

# MANAGING HEALTH RISK IN THE POST REFROM ERA

Presented by Christian Moreno, Lockton Companies



L O C K I O N C O M P A N I E S

## ASSUMPTION OF RISK – PLAN SPONSORS

The Real Employer Mandate

Brief History – Risk Management

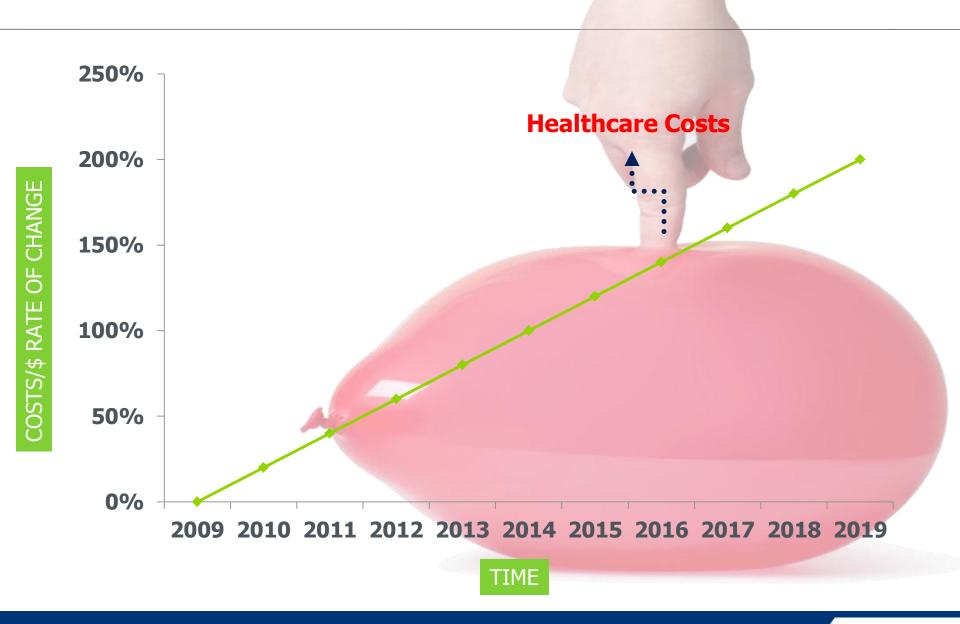
The Current Picture

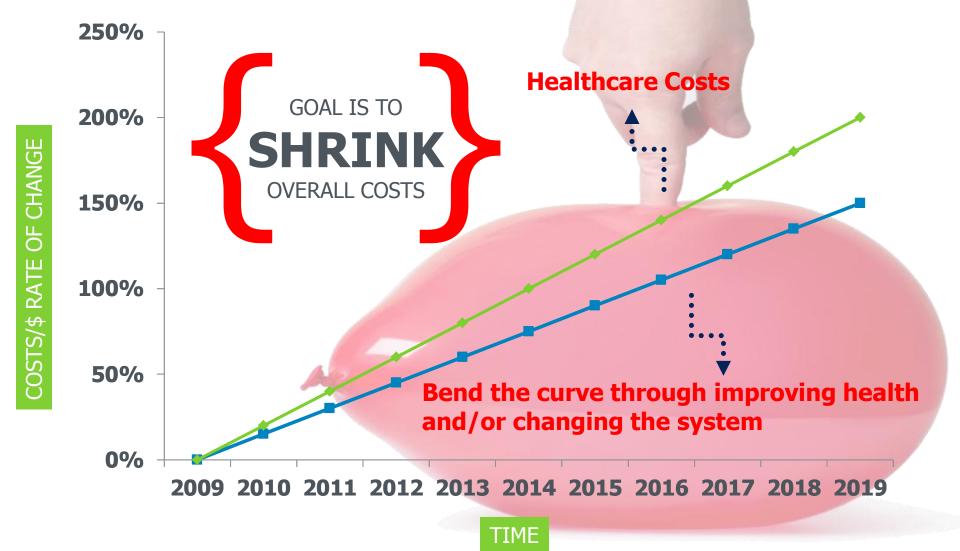
## RISK MITIGATION – EMERGING STRATEGIES

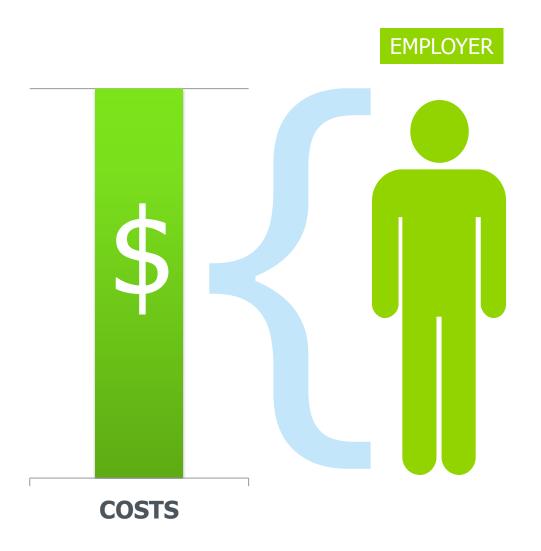
Evaluating New Strategies
Rx, Obesity Surgery & Contingent Wellness
Benefit Designs and Economic Impact



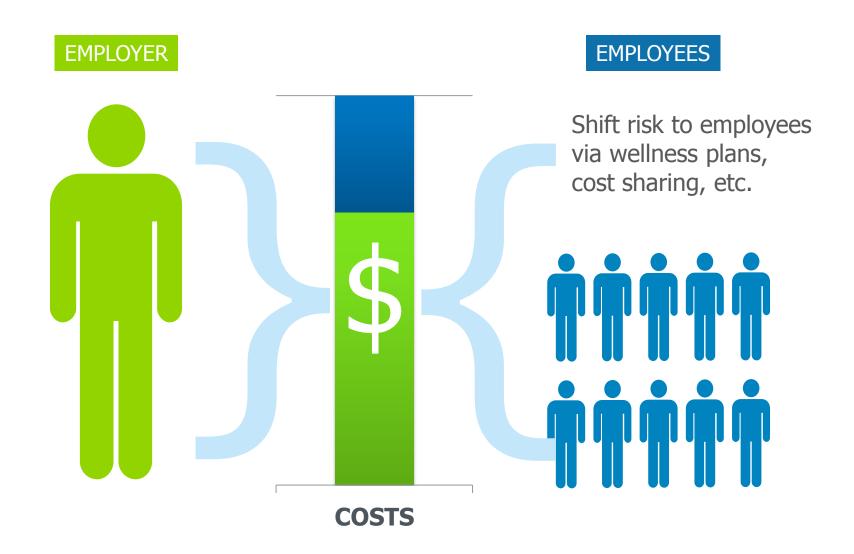


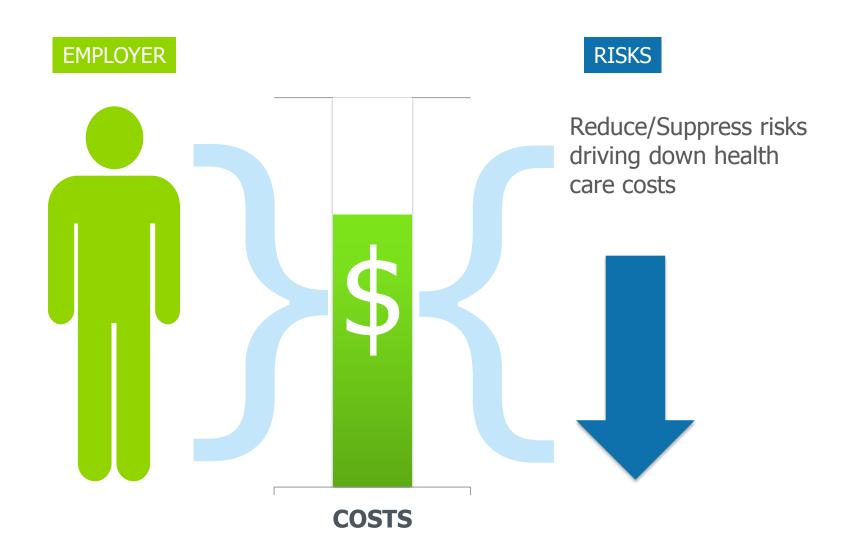






Employers bear the risk (costs) of health care plans





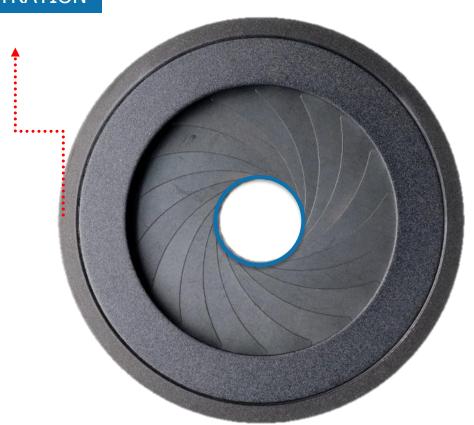
## PLAN SPONSOR'S RISK MANAGEMENT PARADIGM

