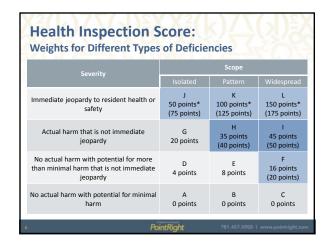


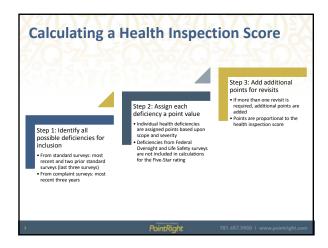


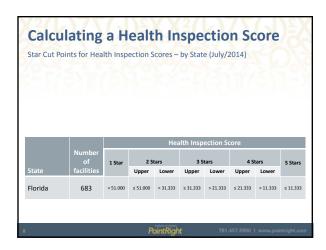
Types of A	Available Data	$X_{i}(k)X_{i}(k)$
1.	10.	ZZ-7Z, O) 9
2.	11.	SYTTEM
3.	12.	
4.	13.	
5.	14.	
6.	15.	
7.	16.	
8.		
9.		
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### **Metrics to Examine Today** 1. Survey/Regulatory 2. Staffing (RN) 3. ALOS 4. Rehospitalization









## Calculating a Five-Star Distribution CMS' Five-Star quality ratings on the health inspection domain are based on the relative performance of facilities within a State Facility ratings are determined using these criteria: The top 10% (facilities with lowest 10% of health inspection deficiency score) in each State receive a Five-Star rating The middle 70% of facilities receive a rating of two, three, or four stars, with an equal number (approximately 23.33%) in each rating category The bottom 20% of facilities receive a one-star rating

### Who are you using as a benchmark?

- Sample Care from Florida
  - Their total Survey/SFF Score was 40
  - Their current Survey Rating is a 2

State	Survey Composite Score	Five-Star Rating
NC	40	1
FL	40	2
CA	40	3
MI	40	4
PR	40	5

· "Good" is relative

### Two Measures Comprise the Staffing Domain

- The Five-Star Rating for staffing is based on two case-mix adjusted measures:
  - Total nursing hours per resident day
    - RN + LPN + Nurse Aide hours
  - RN hours per resident day





### **Source Data for Staffing**

- CMS-671
  - Completed during the standard survey process
  - RN (F39+F40+F41)
  - LPN (F42)
  - CNA (F43+F44+F45)
- CMS-672 Resident Census and Condition
  - Total residents (F78)
    - Total residents in the facility for whom a bed is being maintained on the day the survey begins

### Staff/Resident Ratios are Adjusted • Case-mix adjusted measures of "hours per resident day" are calculated for each facility for each staff type using this formula: Hrs. Adjusted Hrs. Reported Hrs. Expected Hrs

## Staff/Resident Ratios are Adjusted Hours National Average is the mean across all facilities for a given staff type. Hours Expected are based on the distribution of residents by RUG-III group in the quarter closest to the date of the most recent standard survey. How does CMS know about your residents' case-mix? The distribution of residents by RUG-III group is determined using the most recent MDS assessment for current residents of the nursing home on the last day of the quarter.

## Sum the nursing times (from the CMS Time Study) connected to each RUG category across all residents in the category and across all categories. The hours are then divided by the number of residents reported through your MDS data for that time period. The result is the "expected" number of hours for the nursing home. Hours Adjusted = (Hours Reported Hours Expected) \* Hours National Average

### **National Average**

- "National average" hours represent the unadjusted national mean of the reported hours across all facilities for July 2012.
- These national averages will be held constant for an initial two-year period, after which CMS will review this decision.

Hours Adjusted = (Hours Reported/Hours Expected) \* Hours National Average

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# National Average (July 2012) National average hours per resident per day Total nursing staff 4.0309 Registered Nurses 0.7472



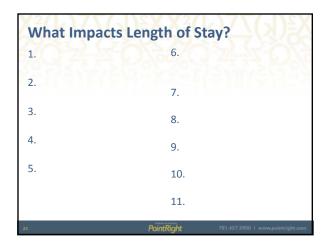
Scoring Method and Thresholds for Staffing Measures						
	1 – Total Rating	2 – Total Rating	3 – Total Rating	4 – Total Rating	5 – Total Rating	
1 – RN Rating	1-Star	1-Star	2-Stars	2-Stars	3-Stars	
2 – RN Rating	1-Star	2-Stars	3-Stars	3-Stars	4-Stars	
3 – RN Rating	2-Stars	3-Stars	4-Stars	4-Stars	4-Stars	
4 – RN Rating	2-Stars	3-Stars	4-Stars	4-Stars	4-Stars	
5 – RN Rating	3-Stars	4-Stars	4-Stars	4-Stars	5-Stars	
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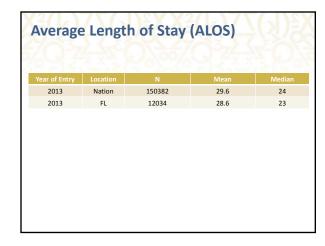


