

Quality Measurement Meaningful to Patients

Judith Hibbard, DrPH
University of Oregon



What is Meaningful to Patients

- ▶ Data that is patient generated, such a patient experience data, is understandable and often most meaningful
- ▶ Other patient generated data would also likely be meaningful
 - ▶ Improvements in health status and functioning
 - ▶ Improvements in ability to self-manage conditions



Criteria for Patient Generated Performance Measures

- ▶ Valid and reliable measures
- ▶ Measures that can be used to improve performance – that are actionable
- ▶ Measures that can be used to inform the medical encounter, and improve the care of the patient providing the information
- ▶ Measures that are sensitive enough to reflect changes resulting from medical intervention
- ▶ Measures that would shift the focus of performance to an area that consumers value and understand.



Patient Knowledge, Skill and Confidence for Self-Management

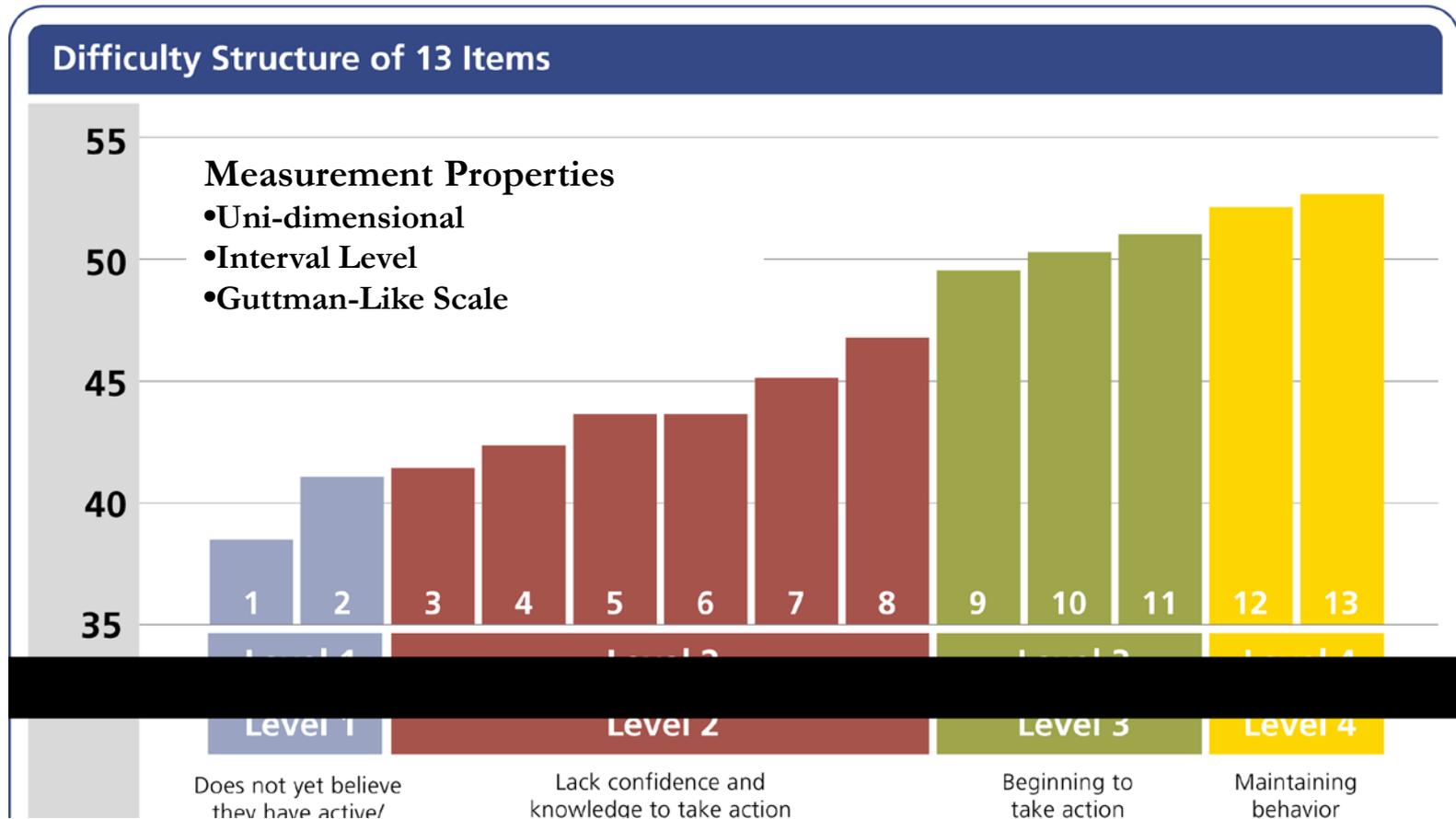
- ▶ If we start with the assumption that an important outcome of high quality care is that patients should be gaining in their ability to self-management.....
- ▶ Then we should be measuring and tracking improvements in activation as an intermediate outcome of care





