4%	22.1%
2 risks	21.4%	22.7%	23.1%	23.5%
3 risks	18.8%	18.7%	18.3%	17.1%
4 risks	13.6%	13.6%	12.4%	10.9%
5 risks	10.2%	8.3%	7.9%	6.7%
6+ risks	12.2%	9.2%	8.0%	7.0%
Risk Levels				
Low Risk (0-2 risks)	45.2%	50.1%	53.4%	58.3%
Medium Risk (3-4 risks)	32.4%	32.3%	30.7%	28.0%
High Risk (5+ risks)	22.4%	17.5%	15.9%	13.7%
Average Risk	3.1	2.8	2.6	2.5
Average Wellness Score	77.3	80.7	80.9	82.3
Average Age	40.1	40	39.8	40.3



Crown Data 2004-2007

- Metabolic Syndrome
- 2. Health Care Cost Trends
- 3. Potential Cost Savings







Identification of Metabolic Syndrome Any 3 of the following:

Risk Factor

Defining Level

1. Waist Size

Men

Women

> 40 in (>102 cm)

> 35 in (>88 cm)

2. <u>Triglycerides</u>

 \geq 150 mg/dL

3. <u>HDL</u>

Men

Women

< 40 mg/dL

< 50 mg/dL

4. Blood Pressure

<u>></u> 130 / 85 mm Hg

5. Fasting Glucose

<u>></u> 110 mg/dL

Metabolic Syndrome Risks Factors 2004

Risks	Number of people at risk		
0 risk	772	23.5%	
1 risk	789	24.0%	
2 risks	741	22.6%	
3 risks	552	16.8%	
4 risks	316	9.6%	
5 risks	115	3.5%	
Without Metabolic Syndrome	2,302	70.1%	
With Metabolic Syndrome	983	29.9%	
Totals	3,285	100.0%	

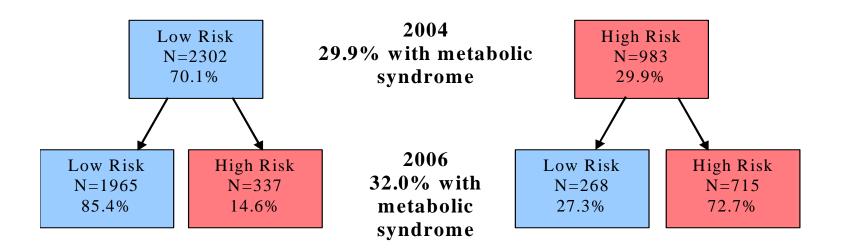
^{*}significantly different (p<.05) than those without metabolic syndrome, after controlling for age, gender and ethnicity.

Metabolic Syndrome Risks Factors 2006

Risks	Number of people at risk		
0 risk	770	21.3%	
1 risk	813	24.7%	
2 risks	720	21.9%	
3 risks	580	17.7%	
4 risks	355	10.8%	
5 risks	117	3.6%	
Without Metabolic Syndrome	2,233	68.0%	
With Metabolic Syndrome	1,052	32.0%	
Totals	3,285	100.0%	

^{*}significantly different (p<.05) than those without metabolic syndrome, after controlling for age, gender and ethnicity.

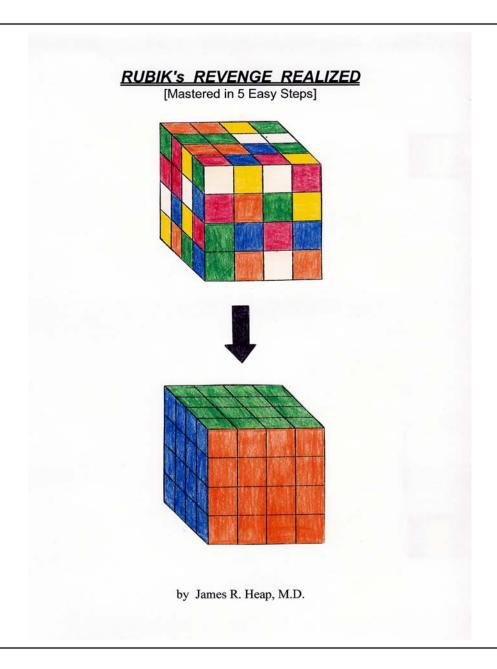
Metabolic Syndrome Prevalence from 2004 to 2006