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## APERTURE – FINANCIAL/BENEFIT DEMONSTRATION

#### **Widening & Narrowing**

- Driven by population relevance, costs and relevance/need
- Benefit design = pass through rate at center
- Ebb and flow of plan coverage occurs slowly – i.e. Bariatric and certain Rx
- New entrant/innovation is difficult to evaluate – in particular those that address pre-disease state co-morbidities





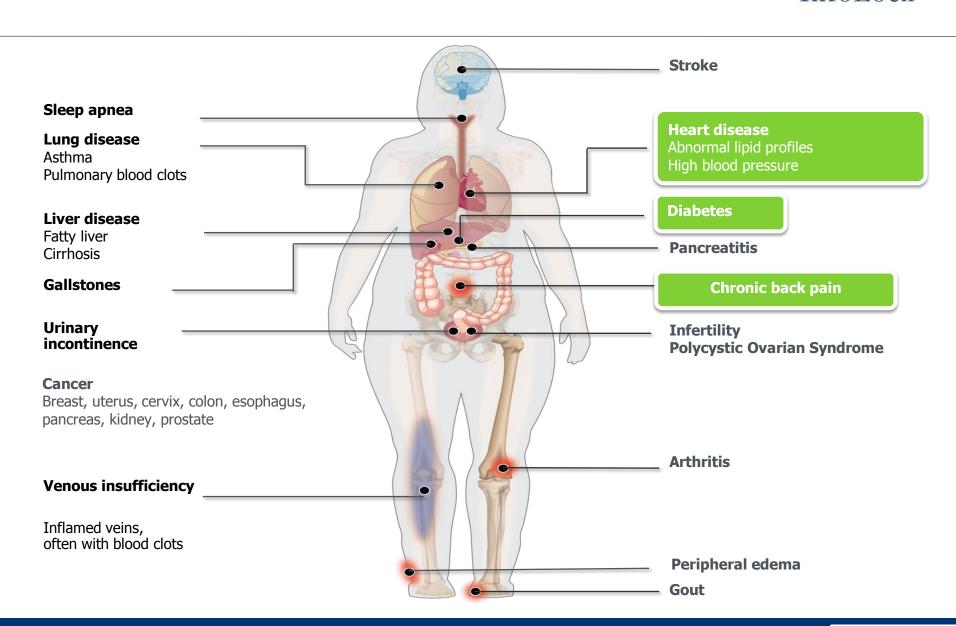
# OBESITY & THE BRAIN: A COMPLEX RELATIONSHIP

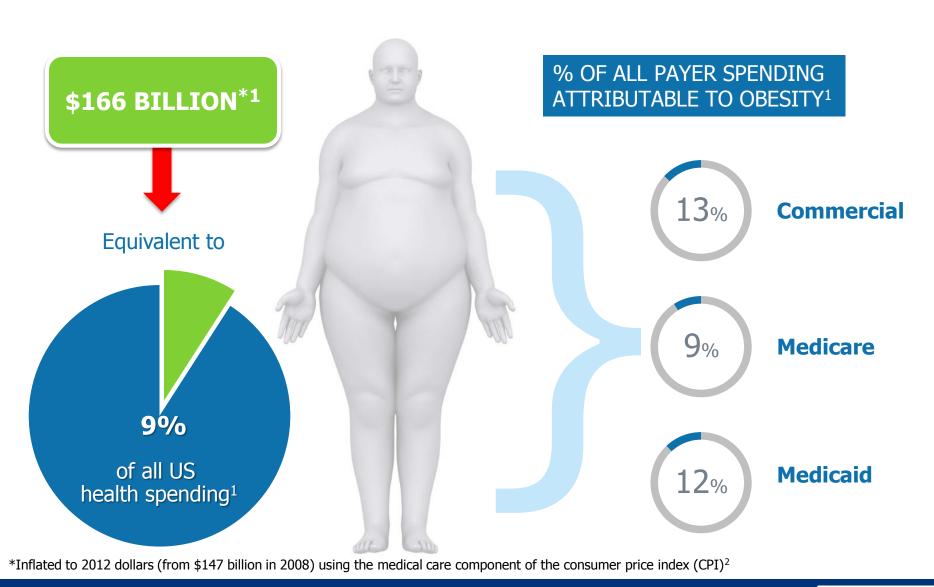
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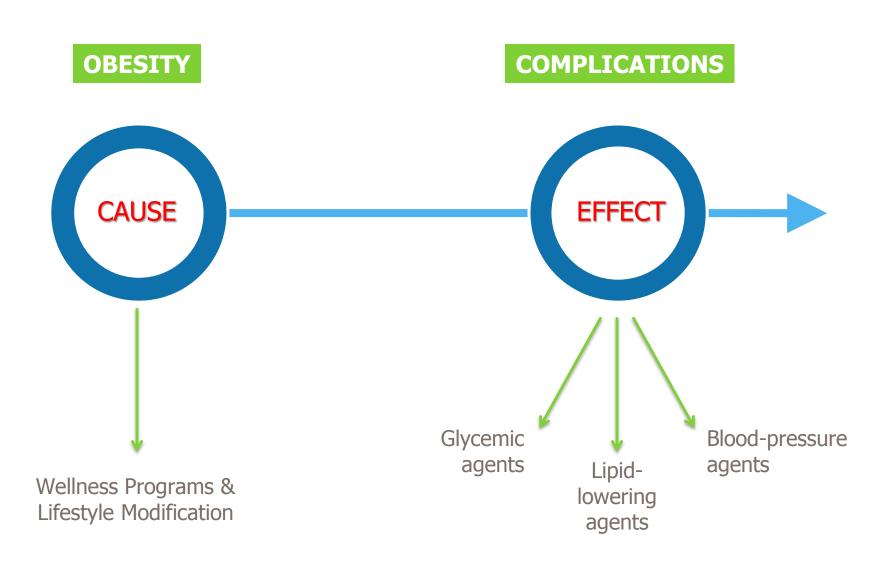
## **OBESITY COMPLICATIONS**

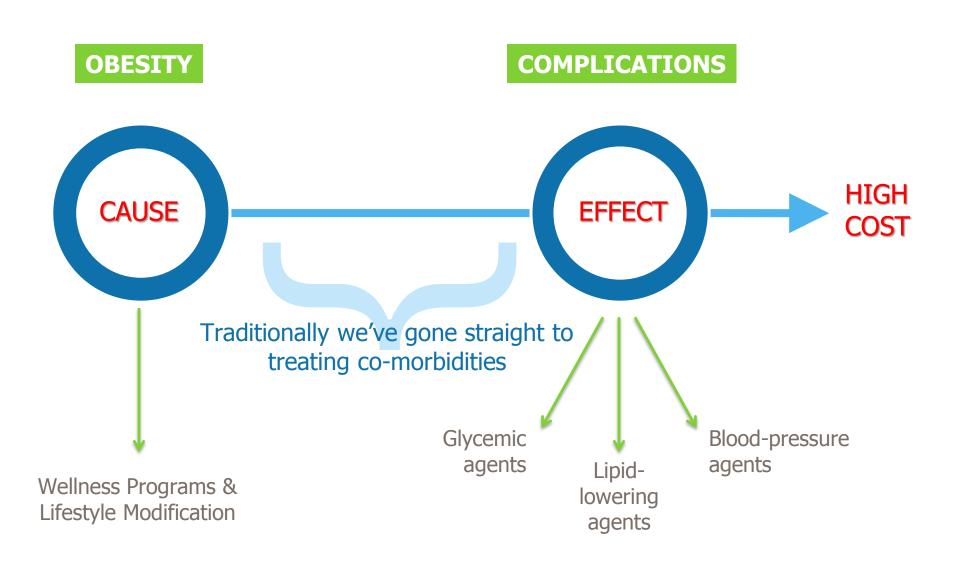
## InfoLock®





<sup>1.</sup> Finkelstein EA, et al. *Health Aff.* 2009;28:w822-w831. 2. Bureau of Labor Statistics. CPI (All Urban Consumers), medical care component. Available at: http://data.bls.gov/pdq/SurveyOutputServlet. Accessed November 8, 2012.



