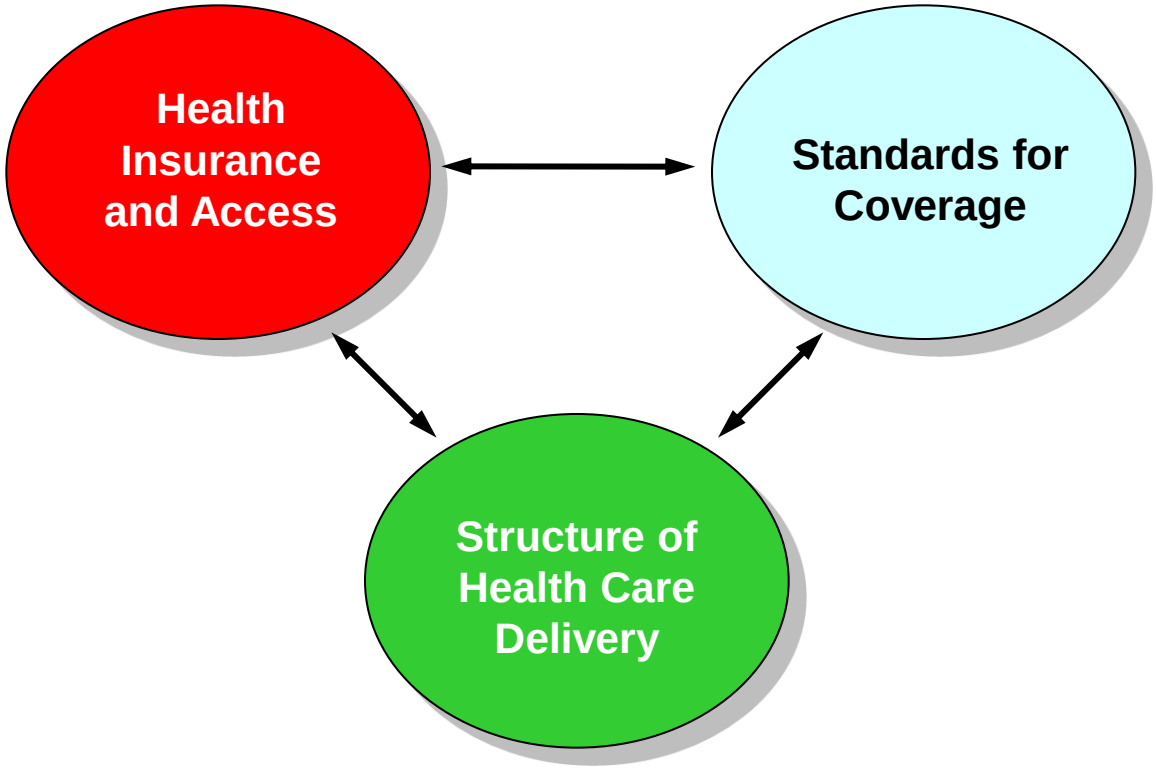
Value-Based Competition in Health Care

Professor Michael E. Porter

M.D. Anderson Cancer Center
Houston, Texas
October 19, 2006

This presentation draws on a forthcoming book with Elizabeth Olmsted Teisberg (Redefining Health Care: Creating Value-Based Competition on Results, Harvard Business School Press). Earlier publications about the work include the *Harvard Business Review* article "Redefining Competition in Health Care".

Issues in Health Care Reform



The Paradox of U.S. Health Care

The United States has a **private system** with **intense competition**

But

- Costs are **high** and **rising**
- Services are **restricted** and fall well short of recommended care
- In other services, there is **overuse** of care
- Standards of care often **lag** and fail to follow accepted benchmarks
- **Diagnosis errors** are common
- Preventable **treatment errors** are common
- Huge **quality** and **cost differences** persist across **providers**
- Huge **quality** and **cost differences** persist across **geographic areas**
- Best practices are **slow** to spread
- Innovation is **resisted**

- Competition is **not** working
- How is this state of affairs possible?

Competition on the Wrong Things
Zero-Sum Competition in U.S. Health Care

- Competition to **shift costs**
- Competition to **increase bargaining power**
- Competition to **capture patients** and **restrict choice**
- Competition to **restrict services** in order to reduce costs

- None of these forms of competition **increases value for patients**

Competition at the Wrong Levels

Too Broad

- Between broad line hospitals, networks, and health plans

Too Narrow

- Performing discrete services or interventions

Too Local

- Focused on serving the local community

- Market definition is misaligned with patient value

Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.

Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
   - Results vs. supply control
   - Results vs. process compliance
   - Reward results with patients vs. “lift all boats”

Principles of Value-Based Competition

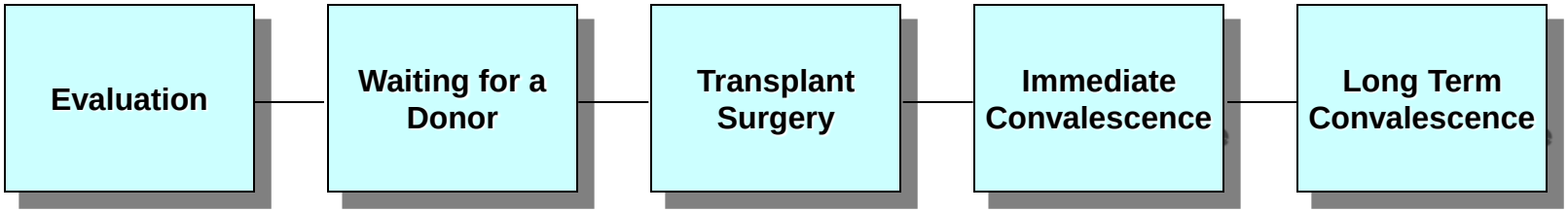
1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should center on **medical conditions** over the **full cycle of care**.

What Businesses Are We In?

Nephrology practice

- Hypertension Management
- Chronic Kidney Disease
- End-Stage Renal Disease
- Kidney Transplants