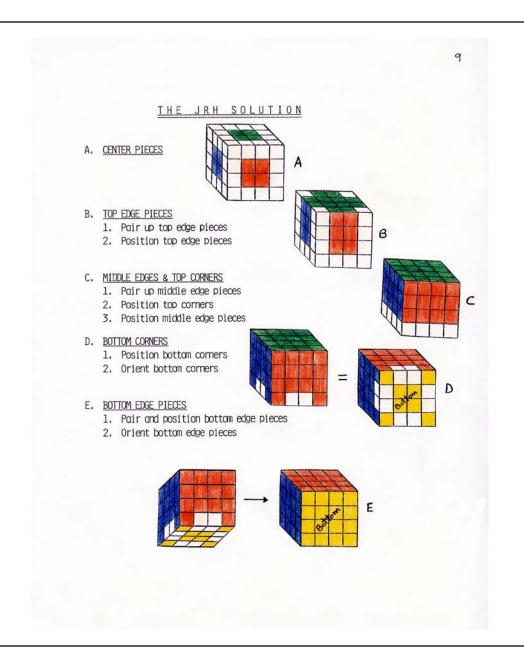


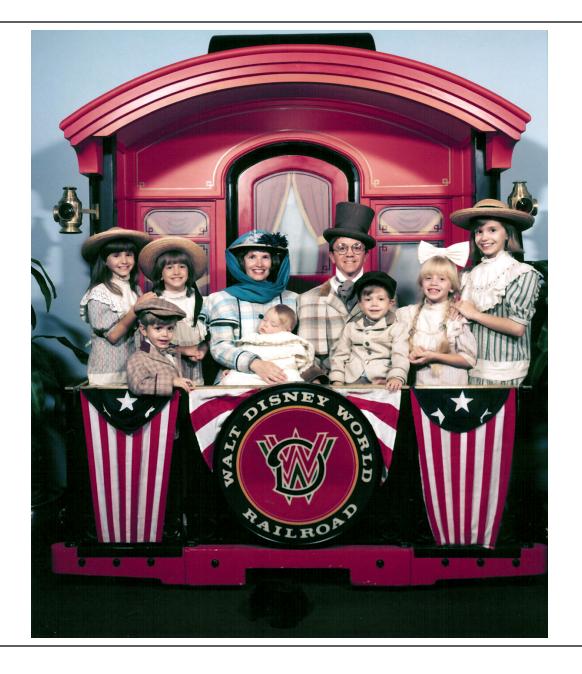
The prevalence of metabolic syndrome increased from 29.9% in 2004 to 32.0% in 2006. Among those who were low risk in 2004, 15% of them moved to high risk in 2006. On a positive note, among the 983 individuals who were high risk in 2004, 27.3% of them reduced enough risks to be considered low risk in 2006.

Metabolic Syndrome By Risk Factors 2004 to 2007

Risk Factors	2004	2007
0 risk	772	1,911
1 risk	789	2,182
2 risks	741	1,725
3 risks	552	1,103
4 risks	316	470
5 risks	115	109
Without Metabolic Syndrome	2,302 (70.1%)	5,818 (77.6%)
With Metabolic Syndrome	983 (29.9%)	1,682 (22.4%)
Totals	3,285 (100.0%)	7,500 (100.0%)