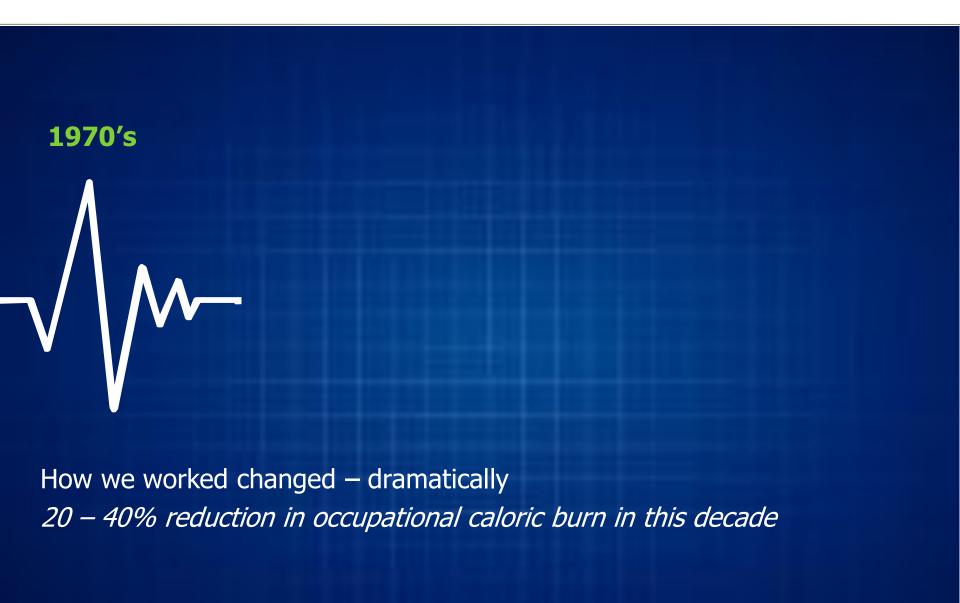




# HISTORICAL RISK MANAGEMENT

VICTORIES AND FAILURES











Wellness vendors program proliferation and legislative clarification outcomes programs emerge

## **PPCA & PAYER REFORM**

Driving the aperture smaller in wellness programs

Health outcomes programs

Hospitals may own risk

"Participation" wellness model under attack















HEALTH SOLUTIONS























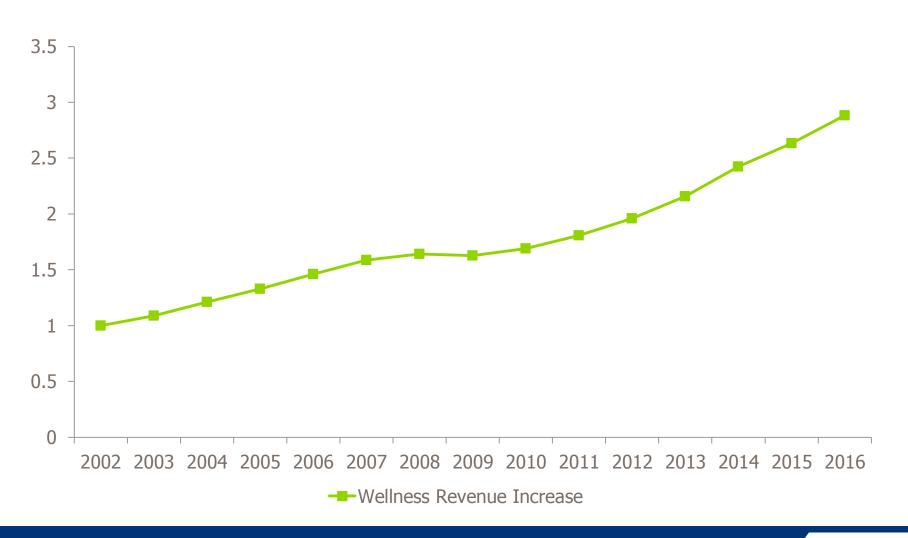
**WeightWatchers** 

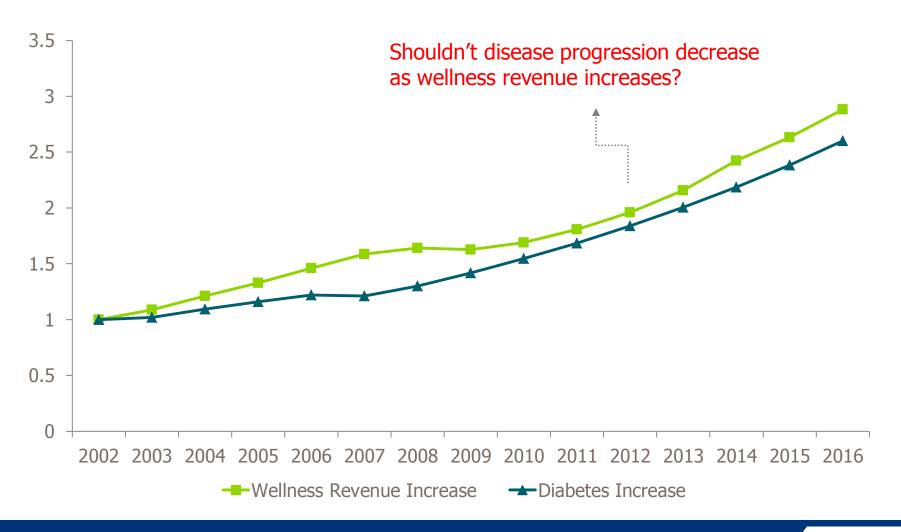
**Healthyroads** 











## **EMERGING STRATEGIES**

What risk management/mitigation entrants must employers consider?

### RISK MITIGATION – EMERGING STRATEGIES

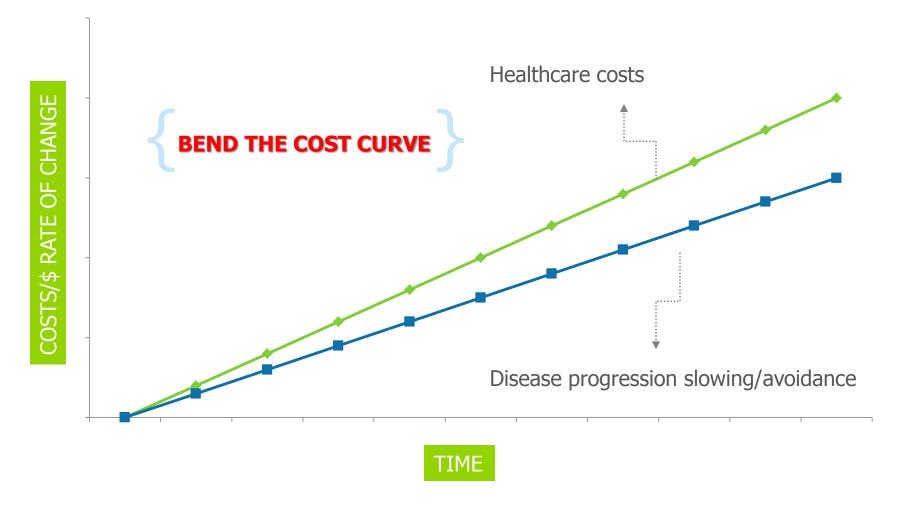
What are the measures for performance – and for what employers are measures appropriate?

