

Care Fragmentation

IOM

09/09/09

What is care fragmentation?

- § The lack of the necessary resources available to the patient to manage his/her condition in a timely fashion.

What are the signs of care fragmentation?

- § Waiting weeks for appointments with doctors
- § Using the E.R. for primary care
- § Multiple different physician visits to manage a single condition
- § Patients with no understanding of their disease or care plan

What are the outcomes of care fragmentation?

- § 100 million medication errors/yr
- § 100-200,000 unnecessary deaths/yr
- § 15 million iatrogenic injuries/yr
- § Costs almost twice as high as other developed nations
- § Poor population health outcomes(just above Cuba in life expectancy)

Why does care fragmentation exist?

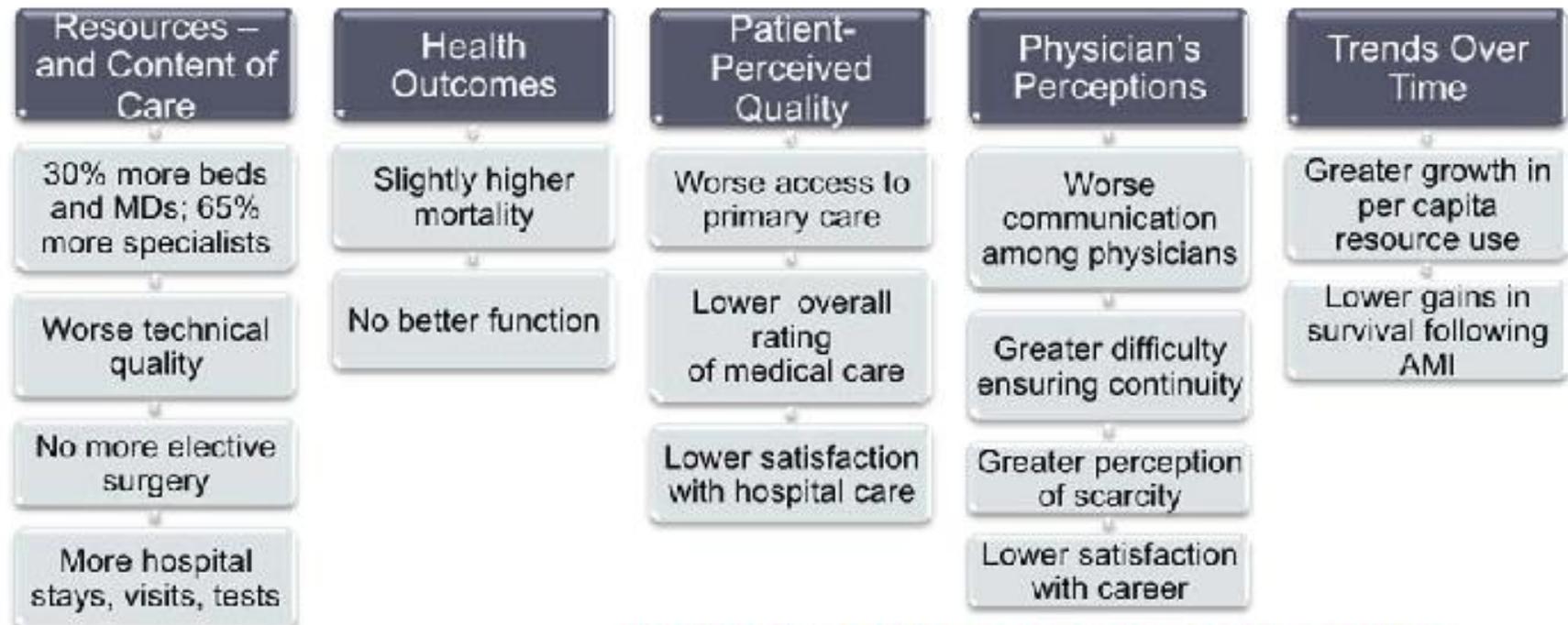
Care is designed around the institution or specialty not the patient, why?

