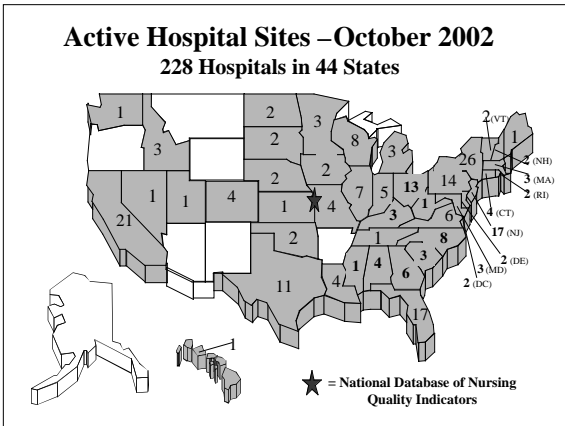


### Today's Objectives

- Describe NDNQI
- Describe relationship between nurse staffing and patient falls

### NDNQI Is Unique

- National representation
- Data at unit level
- Contains data on both nurse staffing and patient outcomes



### NDNQI Hospitals vs. All US Community Hospitals

- Self-selected
- Interested in quality programs
- More larger hospitals
- More not-for-profits

| Category       | Percentage |
|----------------|------------|
| Not-for-profit | 93%        |
| For-profit     | 7%         |

# NDNQI Indicators

What Kind of Information Does the Database Contain?

## Data by Hospital Size and Unit Type

- < 100 beds
- 100-199
- 200-299
- 300-399
- 400-499
- 500+
- Critical Care
- Step-down
- Medical
- Surgical
- Med/Surg

## 10 Quality Indicators

- Staffing
  - Nursing care hours
  - Staff mix
  - RN education
- Falls
- Pressure Ulcers
- RN Satisfaction
- Hospital demographics
- In Development
  - Patient satisfaction
    - Nursing Care
    - Pain Management
    - Education
    - Hospital stay
  - Nosocomial Infections

## 2<sup>nd</sup> Quarter 2002 Data

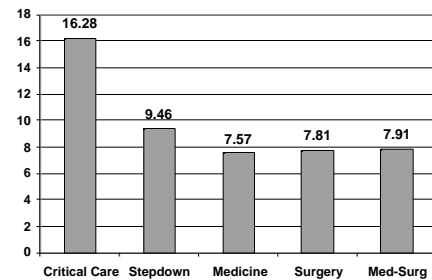
- 42 states
- 188 hospitals
- 1,550 units

## Staffing

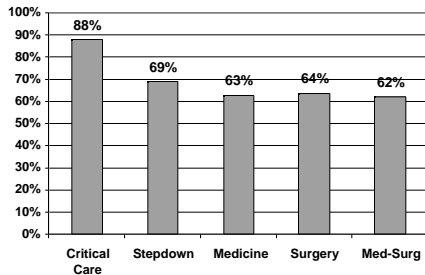


- Little variation in nursing hours per patient day by hospital size

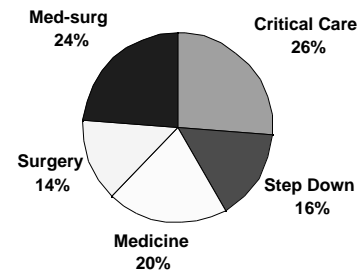
## Critical Care Has Highest Hours of Nursing Care



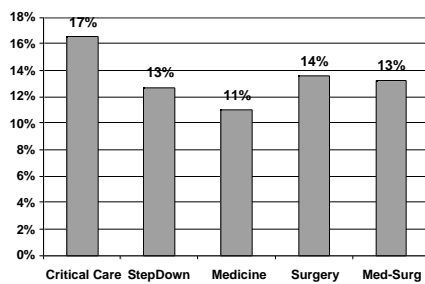
### Skill Mix Highest on Critical Care Units



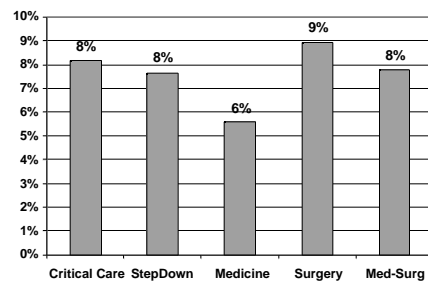
### 180 Hospitals Reported Falls



### Most Falls Not Observed

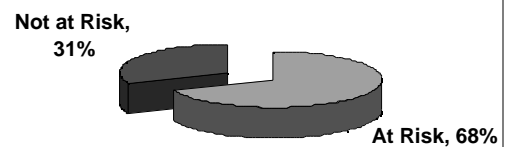


### Most Falls Not Assisted

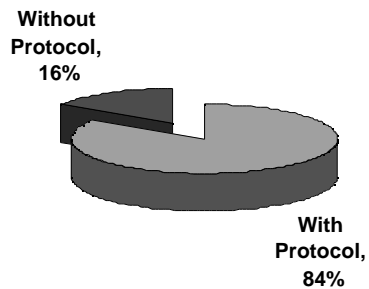


23% Falls Had Not  
Been Assessed  
for Fall Risk

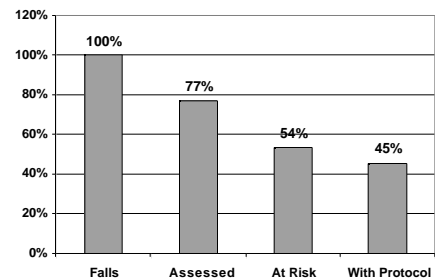
### Of Those Assessed 1/3 Assessed Not at Risk\*\*



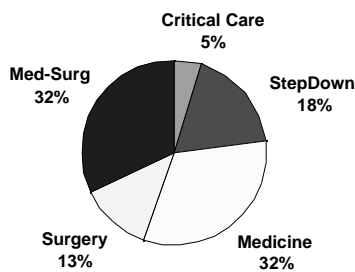
### Most Assessed "At Risk" Had a Fall Protocol in Place



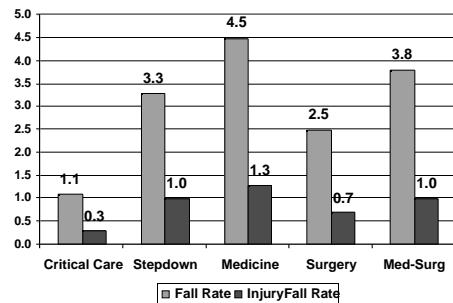
### 45% Falls Had Expected Care



### Medicine & Med-Surg Had Most Falls



### Medicine Units Had Highest Fall Rates and Injury Fall Rates



### Nurse Staffing Related To Fall Rates

- Total Nursing Hours Per Patient Day was significantly, negatively related to the Total Fall Rate
  - Step Down, Medicine, and Surgery Units
- Skill Mix was significantly, negatively related to the Total Fall Rate
  - Critical Care Units

### Nurse Staffing Related to Injury Fall Rates

- Total Nursing Hours Per Patient Day negatively related to Injury Fall Rate on
  - Step Down and Medicine units
- Skill Mix negatively related to Injury Fall Rate on
  - Critical Care and Surgery units

## ISSUES with Falls

- Different assessment tools
- Timing of assessment varies
- Level of injury definitions

## ISSUES with Staffing

- Direct care hours
- Observation beds

