

World's Trend in Health Care

世界醫療新趨勢

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A young child telling his father:



‘the water is too hot, I want it warmer.’

Definition of Health

“Health is a metabolic efficiency”

“Health comprises dynamic and well-preserved blood, liver and other body ecosystems, as well as having intact and functioning cell membranes that mark the boundaries between life within the cell and that which exists outside it.”

“The state of the organism when it functions optimally without evidence of disease or abnormality.”

Definition of Health

“**Health** is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.” **W.H.O.**

“**Health** enables people to live life to the fullest.”

Definition of Healthcare

“Healthcare is a coordinated system that is larger than any single individual. This system focuses on **Health, Education, Disease Prevention, Early Diagnosis and Early Intervention.**”



候診間

Waiting Area





Sick Care



Sick Care



Health Care



Sick Care



Health Care



- ❖ **Illness**
- ❖ **In-patients**
- ❖ **Invasive surgery**
- ❖ **Diagnosis of Diseases**



- ❖ **Wellness**
- ❖ **Out-patients**
- ❖ **Simple medicines**
- ❖ **Self-awareness**

Disease Management

Coordinated Care / Applied Health Outcome

Definition:

“Comprehensive Patient Health Management through the Integration of some or all Healthcare Provision Across a continuum of Care for a Single Disease rather than the Traditional Functional Approach”

Disease Management

An **Overall Approach** to treating disease that takes into account all **Associated Costs & Outcomes**



Disease Management

**Patient
Awareness**

**Doctor
Diagnosis**

**Therapy
Initiation**

**Therapy
Maintenance**

Follow Up

**Patient
Education**

Clinical Guidelines

**Diagnostic
Program**

Compliance

Patient Support

Patient Monitoring

Referral Services

Providers Education

Outcomes Measurement

Case Study



Healthcare Challenges in Florida

Facts

- 2.1 million Medicaid beneficiaries
- 4th largest program in U.S. (State health care coverage for low income residents)
- 22% of Florida's budget
- 47% of expenditures on institutional services (hospitals, nursing homes)
- 30% of members account for 90% of costs

Issues

- Increasing prevalence of chronic disease and unhealthy behaviors

Asthma, hypertension, congestive heart failure, diabetes

	2001	2003
% of beneficiaries with these diseases	14%	21%

- Low treatment compliance
- Few tests and services for those needing monitoring, coordination, and continual follow-up

Patient's Feedback

“My doctor was surprised that **I lost so much weight so fast**. He said it usually takes people much longer to lose.” But with the **help of her care manager**, Sharon Kinchens, Cora reports that over the six months she's been on the program she's been **eating better and getting out of the house much more often**. Most impressively, she was able to attend her daughter's wedding without the walker she had relied on for so many years that made her feel old. “That,” she says, “made me feel so proud.”

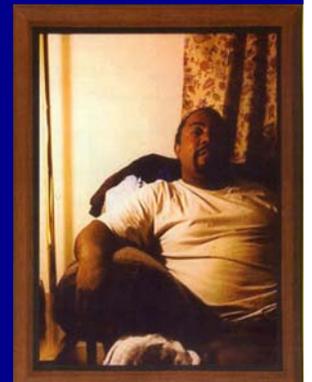
*Cora S., Heart Failure
Miami, Florida*



Patient's Feedback

“Larry has **changed his eating habits** drastically, **lost 80 pounds**, and is back to work as a mechanic, supporting his family. He now **visits his doctor regularly** and keeps a **close eye on his blood sugar**, with the help of a glucometer and a logbook to record his levels. And even though he's learned so much about his condition, he still prefers to think of it as **an analogy to his passion — repairing cars.**”

*Larry B., Diabetes
Gainesville, Florida*

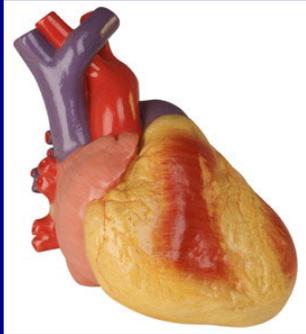


Overall Healthcare Improvement

	Overall	Hypertensio n	Asthma	Diabetes	Heart Failure
In-patient Days	↓ 12.6%	↓ 15.0%	↓ 0.7%	↓ 13.7%	↓ 6.0%
Emergency Room Visits	↓ 1.0%	↓ 0.7%	↓ 4.0%	↑ 1.8%	↓ 1.3%

Disease Management

Pharmaceuticals – Part of the Solution



- The use of **Beta blockers** following Heart Attacks Resulted in an Annual **Cost Saving** of up to **US\$3 billion** in Preventing Second Heart Attacks

Source: PhRMA; Levy, R.A., “What to tell Patients about the cost-benefit of medications.”
Wellcome Trends in Pharmacy, January 1993