Doctors are in sub specialized silos which don't cross specialties, why?

The higher the technical and procedural skill level(the taller the silo) the more physicians and hospitals have been rewarded,why?

**It has been assumed that
higher specialization leads to
better health outcomes**

What do high spending regions get? The paradox of plenty



If all U.S. regions could adopt practice patterns of most conservative fifth of US, Medicare spending would decline by 30%

- (1) Fisher et al. *Ann Intern Med*: 2003; 138: 273-298
- (2) Baicker et al. *Health Affairs* web exclusives, October 7, 2004
- (3) Fisher et al. *Health Affairs*, web exclusives, Nov 16, 2005
- (4) Skinner et al. *Health Affairs* web exclusives, Feb 7, 2006
- (5) Sirovich et al *Ann Intern Med*: 2006; 144: 641-649
- (6) Fowler et al. *JAMA*: 299: 2406-2412



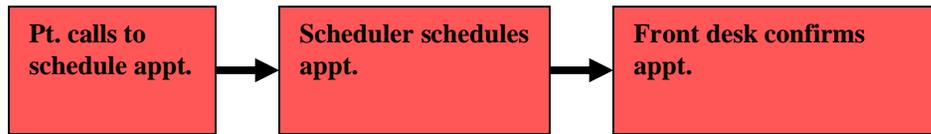
**So what if we designed a care
system around delivering better
value to the patient?**