Organ Transplant Care Cycle

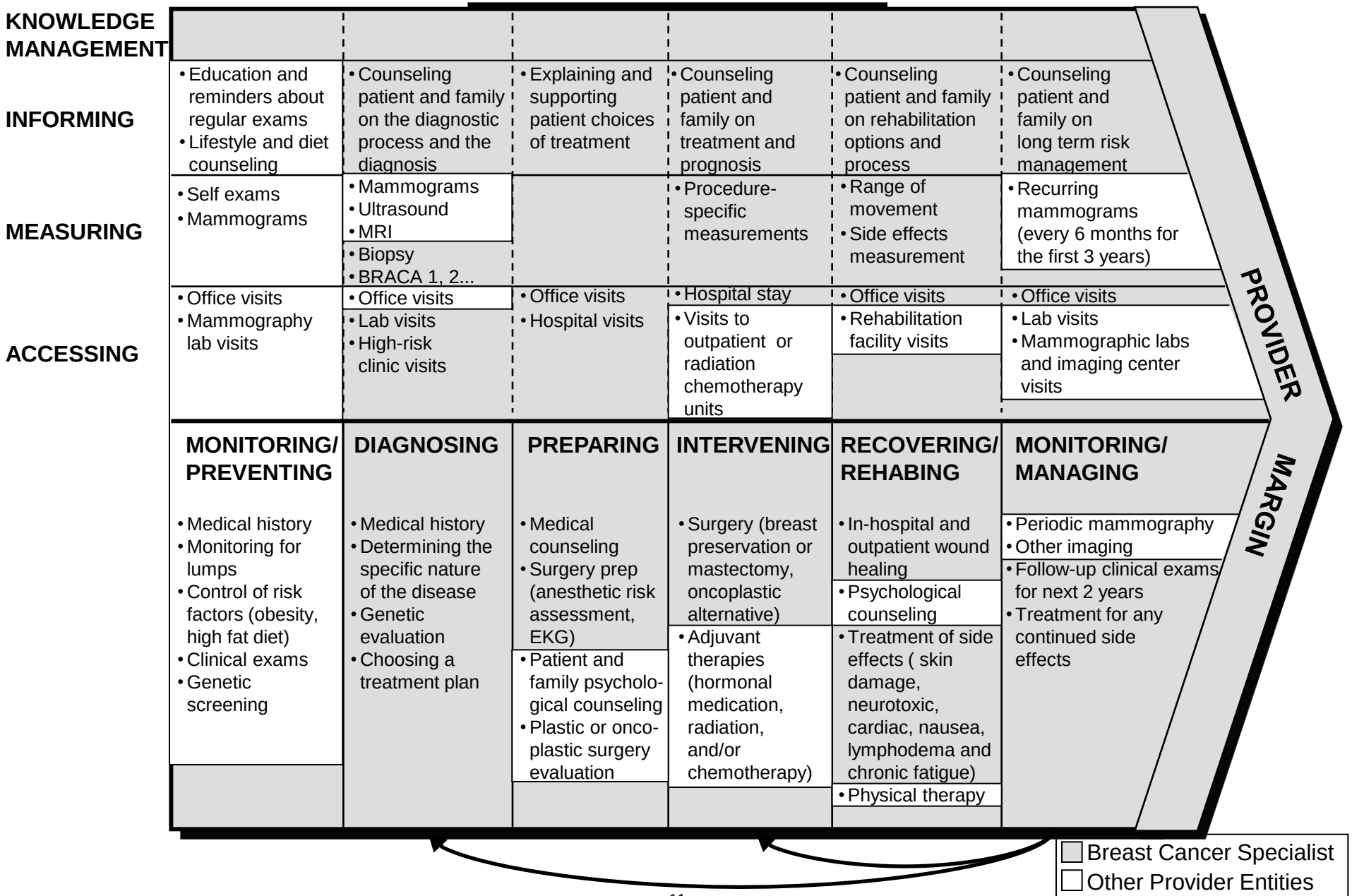


Addressing organ rejection

Fine-tuning the drug regimen

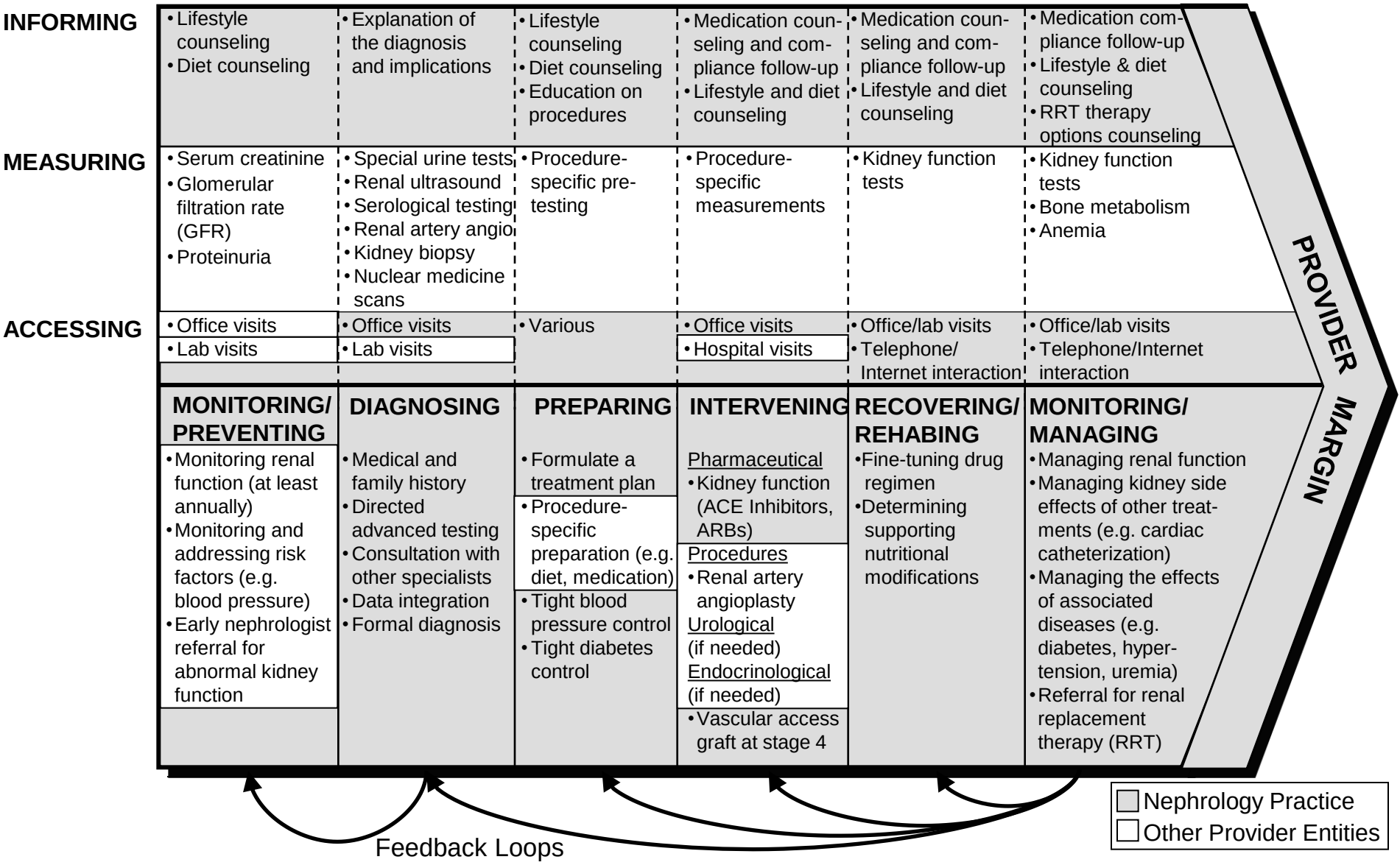
Adjustment and monitoring

The Care Delivery Value Chain
Breast Cancer Care



The Care Delivery Value Chain

Chronic Kidney Disease



Principles of Value-Based Competition

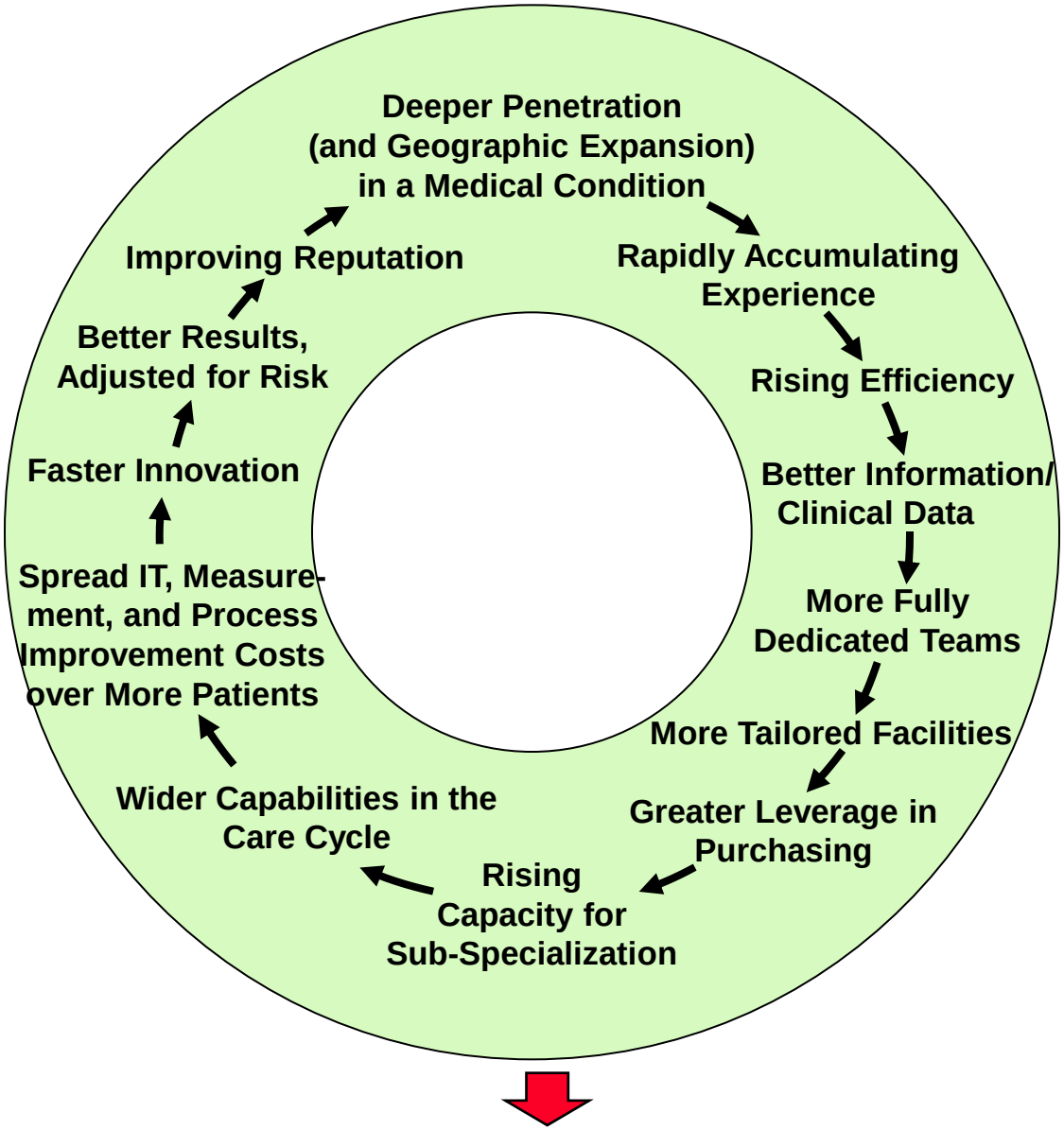
1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should **center on medical conditions** over the **full cycle of care**.
4. High quality care should be **less** costly.
   - Right diagnosis
   - Right treatment to the right patients
   - Fewer mistakes and repeats in treatment
   - Reducing delays in care delivery
   - Faster recovery
   - Less invasive treatment methods
   - Less disability
   - Less long term care
   - Prevention
   - Treatment earlier in causal chain
   - Slower disease progression