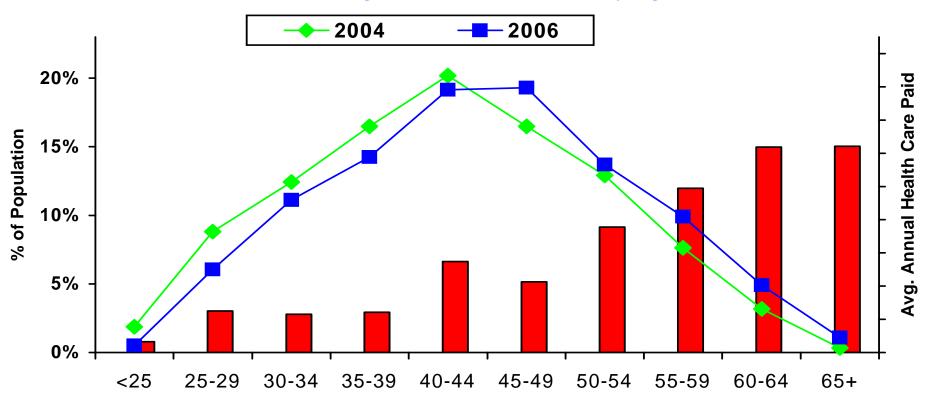




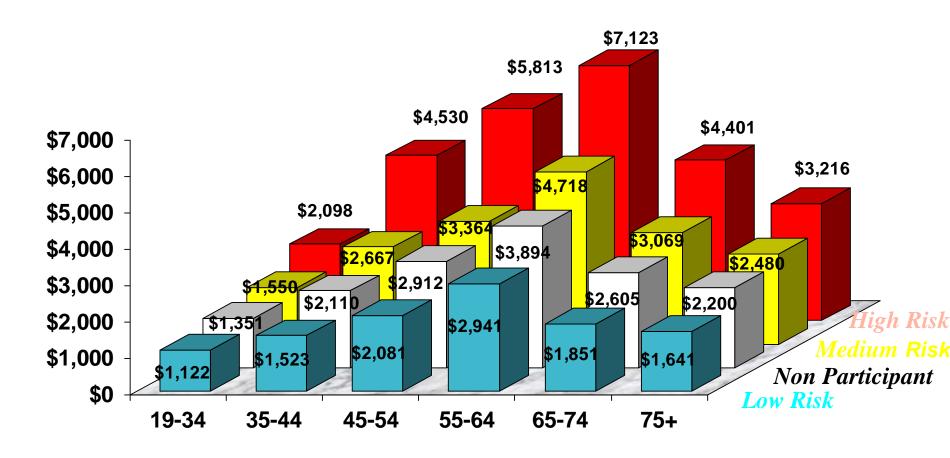


Health Care Cost Trends

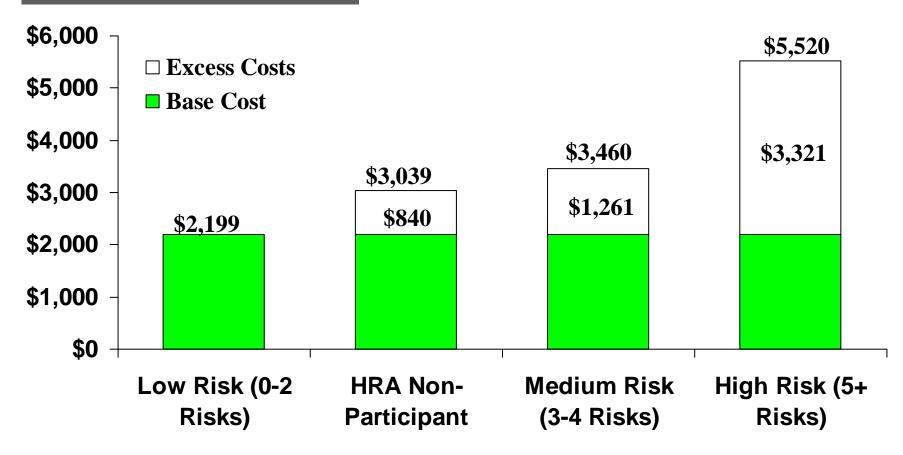
Distribution of Average Annual Health Costs by Age



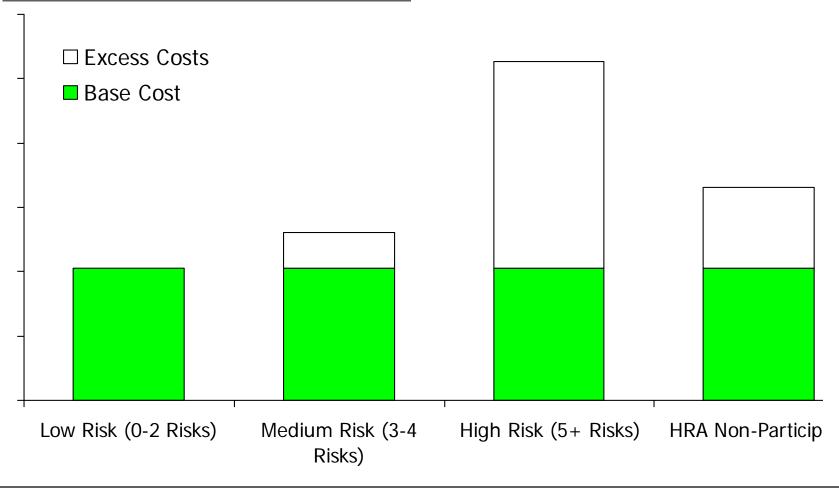
Costs Associated with Risks Medical Paid Amount x Age x Risk