- A new Drug for **Schizophrenia** which **Costs US\$4K** Annually has Dramatically Reduced Hospitalization Costs by Over **US\$73K**

Source: PhRMA; Hospital and Community Psychiatry, Vol. 41, No. 8, 1990

Disease Management

Pharmaceuticals – Part of the Solution

- Within 10 years (1977 –1987), Ulcer Operations Dropped from 97,000 to 19,000 after the Introduction of H₂ Antagonists



Source: PhRMA, based on data supplied by the Health Care Financing Administration, 1993

Disease Management

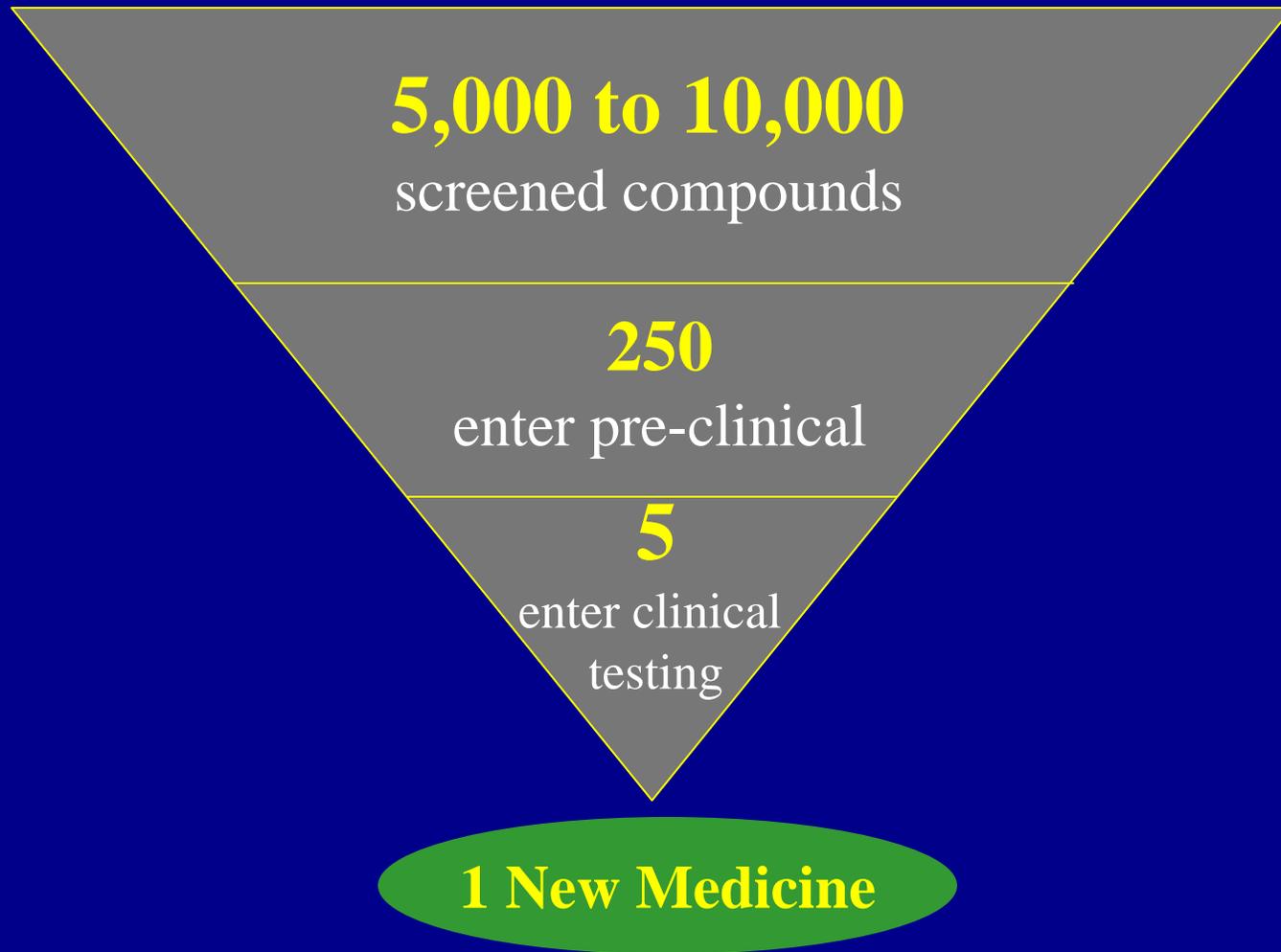
Pharmaceuticals – Part of the Solution

- A New Drug for Migraine Headaches is Lowering the Total Cost of Caring for Patients