- Better health is inherently less expensive than worse health

Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should **center on medical conditions** over the **full cycle of care**.
4. High quality care should be **less** costly.
5. Value is driven by provider **experience**, **scale**, and **learning** at the **medical condition level.**

The Virtuous Circle in a Medical Condition



- Feed virtuous circles vs. institutionalize fragmentation

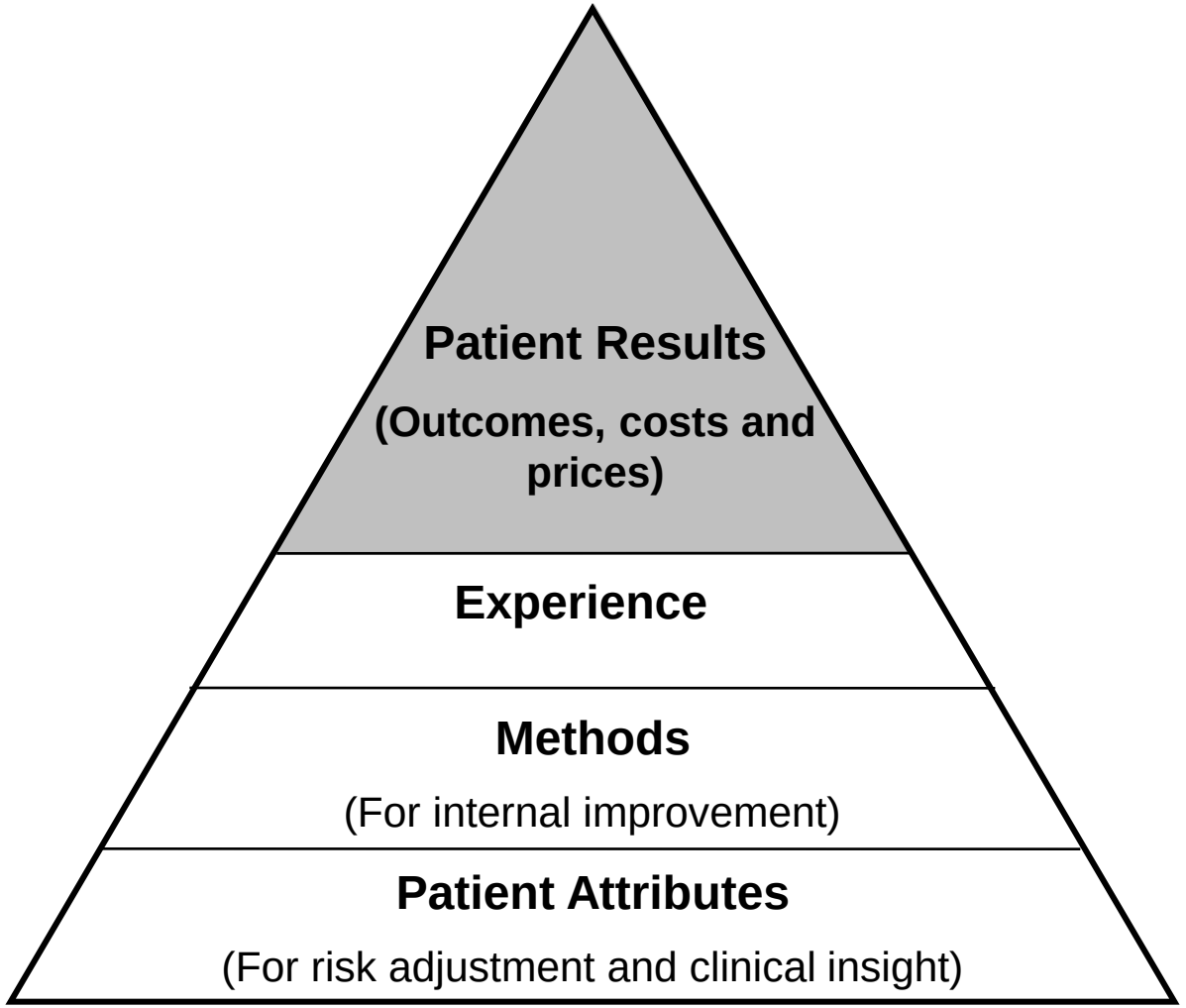
Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should **center on medical conditions** over the **full cycle of care**.
4. High quality care should be **less** costly.
5. Value is driven by **provider experience**, **scale**, and **learning** at the medical condition level.
6. Competition should be **regional** and **national**, not just local.
   - Virtuous circles extend across geography
   - Management integration across geography
   - Partnerships and inter-organizational integration

Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should **center on medical conditions** over the **full cycle of care**.
4. High quality care should be **less** costly.
5. Value is driven by **provider experience**, **scale**, and **learning** at the medical condition level.
6. Competition should be **regional** and **national**, not just local.
7. **Information** on results and prices needed for value-based competition must be widely available.

The Information Hierarchy



Boston Spine Group

Clinical and Outcome Information Collected and Analyzed

OUTCOMES

Patient Outcomes

(*before and after treatment, multiple times*)

Visual Analog Scale (pain)

Owestry Disability Index, 10 questions (functional ability)

SF-36 Questionnaire, 36 questions (burden of disease)

Length of hospital stay

Time to return to work or normal activity

Service Satisfaction

(*periodic*)

Office visit satisfaction metrics (10 questions)

Overall medical satisfaction

("Would you have surgery again for the same problem?")

Medical Complications

Cardiac

- Myocardial infarction
- Arrhythmias
- Congestive heart failure

Vascular deep venous thrombosis

Urinary infections

Pneumonia

Post-operative delirium

Drug interactions

Surgery Complications

Patient returns to the operating room

Infection

Nerve injury

Sentinel events (wrong site surgeries)

Hardware failure

METHODS

Surgery Process Metrics

Operative time

Blood loss

Devices or products used

Principles of Value-Based Competition

1. The focus should be on **value for patients**, not just lowering costs.
2. There must be **unrestricted competition** based on **results**.
3. Competition should **center on medical conditions** over the **full cycle of care**.
4. High quality care should be **less** costly.
5. Value is driven by **provider experience**, **scale**, and **learning** at the medical condition level.
6. Competition should be **regional** and **national**, not just local.
7. **Information** on results and prices needed for value-based competition must be widely available.
8. **Innovations** that increase value must be strongly rewarded.