Excess Medical Costs due to Excess Risks



Excess Health Care Costs due to Excess Risks

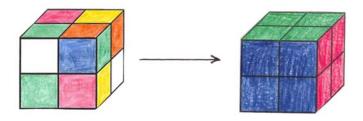


Crown Equipment Corporation: 2004 - 2006

Mini

Rubik's

Solution



James R. Heap November 2007

C. The JRH Solution

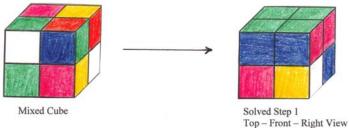
Now we will look at the 3-step solution for the Mini Rubik's Cube. Each step is merely a combination of moves. The written 3-step solution is:

- 1. Step 1: Position and orient top 4 corners
- 2. Step 2: Position bottom 4 corners
- 3. Step 3: Orient bottom 4 corners

Next I will provide the moves associated with each step and some illustrations.

1. Step 1: "Position and orient top 4 corners"

Most of you are familiar with the Rubik's Cube (3x3). Therefore, you already know how to complete this step for the Mini Rubik's Cube. For those that are not familiar with the Rubik's Cube, I am confident that you will be able to solve this step on your own as you experiment with the Mini Rubik's Cube.



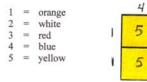
2. Step 2: "Position bottom 4 corners"

Before listing the moves associated with step 2, I would like to explain how I look at the cube to determine the best move(s) to complete steps 2 and 3. To complete steps 2 and 3 you must fully understand how to analyze the corner pieces on the bottom face. In my illustrations below, we are looking at the bottom face. The numbers around the cube bottom indicate colors as follows:

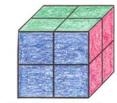
- 1 = Left face color
- 2 = Back face color
- 3 = Right face color
- 4 = Front face color
- 5 = Bottom face color

In a solved Mini Rubik's Cube, if green is the top face and blue is the front face, then the numbers represent the following colors:

3



Bottom View



Top - Front - Right View

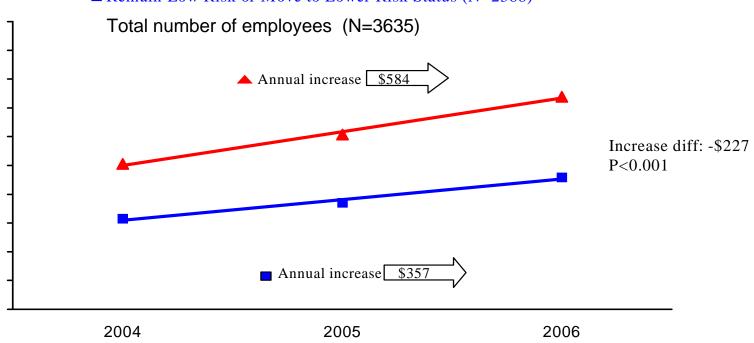
6



Adjusted Average Annual Health Care Paid

Adjusted* Average Annual Health Care Paid By Changes in overall risk status

- ▲ Remain High/Medium Risk or Move to Higher Risk Status (N=1247)
- Remain Low Risk or Move to Lower Risk Status (N=2388)



Potential Cost Savings from Movement to Low Risk

 Difference in cost between high/medium risk and low risk employees at Crown Equipment Corporation:

a) 2004: \$949 / employee

b) 2005: \$1,181 / employee

c) 2006: \$1,402 / employee

d) 2007: \$1,629 / employee (estimated)

2) Number of employees who moved to low risk:

a) Risk Transitions 2004-2007: 340 employees

b) Natural Flow 2004-2007: 81 employees

[Natural flow over 3 years is -5.0%]