**Health Care Value Leaders
Network**

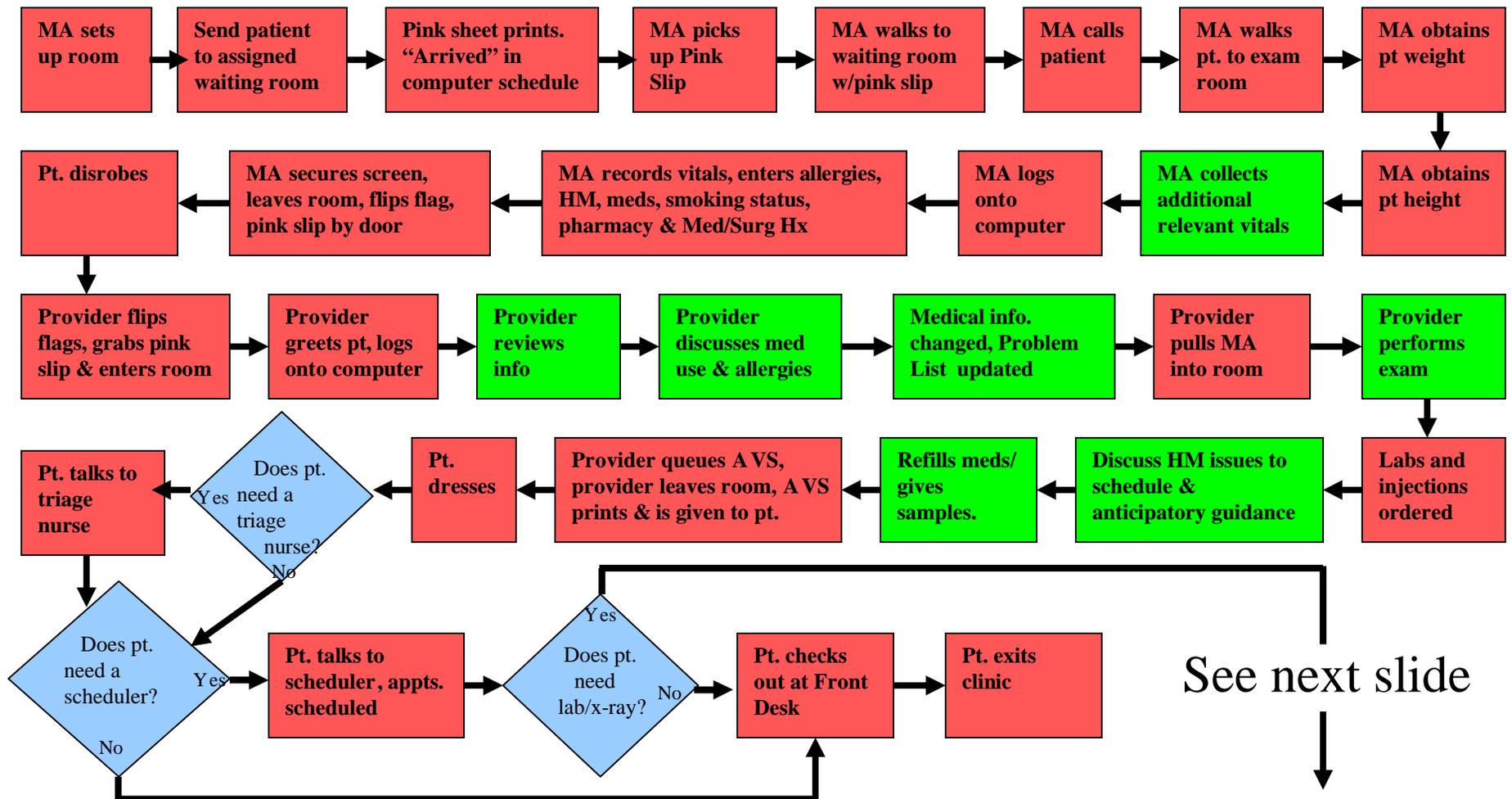
www.healthcarevalueleaders.org

Adult Before