Moving to Value-Based Competition
Providers

Defining the Right Goals

- Superior **patient value**

Strategic and Organizational Imperatives

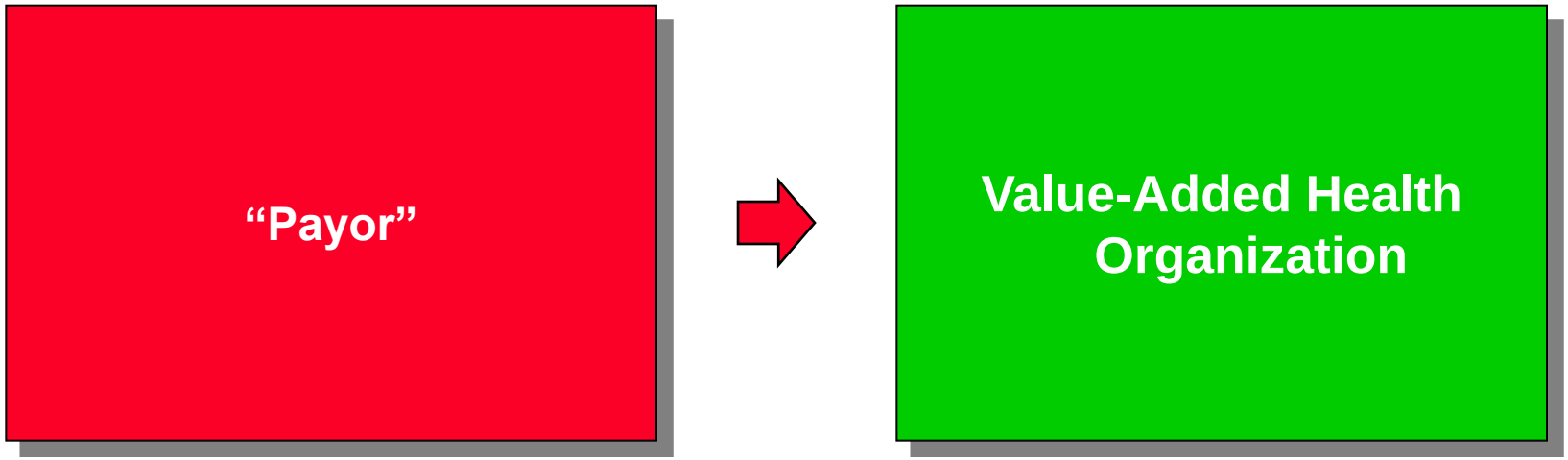
- Redefine the business around **medical conditions**
- Choose the **range and types of services provided**
- Organize around **medically integrated practice units**
- Create a **distinctive strategy** in each practice unit
- Measure **results**, **experience**, **methods**, and **patient attributes** by practice unit
- Move to **single bills** and new approaches to **pricing**
- **Market** services based on excellence, uniqueness, and results
- Grow locally and geographically in **areas of strength**

Analyzing the Care Delivery Value Chain

1. Is the **set and sequence** of activities in the CDVC aligned with value?
2. Is the appropriate **mix of skills** brought to bear on each activity and across activities, and do individuals work as a **team**?
3. Is there **appropriate coordination** across the discrete activities in the care cycle, and are handoffs seamless?
4. Is care structured to **harness linkages** across different parts of the care cycle?
5. Is the **right information** collected, integrated, and utilized across the care cycle?
6. Are the activities in the CDVC performed in **appropriate facilities and locations**?
7. What provider departments, units and groups are involved in the care cycle? Is the provider's **organizational structure** aligned with value?
8. What are the **independent entities** involved in the care cycle, and what are the relationships among them? Should a provider's **scope of services** in the care cycle be expanded or contracted?

Moving to Value-Based Competition

Health Plans



Moving to Value-Based Competition

Consumers

- Participate actively in **managing personal health**
- Expect **relevant information** and seek advice
- Make treatment and provider **choices** based on **excellent results** and **personal values**, not convenience or amenities
- Choose a health plan based on **value added**
- Build a **long-term relationship** with an excellent health plan
- Act **responsibly**

- Consumers cannot (and should not) be the **only** drivers

Moving to Value-Based Competition
Health Plans

Provide Health Information and Support to Patients and Physicians

1. Organize around **medical conditions**, not geography or administrative functions
2. Develop measures and assemble results **information** on providers and treatments
3. Actively **support provider** and **treatment choice** with information and unbiased counseling
4. Organize information and patient support around the **full cycle of care**
5. Provide comprehensive **disease management** and **prevention** services to all members, even healthy ones

Restructure the Health Plan-Provider Relationship

6. Shift the nature of **information sharing** with providers
7. Reward provider **excellence** and value-enhancing **innovation** for patients
8. Move to **single bills** for episodes and cycles of care, and **single prices**
9. Simplify, standardize, and eliminate **paperwork** and **transactions**

Redefine the Health Plan-Subscriber Relationship

10. Move to **multi-year subscriber contracts** and shift the nature of plan contracting
11. **End cost shifting practices**, such as re-underwriting, that erode trust in health plans and breed cynicism
12. Assist in managing **members' medical records**

Roles of Government in Value-Based Competition

- Require the collection and dissemination of the **risk-adjusted outcome information**
- Open up **value-based competition** at the right level
- Enable bundled prices and price **transparency**
- Limit or eliminate **price discrimination**
- Develop information technology standards and rules to enable **interoperability** and **information sharing**
- Invest in medical and clinical **research**

How Will Redefining Health Care Begin?

- It is **already happening**!
- Each **system** participant can take **voluntary** steps in these directions, and will **benefit** irrespective of other changes.
- The changes are **mutually reinforcing**.
- Once competition begins working, value improvement will **no longer be discretionary** or **optional**
- Those organizations that **move early** will gain major benefits.