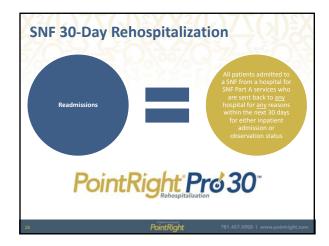


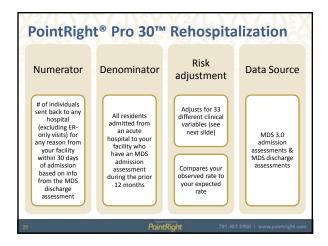


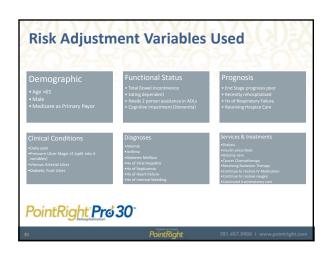
w	hat Impacts Le	ngth o	f Stay?
1.	Co-morbidities	6.	Satisfaction and outcomes
2.	Finances	7.	Age
3.	Functional abilities	8.	Home environment
4.	Families	9.	Engagement/participation
5.	Referral source expectations	10.	Cognition
		11.	Facility location
25		PointRight	781.457.5900   www.pointright.com

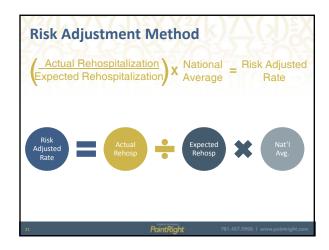
Year of Entry	Location	N	Mean	Median
2013	Nation	150382	29.6	24
2012	Nation	151538	30	24
2011	Nation	146747	30.4	24

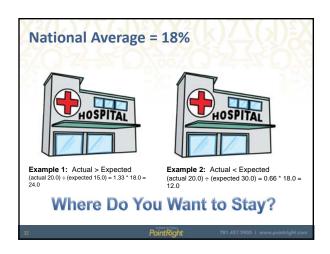


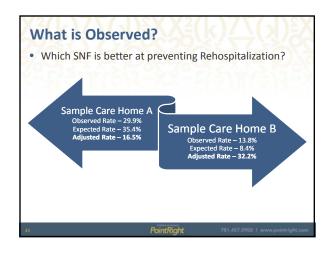












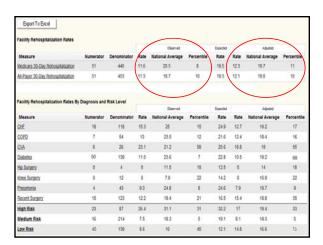
### **Don't Compare Apples to Bananas**

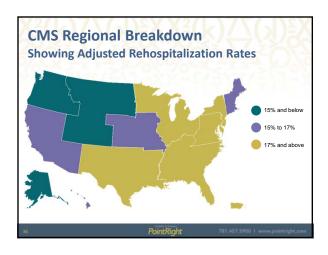
- The reason for consistent adjustment methodology is to create a system for comparison
- Adjusted Rates can now be compared to adjusted rates all across the county
- Observed Rates should NEVER be Compared to Adjusted Rates

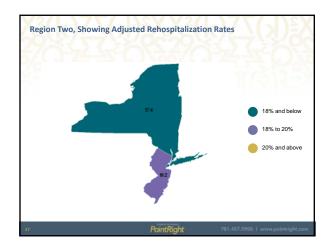
Building	Observed Rate	Expected Rate	Adjusted Rate	Conclusion
SNF A	25%	26%	19.9	Better than Average
SNF B	25%	25%	20.7	Average
SNF C	25%	24%	21.6	Worse than Average

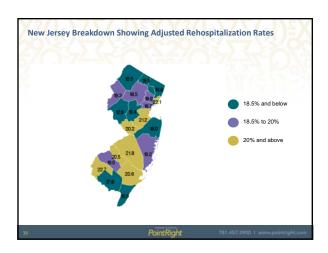
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# Dashboards Everyone wants the same thing One login – one view- all the warnings- no noise If only it could be that simple.... Do you have a dashboard? Whose Dashboard could you be using? Dashboards for every budget!





# Ask your Vendors about adding to your dashboard Web API technology Integration of multiple data sets into whatever one dashboard you want to use Ask about EHR and vendor options EXAMPLE OCTOBER 8, 2014 POINTRIGHT AND PRIME CARE TECHNOLOGIES ANNOUNCE A STRATEGIC ALLIANCE Partnership Combines Industry-Standard Rehospitalization Metrics with Cost and Satisfaction Potagogian One Dashboard to 1 www.pointspaces.

### **Dashboards for Business Intelligence**

- More robust budget
- "BEST" BI platforms are IBM Cognos and Tableau
- Customize views by role
- Flexibility to integrate different types of data
- Cost may prohibit PAC expansion in the absence of Federal Funding
  - PAC overlooked in EHR funding ☺

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# What Can Data Offer? Alerts Query/Drill Down Ad Hoc Reports Standard Reports "What exactly is the problem?" "How many, how often, where?" "What happened?"