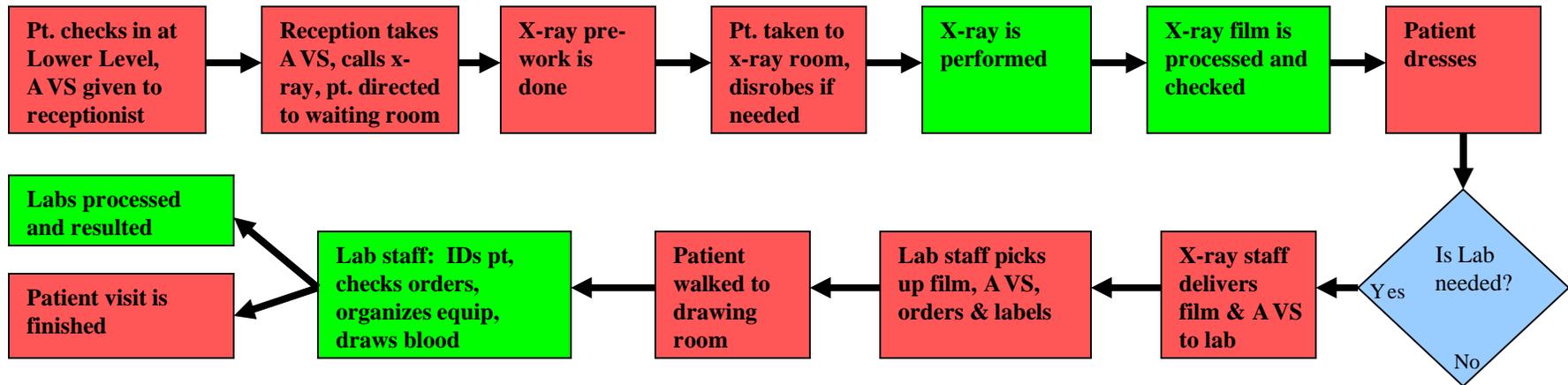
Pre Visit



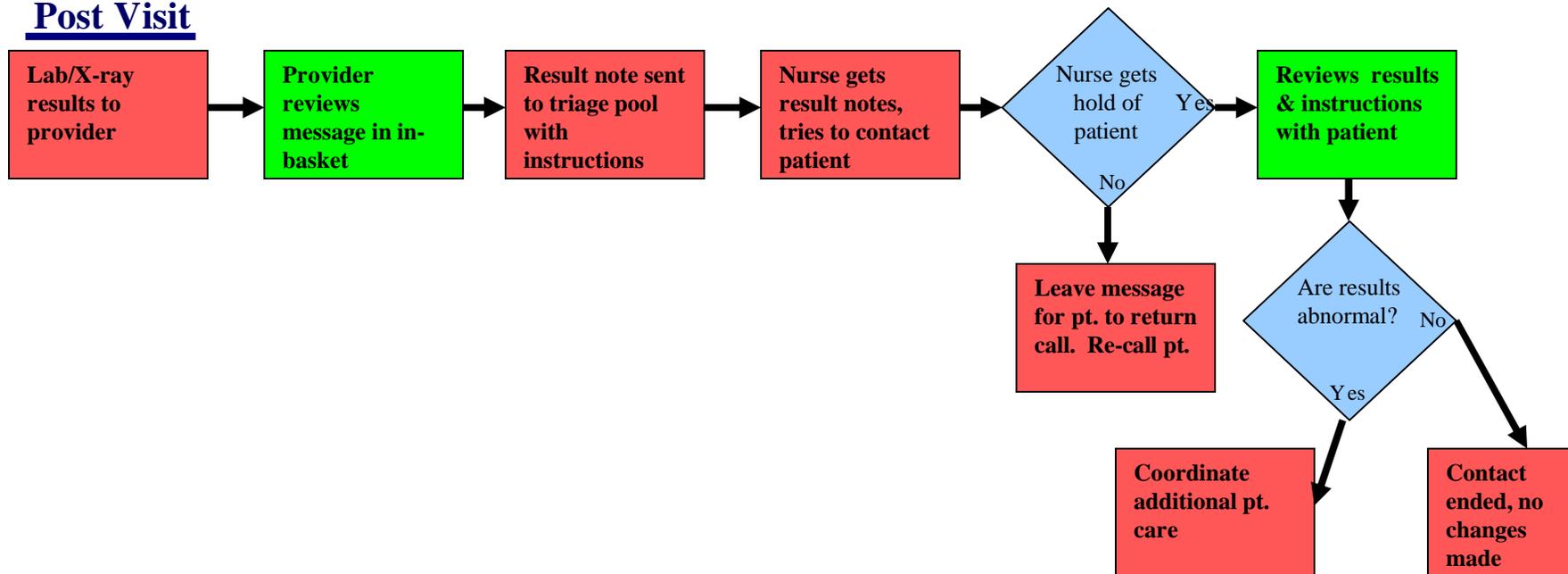
Visit



Adult Before (continued)