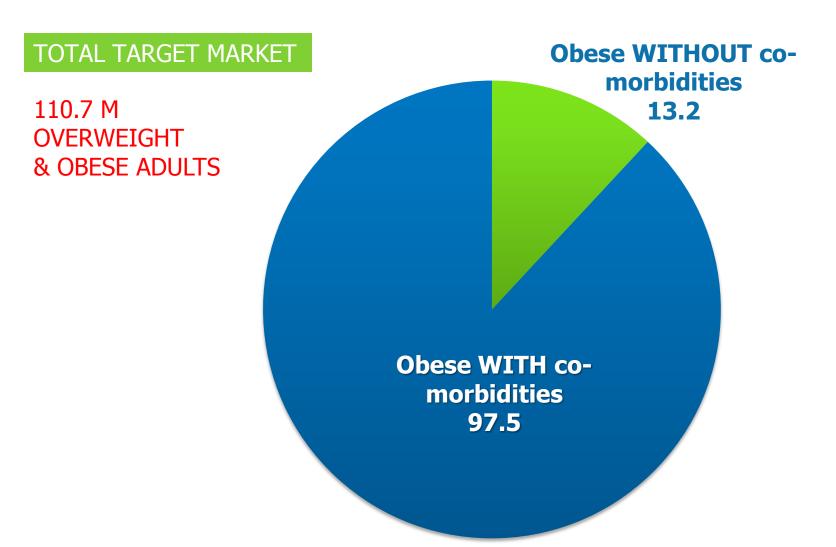
## BENEFIT DESIGN

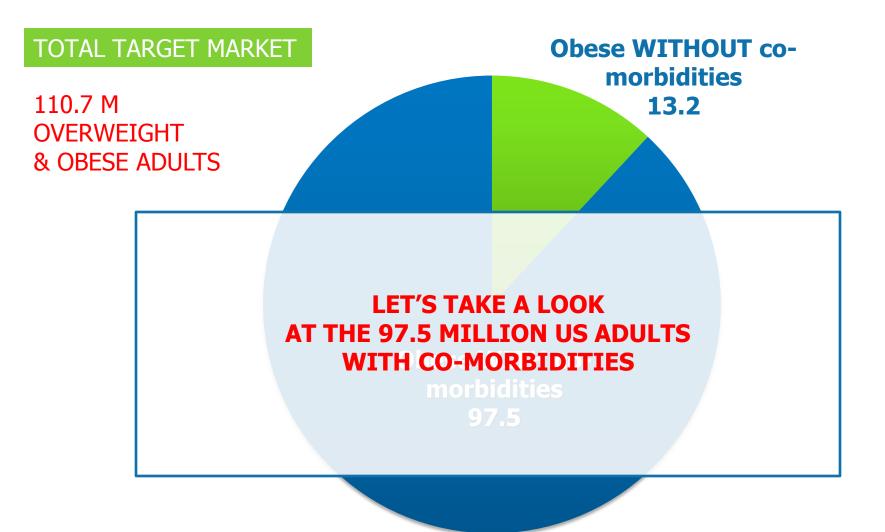
What benefit designs are evolving to include with new strategies?