Patient Activation Is Measurable

Difficulty Structure of 13 Item PAM

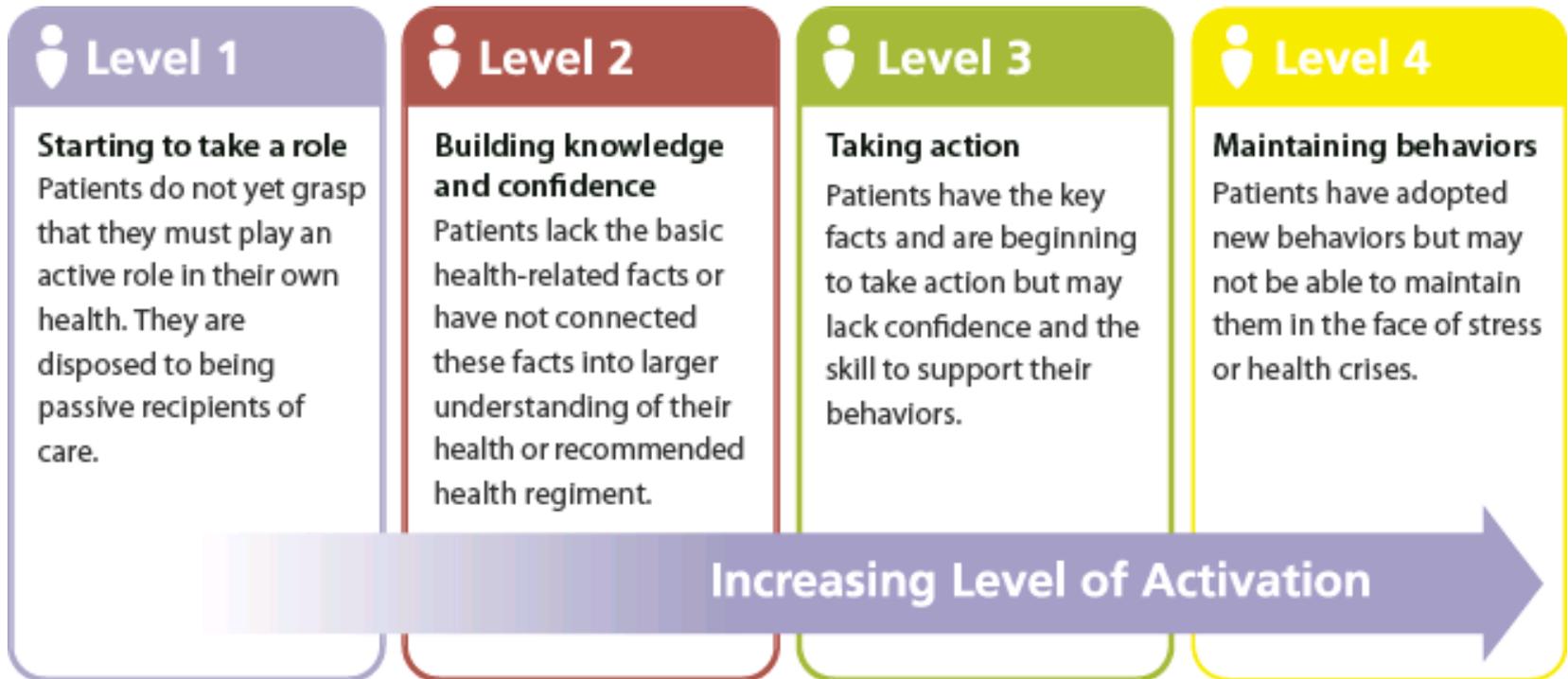


PAM 13 Question

| | |
|---------|--|
| Level 1 | When all is said and done, I am the person who is responsible for taking care of my health |
| | Taking an active role in my own health care is the most important thing that affects my health |
| Level 2 | I am confident I can help prevent or reduce problems associated with my health |
| | I know what each of my prescribed medications do |
| | I am confident that I can tell whether I need to go to the doctor or whether I can take care of a health problem myself. |
| | I am confident that I can tell a doctor concerns I have even when he or she does not ask. |