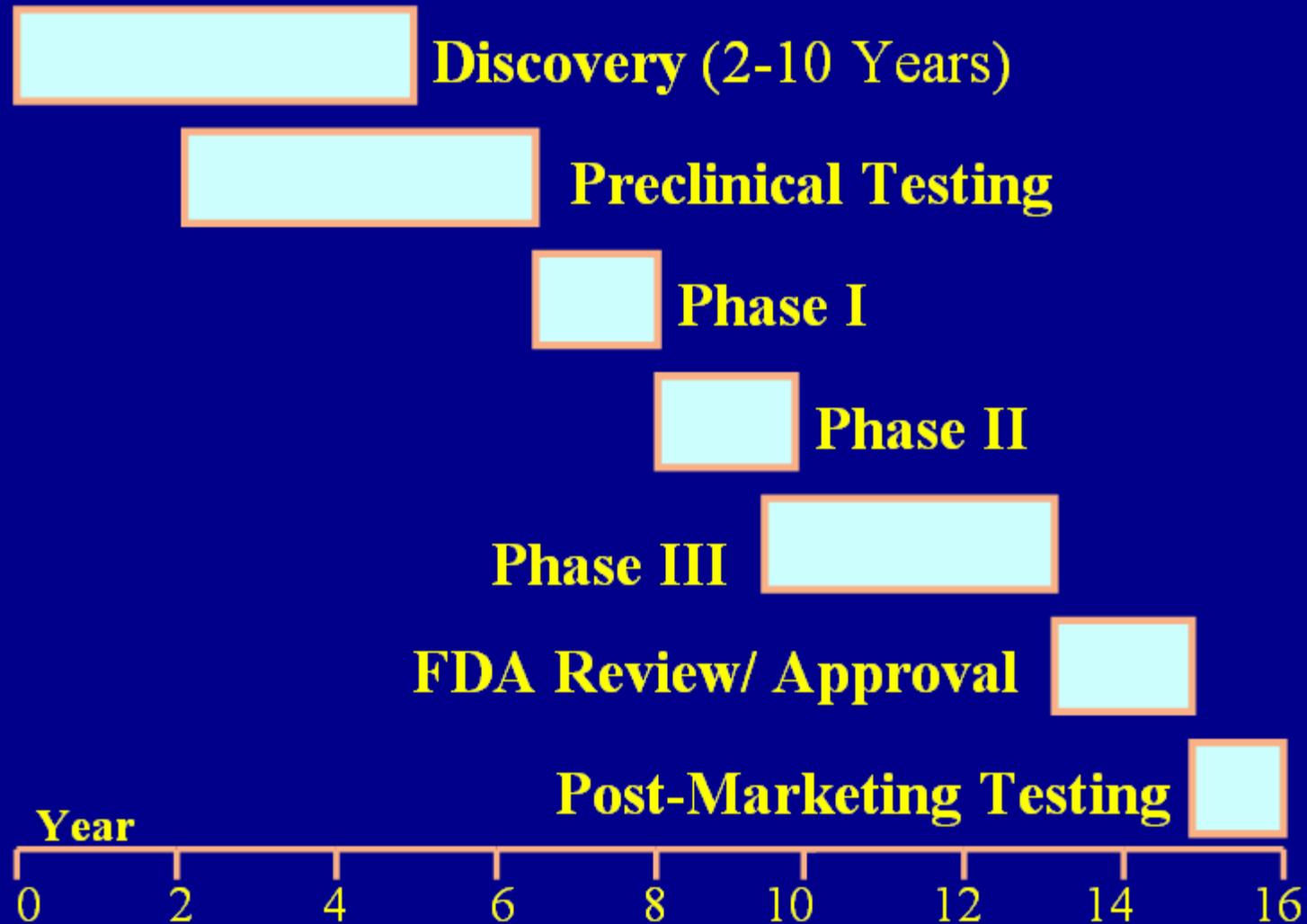
Source: Legg, R.F., et al., "Cost Benefit of Sumatriptan to an Employer." Journal of Occupational and Environmental Medicine Vol. 39, No. 7, July 1997.

Development of Medicine



Source: PhRMA Pharmaceutical Industry Profile 2003

Development of Medicine



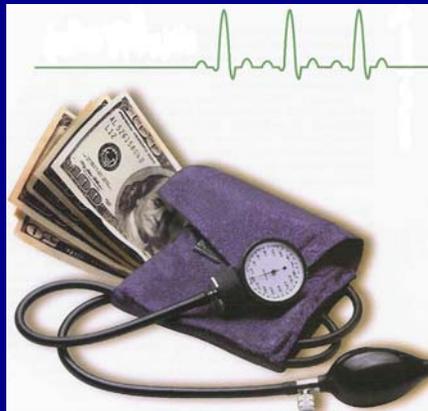
Source: DiMasi et al., *J Health Economics* 2003;22(2):151-185

New Medicine New Hope



“Health is Wealth”

Sick Care → Health Care



**Investment in health is an
investment in human capital**

Thank You