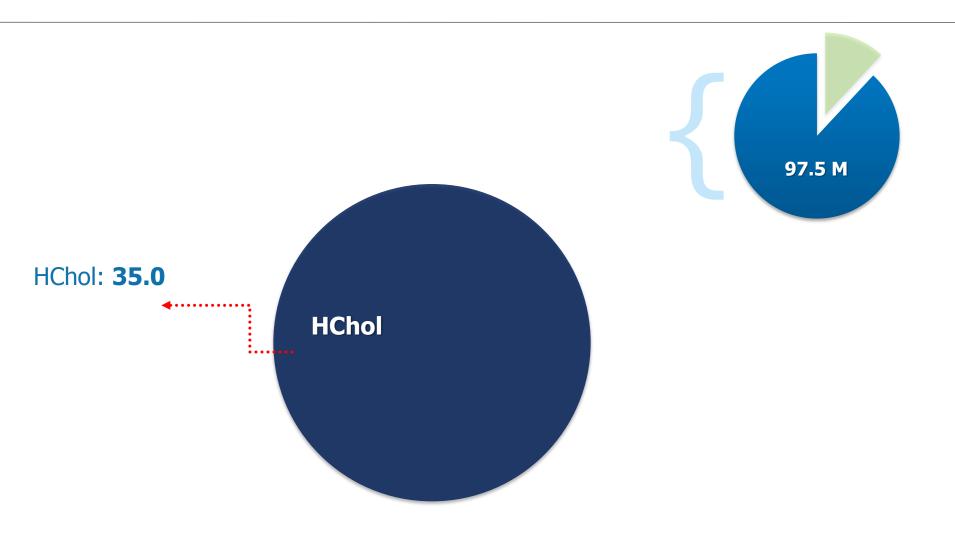


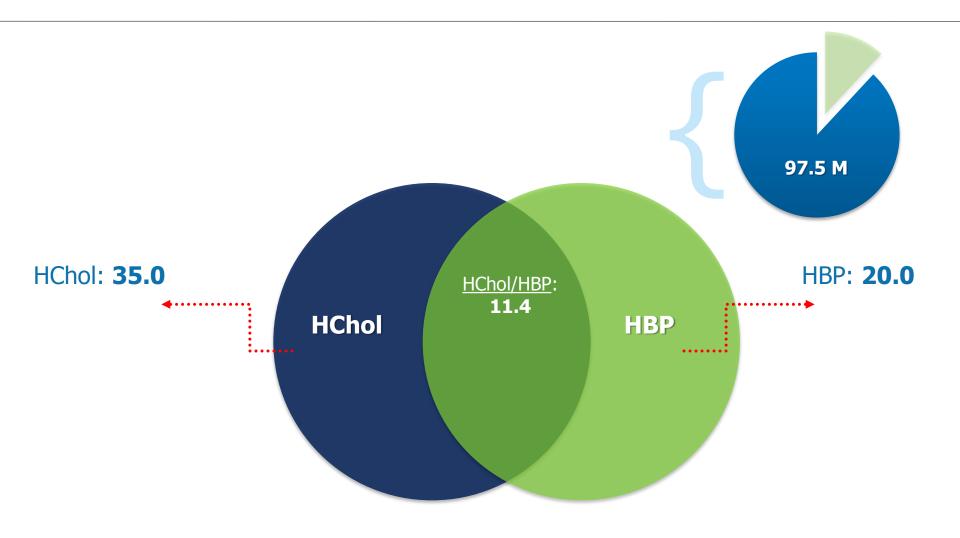


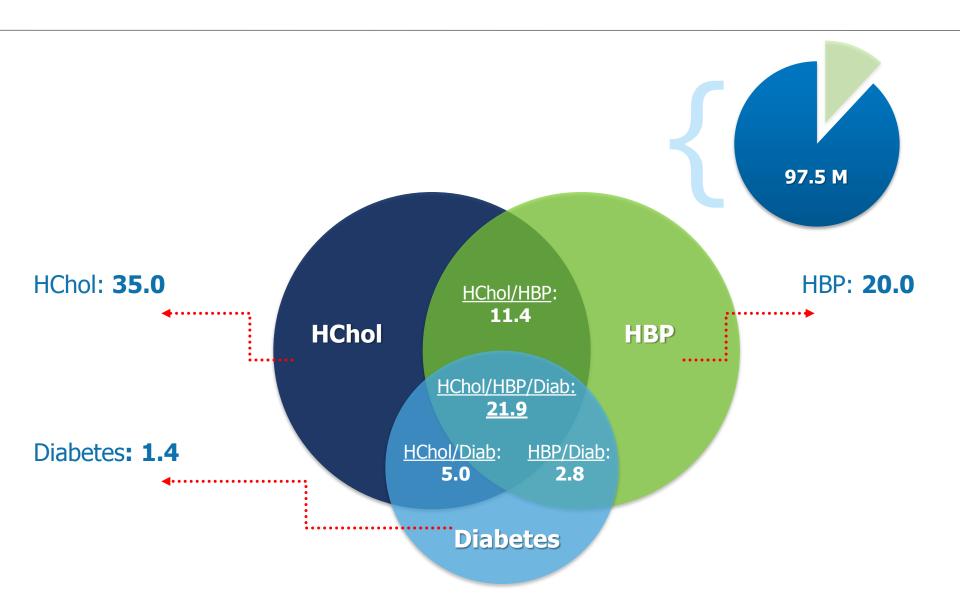










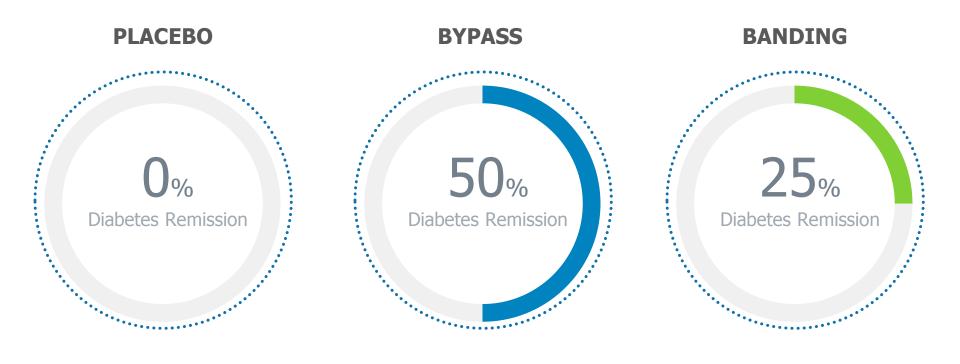




## STUDY 1: BARIATRIC AND GASTRIC BANDING

### 61 OBESE PATIENTS RANDOMLY ASSIGNED SURGERY

Diabetes Remission 1-Year Post Surgery

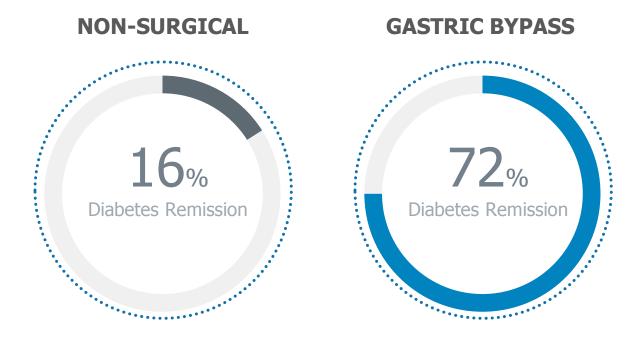


## STUDY 2: BARIATRIC AND GASTRIC BANDING



#### 343 OBESE PATIENTS WITH DIABETES ELECTED SURGERY & 260 WAIVED SURGERY

Diabetes Remission 2-Year Post Surgery



\*\*30% remission at 15 years



# WELLNESS PROGRAM TYPES: DEFINED BY REGULATIONS

## Participatory Programs

## **Health-Contingent Programs**

Require an individual to satisfy a requirement related to a health factor in order to earn a reward.

Require completion of an activity that is not contingent on a health factor to earn a reward

- Screening
- HRA
- Health Education or Health Coaching

# Activity-Based Wellness Programs

- Walking or Diet Program
  - Alternative program

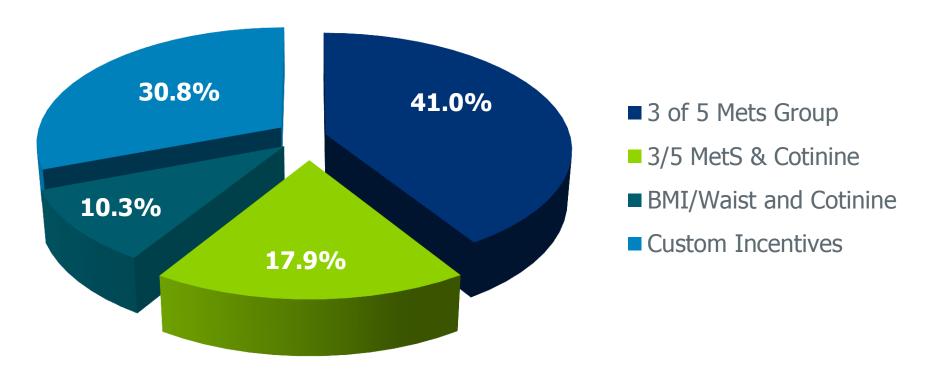
#### and/or

 Medical waivers/affidavits are allowed

# Outcome-Based Wellness Programs

- Screening/test standard criteria
  - Alternative program
     (participatory, activity or
     outcome-based) available for
     all who do not meet standard
     criteria. If the alternative
     program is outcome-based, plan
     must follow two
     "special rules."

# QUEST BOOK OF BUSINESS OUTCOME-BASED DESIGNS

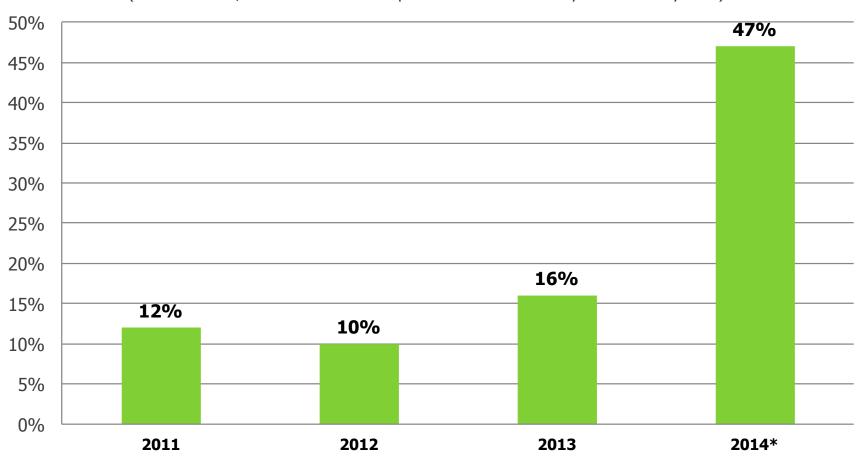


- 14% of Quest Blueprint for Wellness clients use Rewards for Outcomes scoring
- **50-60%** of clients provide participation incentives at a minimum



## Employers planning to reward or penalize based on biometric outcomes other than smoker, tobacco-use status

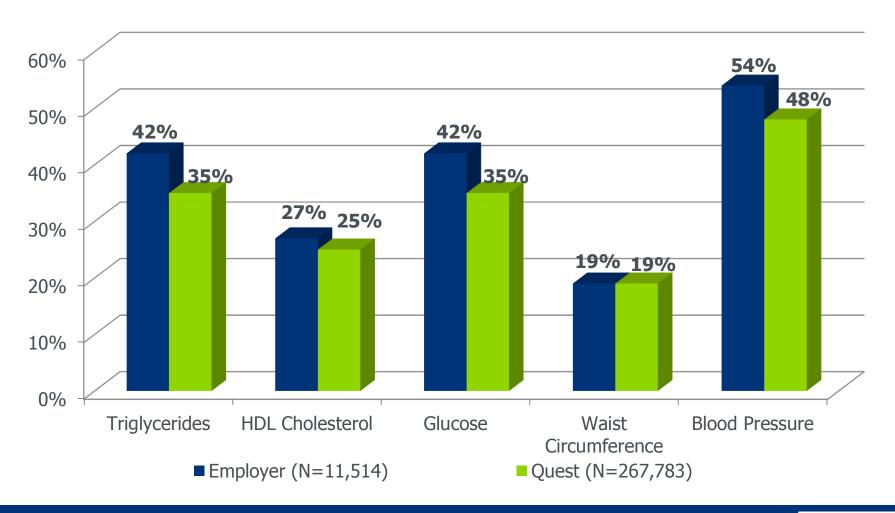
(Towers Watson/National Business Group on Health Annual Survey Annual Survey 2013)