| | I am confident that I can follow through on medical treatments I may need to do at home |
| Level 3 | I understand my health problems and what causes them. |
| | I know what treatments are available for my health problems |
| | I have been able to maintain (keep up with) lifestyle changes, like eating right or exercising |
| Level 4 | I know how to prevent problems with my health |
| | I am confident I can figure out solutions when new problems arise with my health. |
| | I am confident that I can maintain lifestyle changes, like eating right and exercising, even during times of stress. |

* Related instruments: PAM 10, PAM 2, Clinician PAM

Activation is developmental



Source: J.Hibbard, University of Oregon

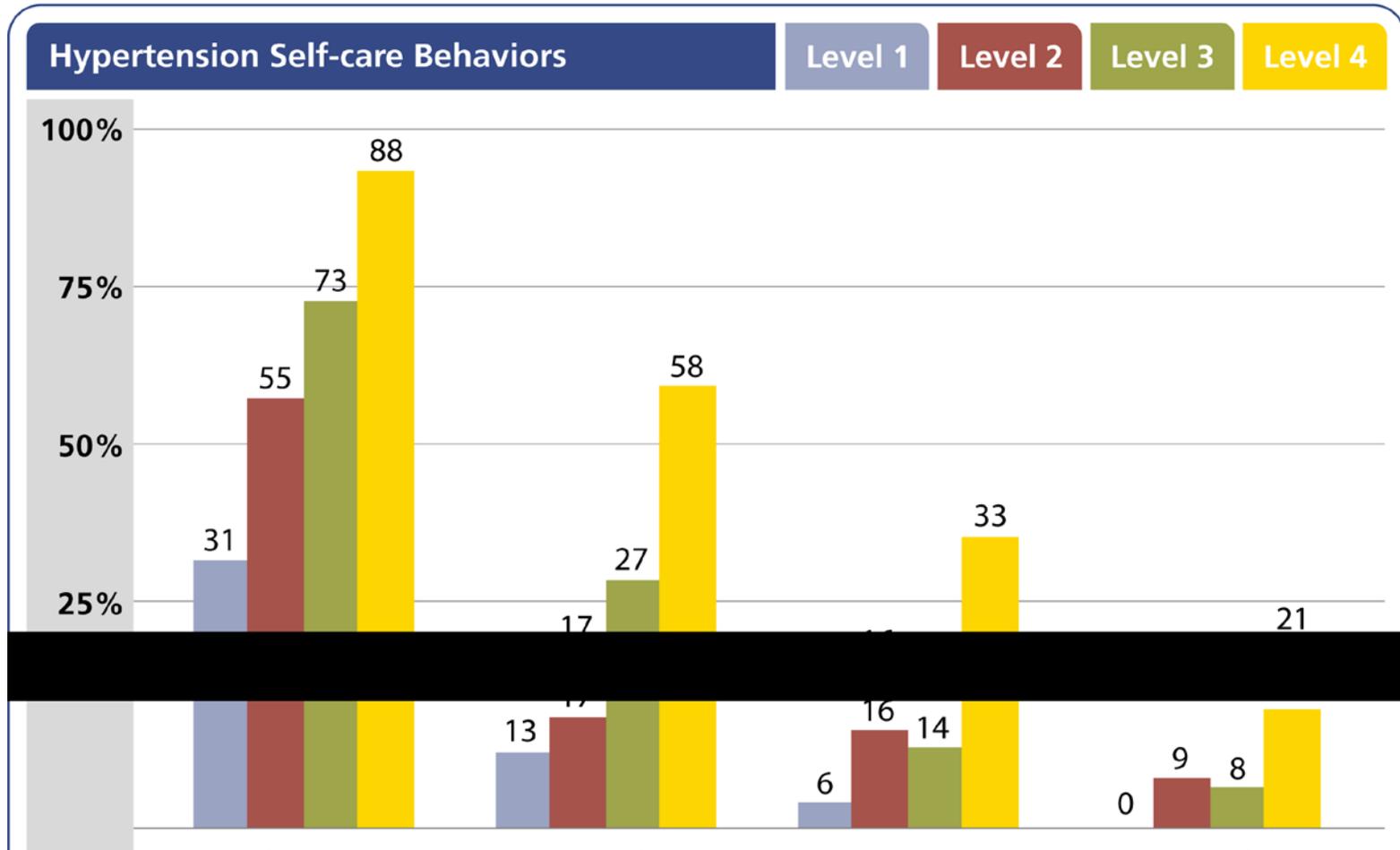
Activation Level is Predictive of Behaviors