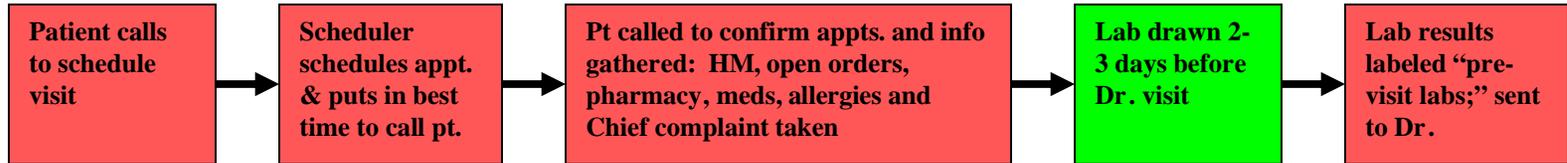


Post Visit

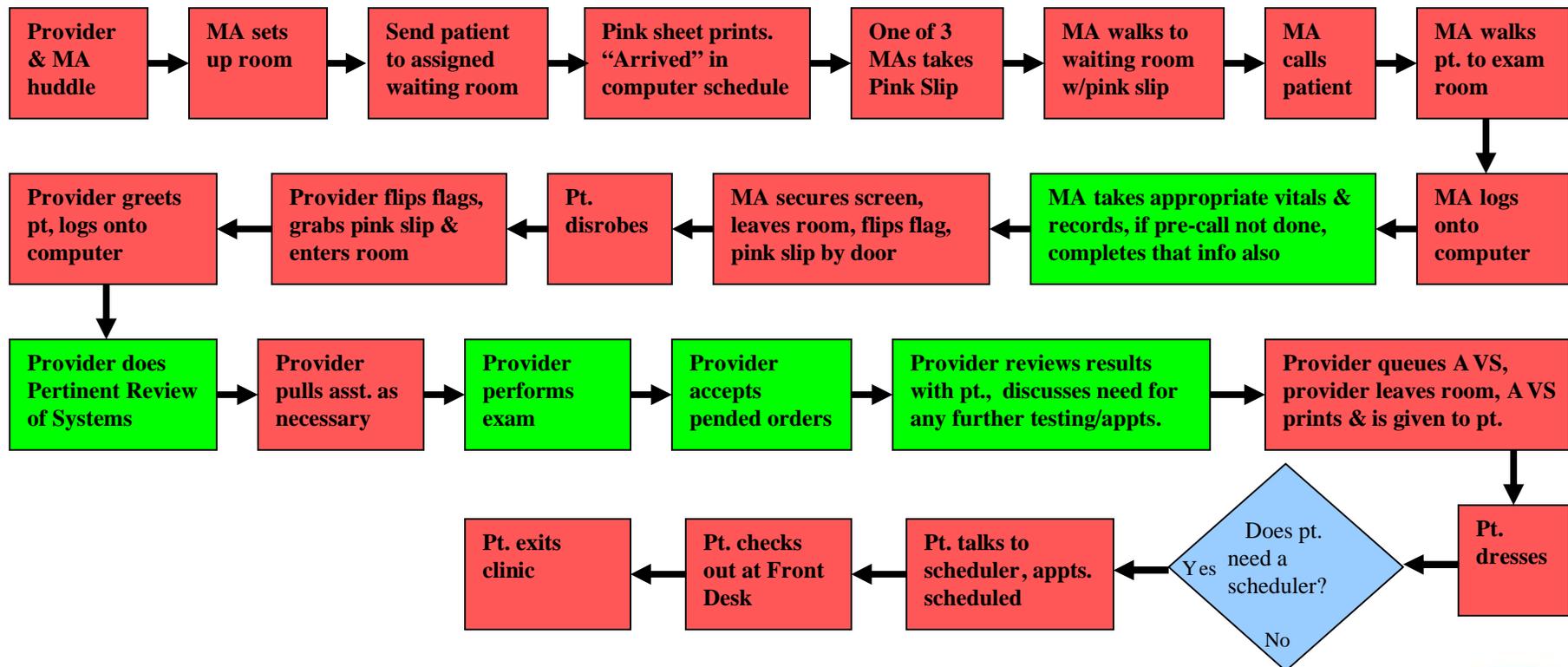


Adult After

Pre Visit



Visit





- Tech x3
- SPD x1
- RN x2
- Aves 

Results

- § Group Health of Puget Sound reduced E.R. visits by 29% using their medical home saving 54 dollars/pt/yr
- § U.of Michigan reduced the no. of patients requiring dialysis by 60% after PCI saving 8 million dollars. Also saved 23 million dollars in PGP demo while improving better quality
- § Thedacare's Collaborative care unit achieved 0 medication reconciliation errors for 2 years cost of inpatient care dropped by 25%
- § Gunderson Lutheran's care coordination process including end of life work makes them 50% less expensive than national average per medicare enrollee

Are accountable care organizations and medical homes as presently being discussed designed around creating value for patients?