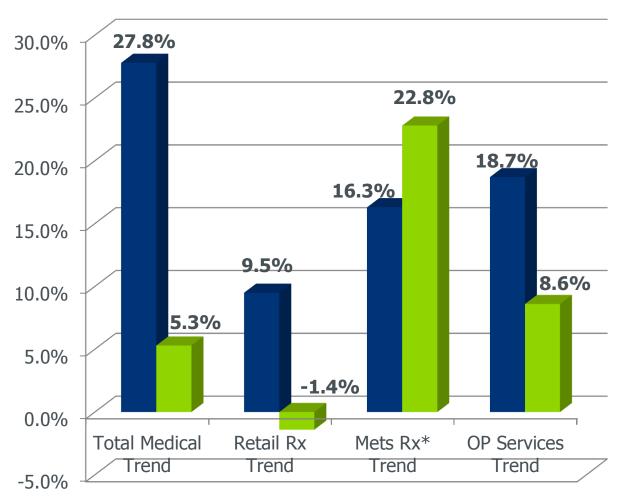
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## RISK MIGRATION COMPARISON: OUTCOMES EMPLOYER VS. QUEST

The percent of participants that migrate from a high risk status to a low risk status is higher for employer's outcomes-based program when compared to the Quest cohort database.



# MEDICAL & RX TREND COHORT COMPARISON: 2010 TO 2012



■ No change in MetS Status in 2012 (n=496)

Those who remain at high risk for Metabolic Syndrome spend **5 times more** on total medical costs compared to those who moved to a low risk status.

<sup>\*</sup>Metabolic syndrome related pharmacy includes the following drug classes: Antidiabetics , Antihypertensives, Beta Blockers, Calcium Channel Blockers, Diuretics, Antianginal Agents and Antihyperlipidemics

Implemented new online enrollment and benefit administration platform funded by commissions from voluntary products (whole life and critical illness

Changed medical and pharmacy vendors for optimal administration and improved network discounts

Introduced outcome-based wellness program and measurements for 2012

2009

2010

2011

2013

Introduced formal participation based wellness program and provided \$200 annual employee contribution incentive (34% participation)

Moved to disincentive model with \$500 differential for employees to **participate** in the wellness program (50% participation) Implemented **outcome-based** wellness program with 20%

disincentive (\$1,440 per year)

Measurements Include:

- BMI
- Tobacco Use
- Blood Pressure
- Cholesterol
- All valued at \$30 per metric met

Continued
outcome-based
wellness program
with 25%
disincentive

(\$1,740 per year)

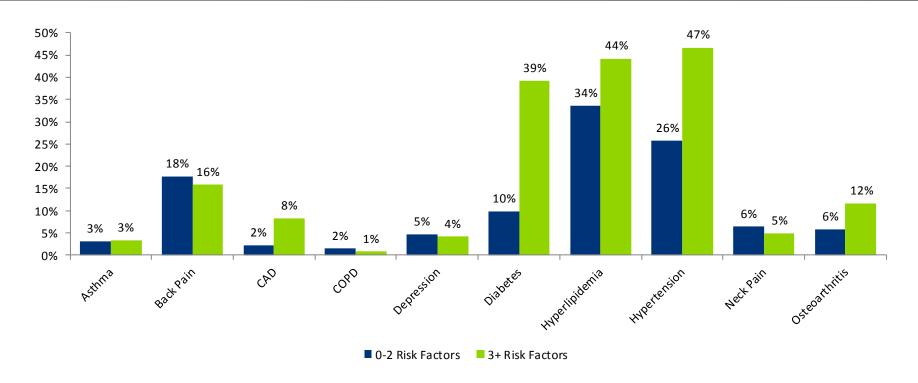
2012

outcome based
wellness program
(\$1,740 per year)
differential.
Spouses now required to
meet biometric
measurements or pay up
to an additional \$1,740
per year.
Introduced full

Continued

replacement HSA medical plan offering for 2014

# IMPACT OF METABOLIC SYNDROME ON CHRONIC CONDITIONS

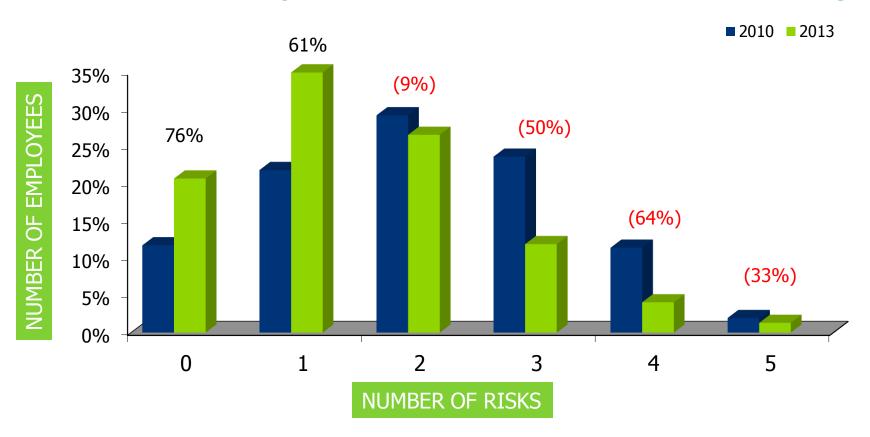


#### Participants with Metabolic Syndrome are more likely to develop the following chronic conditions:

#### **Prevalence vs. Non Metabolic Participants**

Diabetes: 290%
 Hyperlipidemia: 30%
 Hypertension: 81%
 Osteoarthritis: 100%
 CAD: 300%

#### 2010-2013 Cohort Population Risk Factor Distribution with Percent Change



- ❖ In 2010, approximately **37%** of cohort group had **3 or more risk factors**
- ❖ In 2013, approximately **17%** of cohort group had **3 or more risk factors**





## 1 YEAR STUDY WITH OBESITY PHARMACOTHERAPY

#### COMPLETERS ON "DRUG A"

% of weight loss



#### **PLACEBO**

ITT-LOCF -1.2%



#### **DRUG A 7.5mg/46mg**

ITT-LOCF -7.8%



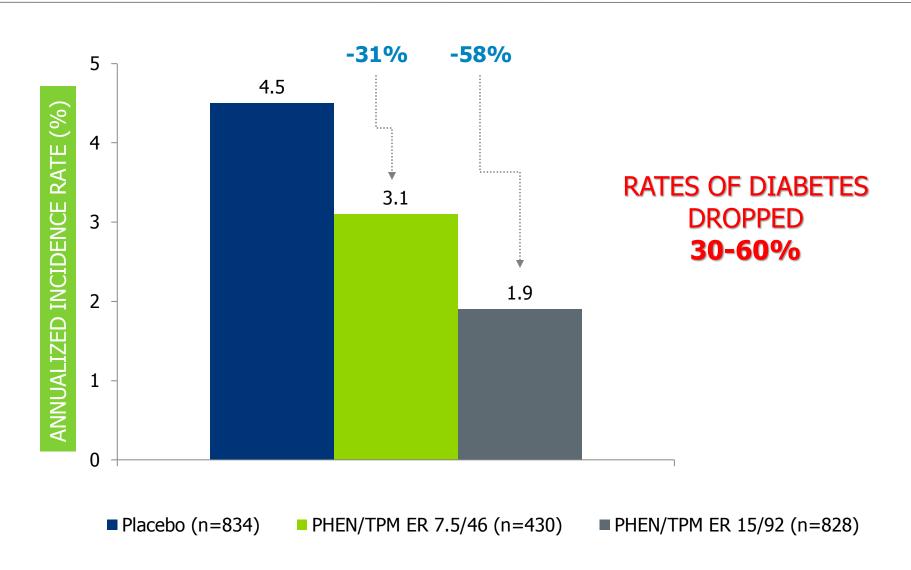
#### DRUG A 15mg/92mg

ITT-LOCF -9.8%

## "DRUG A" DIABETES REDUCTION



**Patients without Diabetes** – Progression to Diabetes





**BENEFIT PLAN** 

**DESIGN CONSIDERATIONS** 





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BMI ≥25<sup>1</sup>

**Treatment Options:** 

## **WELLNESS PROGRAMS**

Expected Efficacy:

3% to 4% of initial weight<sup>3,4</sup>

Lack of long-term efficacy; weight regain without maintenance therapy<sup>4,5</sup>

<sup>1.</sup> NHLBI. October 2000. Available at: http://www.nhlbi.nih.gov/guidelines/obesity/prctgd\_c.pdf. Accessed April 1, 2013. 2. FDA. Gastric Banding. December 2011. Available at: http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/ImplantsandProsthetics/ GastricBanding/default.htm. Accessed February 28, 2013. 3. Sarwer DB, et al. *Curr Opin Endocrinol Diabetes Obes.* 2009;16:347-352.