Research consistently finds that those who are more activated are:

- ▶ Engaged in more preventive behaviors
- ▶ Engaged in more healthy behaviors
- ▶ Engaged in more disease specific self-management behaviors
- ▶ Engaged in more health information seeking behaviors



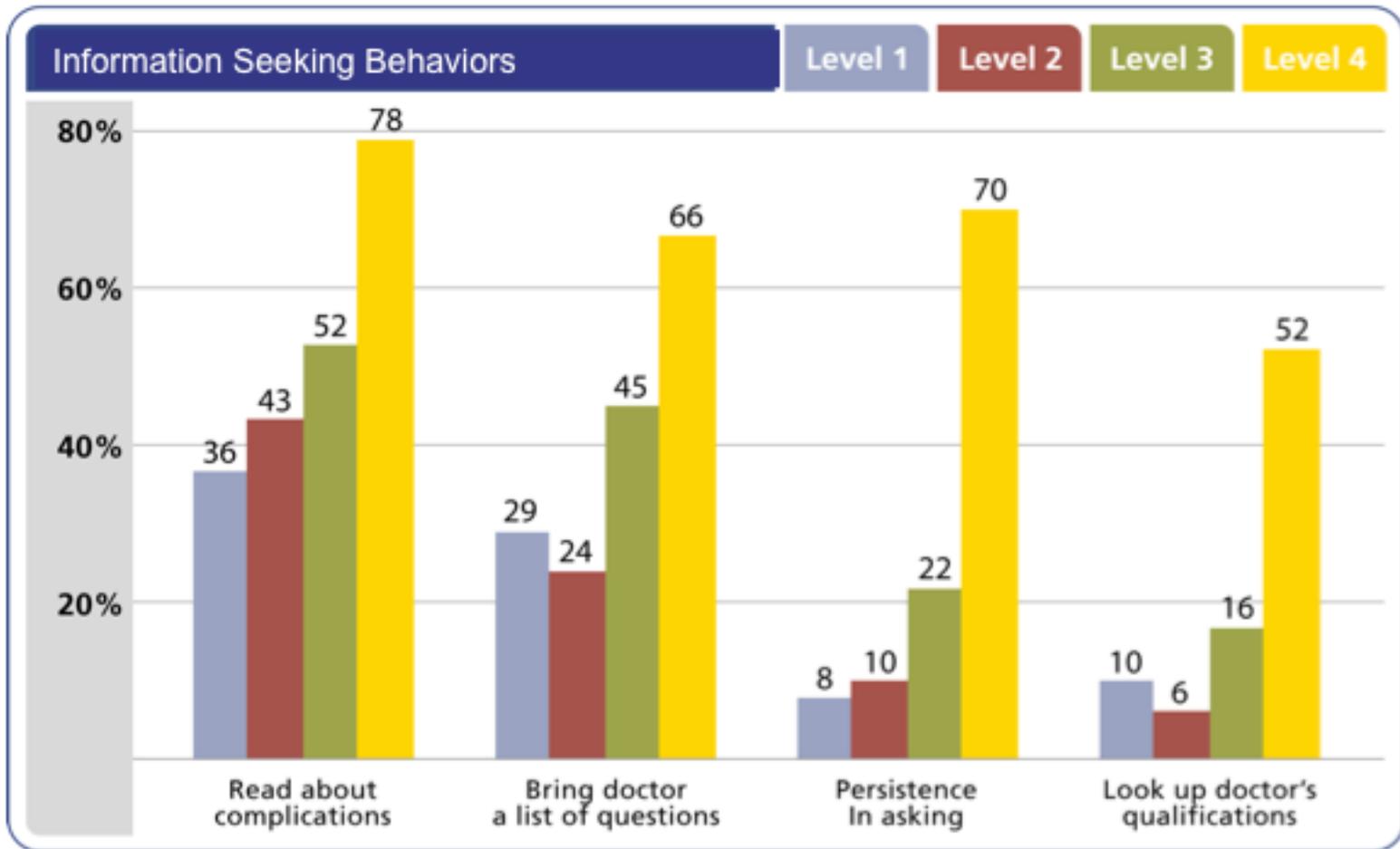
Level of activation is linked with each behavior