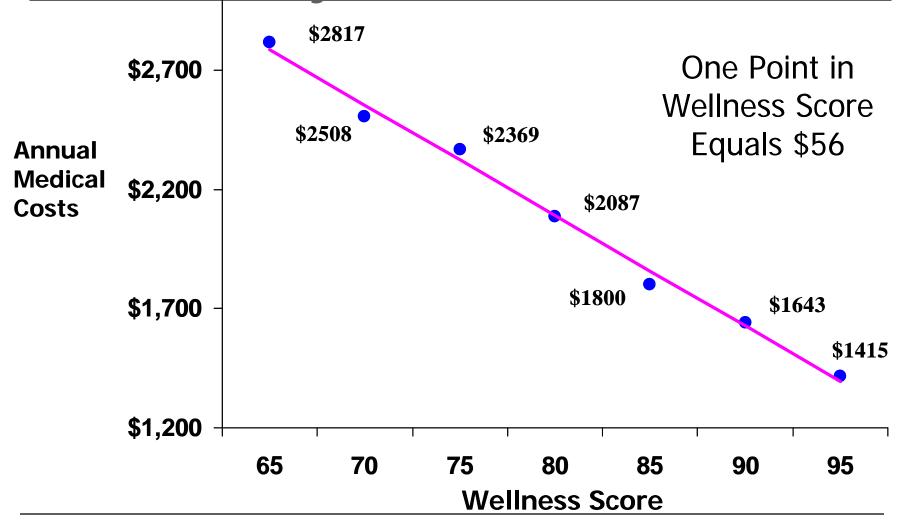
c) Total number: 421 employees

3) Potential Cost Savings:

a) Conservative number = $340 \times $1,629 = $553,860$

b) Approximate number = $421 \times $1,629 = $685,809$

Relationship Between Annual Medical and Pharmacy Costs and Wellness Score



Crown Average Wellness Score

Four Time HRA Participants

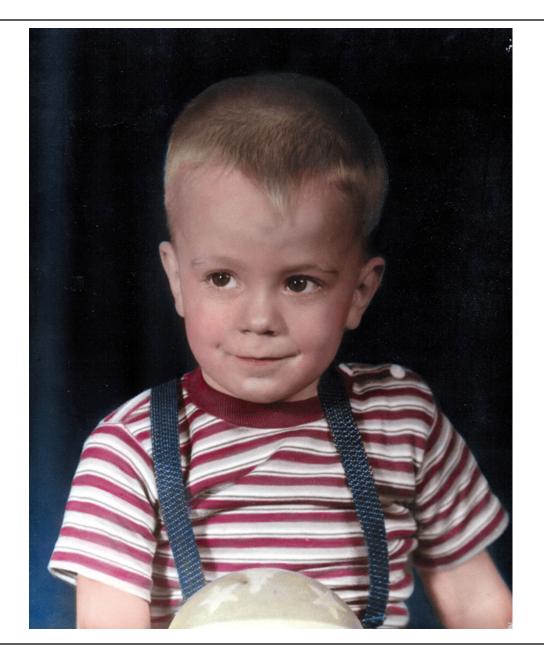
<u>Year</u>	<u>2004</u>	<u> 2005</u>	<u> 2006</u>	<u>2007</u>
Average	77.2	80.7	80.9	81.4
Wellness Score				
Number of Employees	3,516	3,516	3,516	3,516
Average Age	40.7	41.6	42.6	43.5

Statistics

- 1) One point in wellness score = \$56 / employee
- 2) Improvement of 4.2 points between 2004 and 2007
- 3) Potential cost savings = $$56 \times 4.2 \times 3,516 = $826,963$

Summary Questions & Answers

- 1. Are we making a difference at Crown?
 - a. Risk Factors
 - b. Health Care Costs
- 2. Is there more work to be done at Crown?
 - a. Keep participation at > 90%
 - b. Move the low risk group to 80%
 - c. Improve the overall wellness score
 - d. Keep the low risk people low risk
- 3. Who benefits from our HealthWise Program?
 - a. Employees
 - b. Employer





or

Preguntas y Respuestas





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Karen O'Flaherty Karen.o'flaherty@crown.com 419-629-2311



Health Risks and Behaviors

Health Risk N	Ieasure	High	Risk	Criteria

Alcohol More than 14 drinks/week

Blood Pressure Systolic >139 mmHg or Diastolic >89 mmHg

Body Weight $BMI \ge 27.5$

Cholesterol Greater than 239 mg/dl

Existing Medical Problem Heart, Cancer, Diabetes, Stroke

HDL Less than 35 mg/dl

Illness Days >5 days last year

Life Satisfaction Partly or not satisfied

Perception of Health Fair or poor

Physical Activity Less than one time/week

Safety Belt Usage Using safety belt less than 100% of time

Smoking Current smoker

Stress High

OVERALL RISK LEVELS

Low Risk 0 to 2 high risks

Medium Risk 3 to 4 high risks

High Risk 5 or more high risks

Disability Trends Related to Change in Risks

(Among two time HRA Participants, N=3281)