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BMI ≥25<sup>1</sup>

**Treatment Options:** 

## **WELLNESS PROGRAMS**

Expected Efficacy:

3% to 4% of initial weight<sup>3,4</sup>

Lack of long-term efficacy; weight regain without maintenance therapy<sup>4,5</sup> ≥30 + comorbidities or ≥40<sup>2</sup> (laparoscopic)

≥35 + comorbidities or ≥40¹ (open surgery)

**Treatment Options:** 

## **OBESITY SURGERY**

**Expected Efficacy:** 

14% to 25% of initial weight<sup>8</sup>

<1% of obese patients undergo surgery due to perioperative risks and potential long-term complications<sup>4</sup>

<sup>1.</sup> NHLBI. October 2000. Available at: http://www.nhlbi.nih.gov/guidelines/obesity/prctgd\_c.pdf. Accessed April 1, 2013. 2. FDA. Gastric Banding. December 2011. Available at: http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/ImplantsandProsthetics/ GastricBanding/default.htm. Accessed February 28, 2013. 3. Sarwer DB, et al. *Curr Opin Endocrinol Diabetes Obes.* 2009;16:347-352.

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**BMI** ≥27 + comorbidities

or ≥30<sup>1</sup>

≥30 + comorbidities or ≥40<sup>2</sup>

(laparoscopic)

≥35 + comorbidities or ≥40¹

(open surgery)

Treatment Options:

BMI ≥25<sup>1</sup>

**Treatment Options:** 

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**WELLNESS PROGRAMS** 

LM & PHARMA-COTHERAPY OBESITY SURGERY

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**5% to 11%** of initial weight<sup>6</sup>

Only ~3% of obese/overweight patients are prescribed weight loss drugs<sup>7</sup>

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BMI ≥25<sup>1</sup>

**Treatment Options:** 

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LM & PHARMA-COTHERAPY

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## BENEFIT DESIGN AND ECONOMIC MODEL

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## LEVEL 0

#### **Before/After Bariatric Surgery**

- Surgeon contingent
- Highly narrow and carries some risk
- Potential stepping stone to bariatric



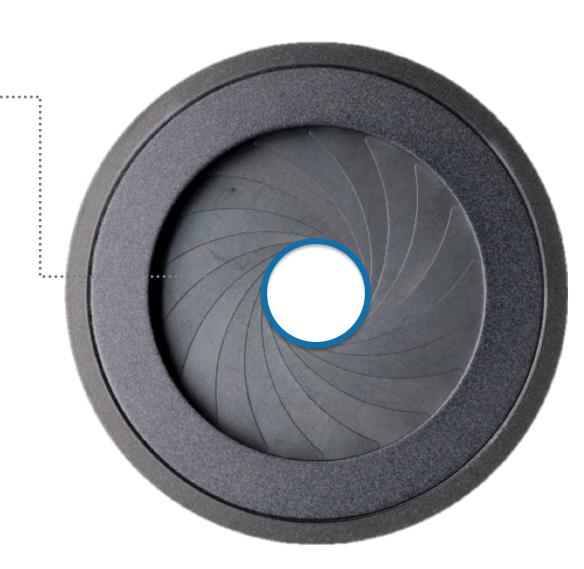
## BENEFIT DESIGN AND ECONOMIC MODEL

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## **LEVEL 1**

#### **Disease Management Coverage**

• Only for the relevant co-morbidities and targeted population



## **LEVEL 1**

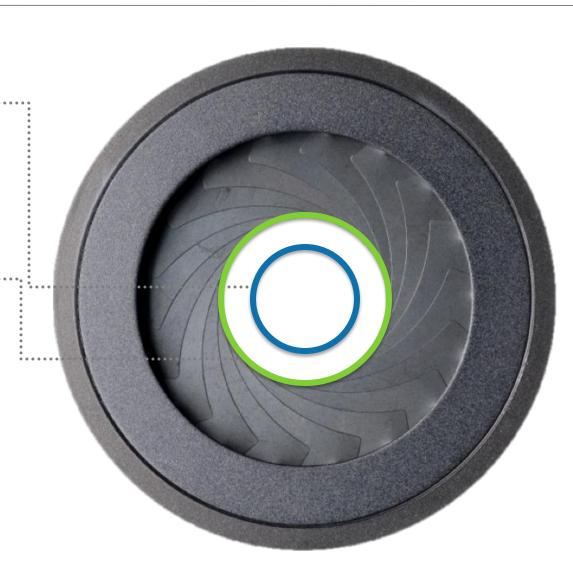
#### **Disease Management Coverage**

 Only for the relevant co-morbidities and targeted population

## LEVEL 2

#### **Prior Authorization Coverage**

- Covered only for the slightly larger population
- Moderate co-pay



## BENEFIT DESIGN AND ECONOMIC MODEL

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### **LEVEL 1**

#### **Disease Management Coverage**

 Only for the relevant co-morbidities and targeted population

## LEVEL 2

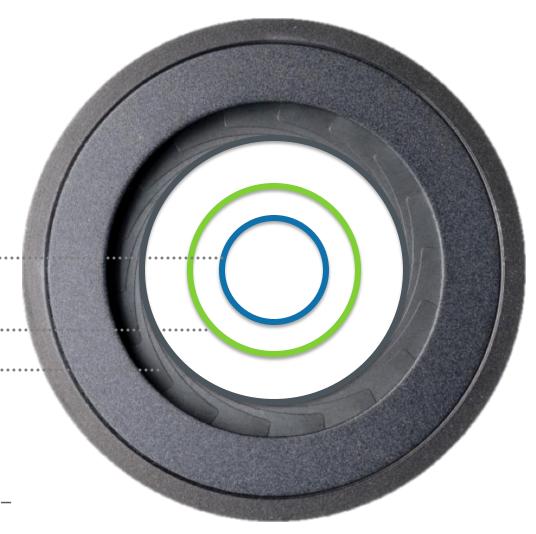
#### **Prior Authorization Coverage**

Covered only for the slightly larger population

#### LEVEL 3

#### **Fair Use Coverage**

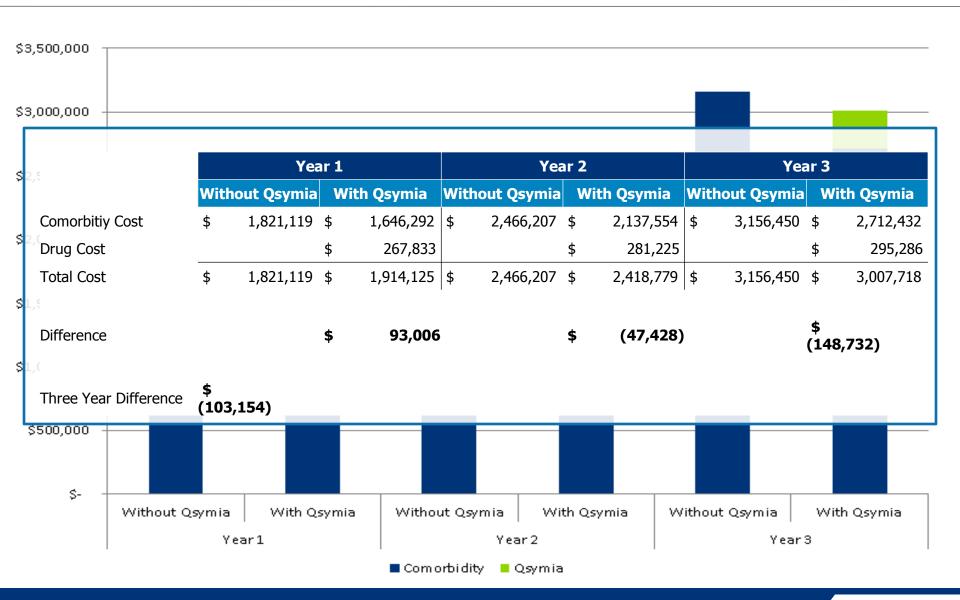
 Covered largest contingent of population – lowlikelihood of break-even