Source: US National sample 2004



Behaviors in Medical Encounter by Activation Level





Insights

- ▶ Use activation level to determine what are realistic “next steps” for individuals to take
- ▶ Many of the behaviors we are asking of people are only done by those in highest level of activation
- ▶ When we focus on the more complex and difficult behaviors— we discourage the least activated
- ▶ Start with behaviors more feasible for patients to take on, increases individual’s opportunity to experience success



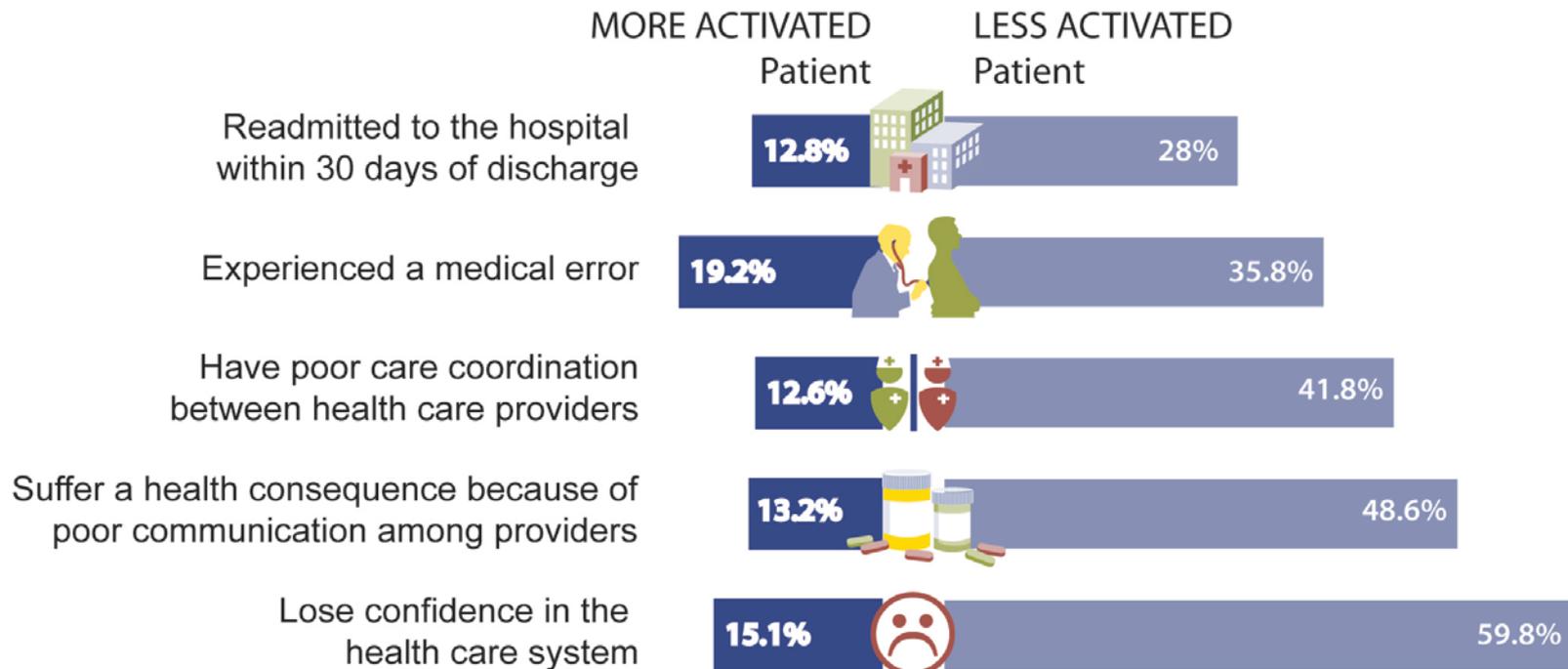
When activation changes several behaviors change

11 of 18 behaviors show significant improvement within the Increased Growth Class compared to the Stable Growth Class



Low activation signals problems (and opportunities)

The **MORE ACTIVATED** you are in your own health care,
the **BETTER HEALTH CARE** you get...



Source: Adapted from AARP & You, "Beyond 50.09" Patient Survey. Published in AARP Magazine. Study population age 50+ with at least one chronic condition. More Involved=Levels 3 & 4, Less Involved=Levels 1 & 2

Activation can predict utilization and health outcomes two years into the future for diabetics

| | % change for a 1 point change in PAM Score | 10 Point Gain in PAM Score 54 (L2) vs. 64(L3) | <i>P</i> |
|-------------------------------|--|---|----------|
| Hospitalization | 1.7% decline | 17% decreased likelihood of hospitalization | .03 |
| Good A1c control (HgA1c < 8%) | 1.8% gain | 18% greater likelihood of good glycemic control | .01 |
| A1c testing | 3.4% gain | 34% greater likelihood of testing | .01 |
| LDL-c testing | | | |

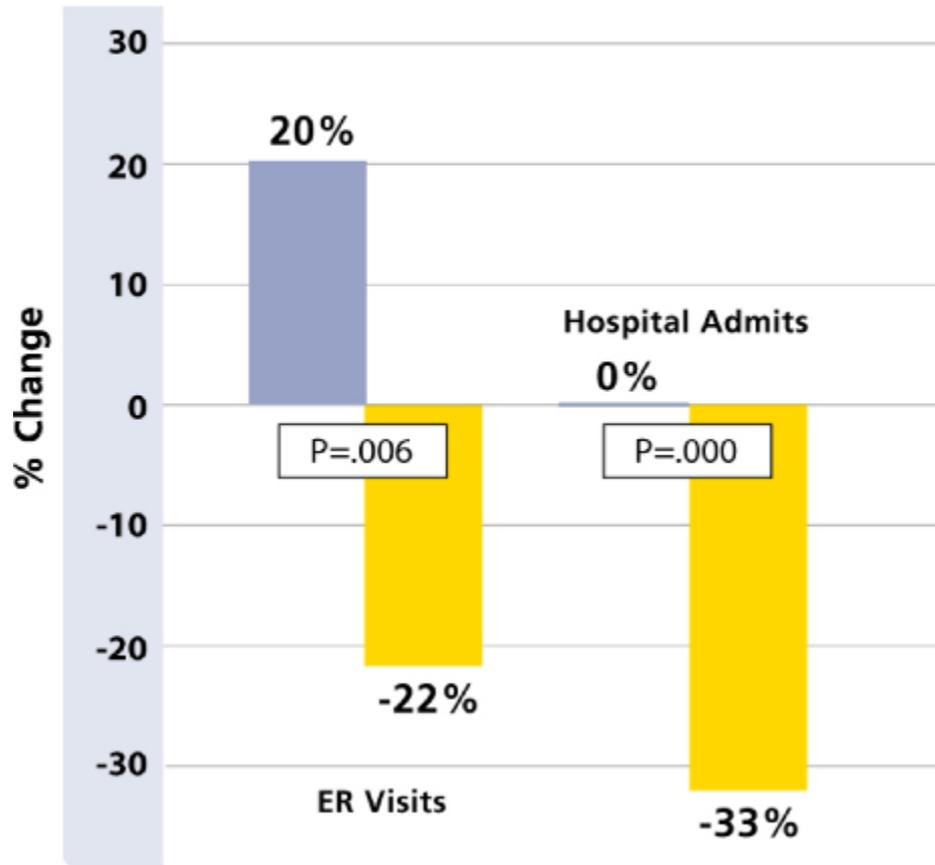
Carol Remmers. *The Relationship Between the Patient Activation Measure, Future Health Outcomes, and Health Care Utilization Among Patients with Diabetes*. Kaiser Care Management Institute, PhD Dissertation.

Multivariate analysis which controlled for age group, gender, race, comorbidities and number of diabetes-related prescriptions.



Tailored coaching can improve adherence and reduce unwarranted utilization

Change in Key Utilization Metrics Over 6 Months



Hibbard, J, Green, J, Tusler, M. Improving the Outcomes of Disease Management by Tailoring Care to the Patient's Level of Activation. The American Journal of Managed Care, V.15, 6. June 2009

Clinical Indicators*

Medications: intervention group increased adherence to recommended immunizations and drug regimens to a greater degree than the control group. This included getting influenza vaccine.