Model Overview		Populat	Population		Costs		Budget Impact	References
Select Patient Popu	ulation							
Obesity Grade:	○ Labele	ed Indication (BMI ≥ 27	with a comorbidity o	or BMI ≥ 30) () Grade	e 1 Obesity (BMI ≥	30) () Gra	ade 2 Obesity (BMI ≥ 35)	rade 3 Obesity (BMI ≥ 40)
Comorbidity Status:	Pre-Diabetes		O Diabe	tes	Hypertension		O Dysli	pidemia
Plan Characteristic	s							
Plan Population		5,000				Turnover	10%	
Percentage of Plan Population ≥18 years of age		76.0%				Qsymia Adoption Rate	40%	
Prevalence of Overweight with comorbidity or Obesity			47.2%					
Comorbidity Chara	cteristics	S						
Prevalence of Pre-Diabetes		35.0%						
Potential Patient Population		628						

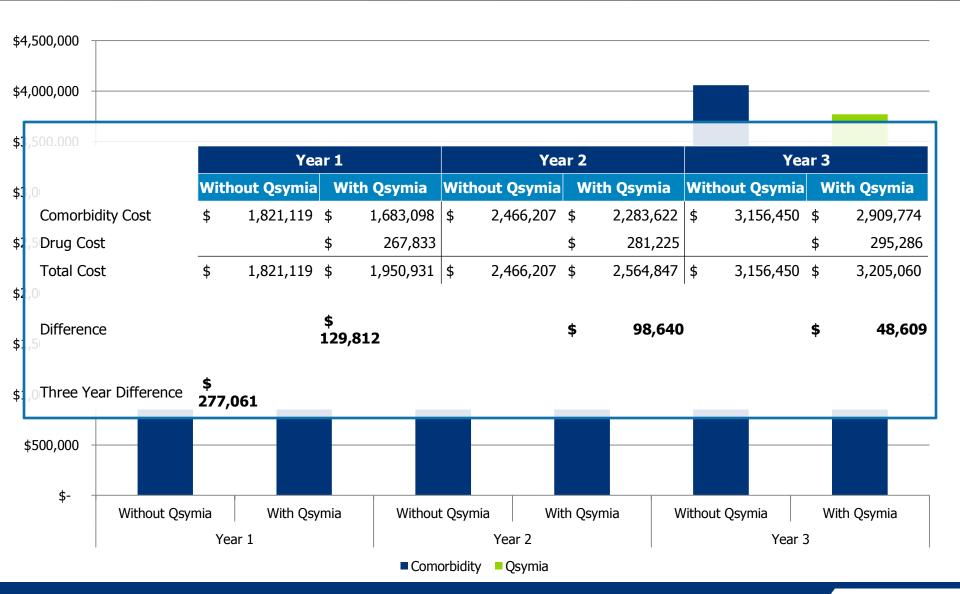
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Model Overview Popula		lation	Costs	Budget Impact	References	
Select Patient Popul	lation					
Obesity Grade:	○ Labeled Indication (BMI ≥	27 with a comorbidity or	BMI ≥ 30)	30)	) Grade 3 Obesity (BMI ≥ 40)	
Comorbidity Status:	Pre-Diabetes	○ Diabetes	з () Нур	ertension 0	Dyslipidemia	
Plan Characteristics	3					
Plan P	Population	5,000		Turnover	50%	
Percentage of Plan Population ≥18 years of age		76.0%		Qsymia Adoption Rat	e 40%	
Prevalence of Overweight with comorbidity or Obesity 47.2%						
Comorbidity Charac	cteristics					
Prevalence of	of Pre-Diabetes	35.0%				
Potential Pat	tient Population	628				

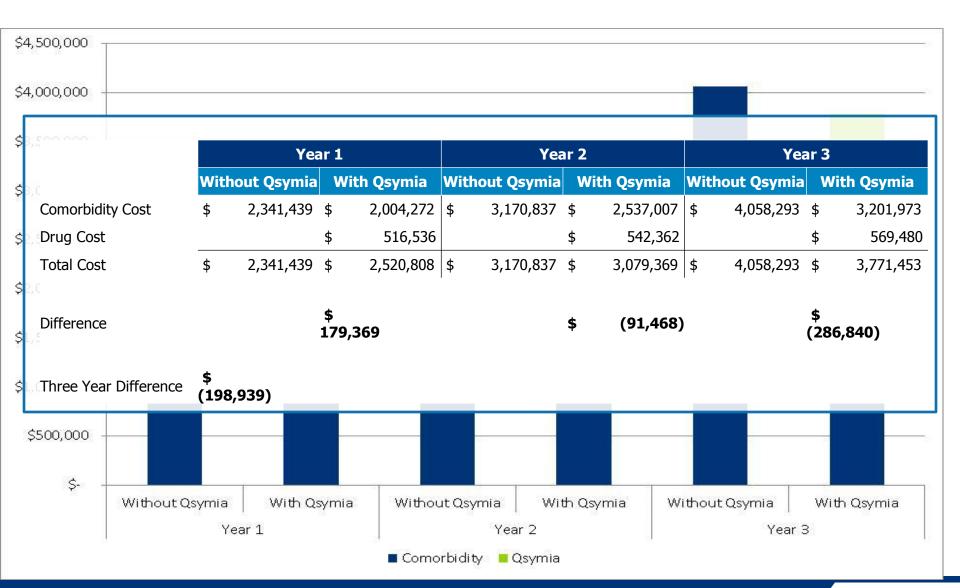
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Model Overview		ulation	Costs	Budget Impact	References
Select Patient Popu	lation				
Obesity Grade:	C Labeled Indication (BMI 2	≥ 27 with a comorbidity or	BMI $\geq$ 30) $\bigcirc$ Grade 1 Obesity (BMI $\geq$	30)	irade 3 Obesity (BMI ≥ 40)
Comorbidity Status:	Pre-Diabetes	○ Diabete	s \( \rightarrow \text{Hyp}	ertension Opys	lipidemia
Plan Characteristics	5				
Plan Population		5,000		Turnover	10%
Percentage of Plan Population ≥18 years of age		76.0%		Qsymia Adoption Rate	60%
Prevalence of Overweight	t with comorbidity or Obes	47.2%			
Comorbidity Charac	cteristics				
Prevalence	of Pre-Diabetes	45.0%			
Potential Pa	tient Population	807			

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#### RISK MANAGEMENT

Employers retain more risk today - reform Risks/costs associated with obesity gear the risk Financial "Aperture" constantly changing



#### **EVALUATING NEW ENTRANTS**

Wellness programs of old have largely failed to produce – changing rapidly Diabetes avoidance/suppression = \$\$\$ not hitting the health plan Each plan has a "break even" point – find yours

#### BENEFIT DESIGN AND ECONOMIC MODELING

Evaluate – no "head in the sand" approach

Benefit design must be tailored and bespoke to group makeup

Supressing risks/costs associated with obesity becoming core to the "job"



## **QUESTIONS?**

Presented by Christian Moreno, Lockton Companies



L O C K I O N C O M P A N I E S

#### **Our Mission**

To be the worldwide value and service leader in insurance brokerage, employee benefits, and risk management

## **Our Goal**

To be the best place to do business and to work



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