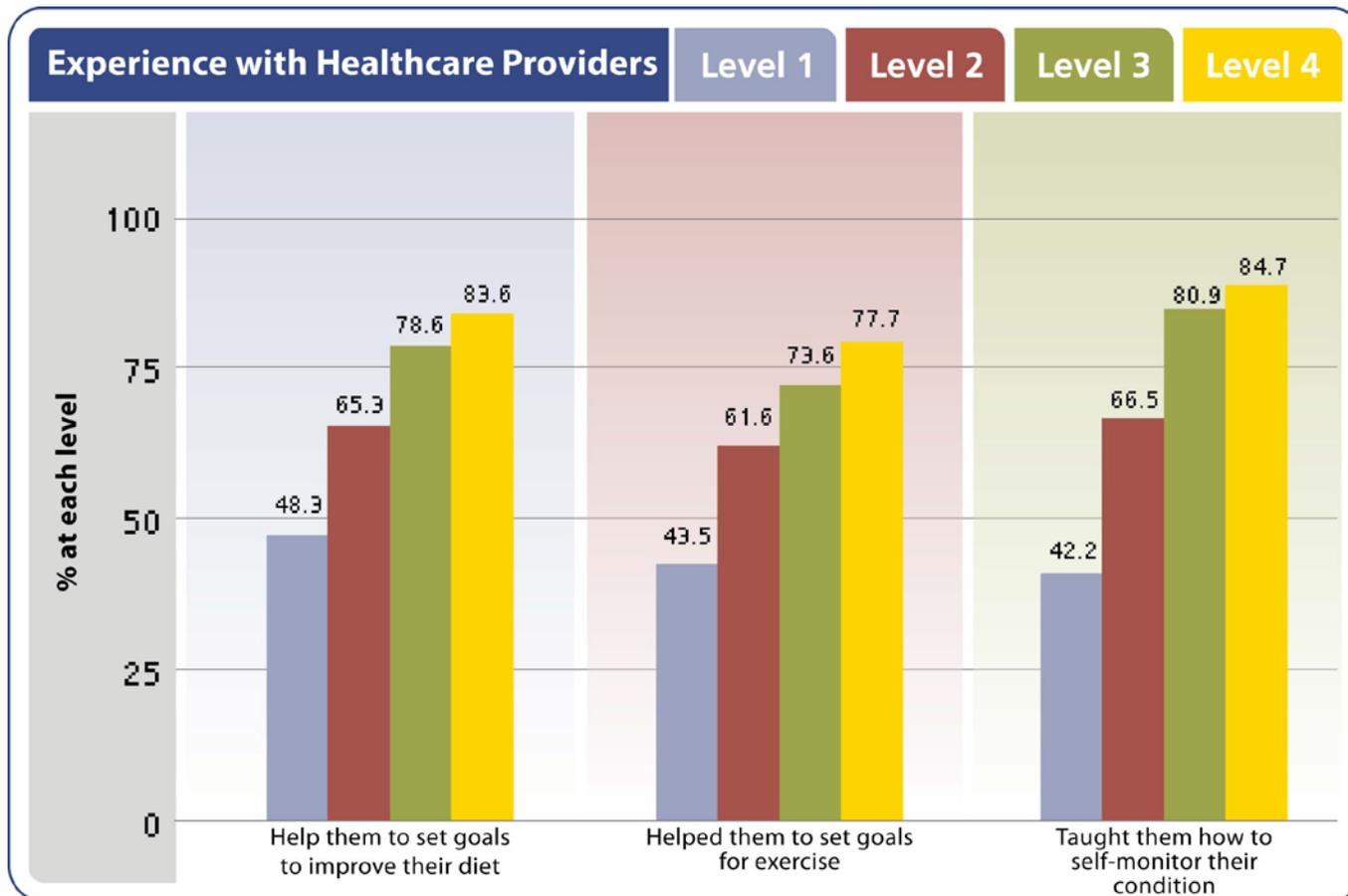
Blood Pressure: Intervention group had a significantly greater drop in diastolic as compared to control group.

LDL: Intervention group had a significantly greater reduction in LDL, as compared to the control group.

A1c: Both intervention and control showed improvements in A1c.

*Using repeated measures, and controlling for baseline measures

Patients who get more support from their Doctors are more activated.



Source: Center For Studying Health System Change 2007 Household Tracking Study
Differences between level 4 and other levels significant at $p < .05$



Summary

Patient Generated Measures

- ▶ **There are valid measures**
 - ▶ Measures that are changeable
 - ▶ Focuses attention on important outcomes of care that currently go unmeasured
- ▶ **Changes assumptions are about what good care entails for both providers and patients.**

