Association of Cancer Executives

Oncology Finances: The Use of Dashboards to Drive Decisions

The James



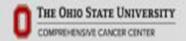
David M. Gosky, MA, MBA

January 27, 2019



OUR VISION

Creating a Cancer-Free World.
One Person,
One Discovery at a Time.





Agenda

- Welcome to ACE
- Introductions of people in the room (name, cancer center/hospital, role and how long in that position)
- I don't actually believe in this topic, sort of
- Background
- Dashboard examples
- Glossary
- Discussion and Questions



Topic at hand

- Understanding key financial metrics and using dashboard data to drive decisions is fundamental to success for all oncology executives
- New executives must understand key terminology
- Knowing what data points to collect to help decision-making is half the battle
- Building a dashboard facilitates decision-making, but decisions should be based on what the patients need, not the impact to the bottom line (recognizing no margin = no mission)

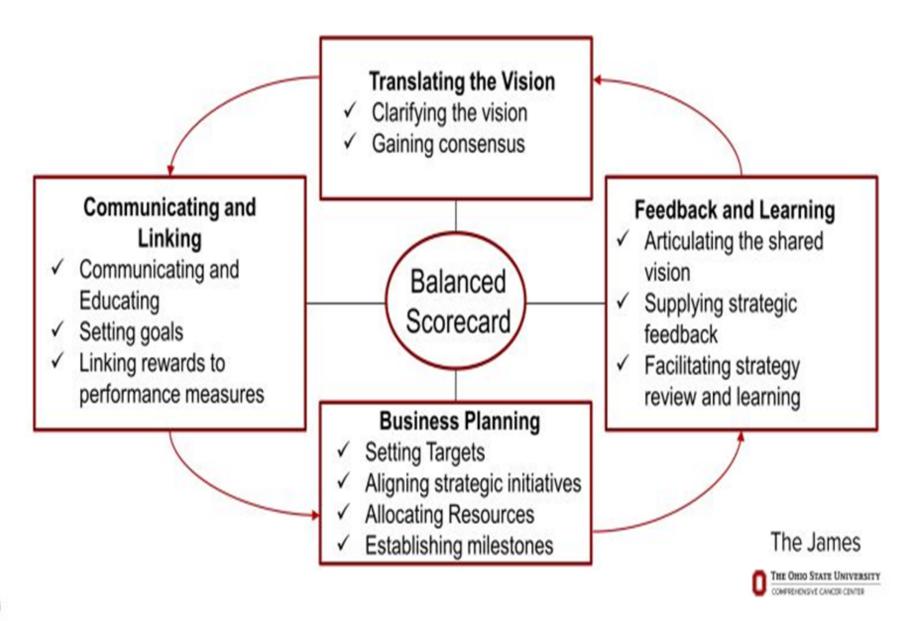


Background

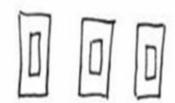
- Robert S. Kaplan and David P. Norton published "Using the Balanced Scorecard as a Strategic Management System" in the Harvard Business Review in January 1996
- Described four processes for managing strategy as part of balanced scorecard



Background (cont'd)



Is this how decisions are made at your hospital?





Important question #1:
Does finance drive the operational decisions or does operations drive the financial decisions?

***not at the table: the people actually doing the work!

"My job is to make decisions. Your job is to make them good decisions."



Dashboards...

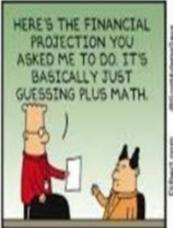
Dashboards? Dashboards?



We don't need no stinking dashboards!!!



Financial Dashboards









MSAC - Patient Activity Summary For the Month and Year Ending November 30, 2018

| Patient Activity November, FY19 | | | | Patient Activity FY19 YTD | | | |
|---------------------------------|--------|--------|------------|-----------------------------|---------|---------|------------|
| | Actual | Budget | % Variance | | Actual | Budget | % Variance |
| Admissions | 1,213 | 1,241 | -2.3% | Admissions | 6,097 | 6,277 | -2.9% |
| Patient Days | 8,127 | 8,458 | -3.9% | Patient Days | 42,668 | 42,239 | 1.0% |
| Average Daily Census | 284 | 287 | -0.9% | Average Daily Census | 288 | 282 | 2.1% |
| Average Length of Stay | 6.70 | 6.82 | -1.7% | Average Length of Stay | 7.00 | 6.73 | 4.0% |
| Surgeries in James OR | 806 | 868 | -7.1% | Surgeries in James OR | 4,465 | 4,548 | -1.8% |
| James Surgeries in All OR's | 844 | 896 | -5.8% | James Surgeries in All OR's | 4,641 | 4,650 | -0.2% |
| Outpatient Visits | 32,529 | 37,096 | -12.3% | Outpatient Visits | 171,044 | 188,014 | -9.0% |
| Chemotherapy Sessions | 4,995 | 4,607 | 8.4% | Chemotherapy Sessions | 24,859 | 23,334 | 6.5% |
| Radiation Treatments | 3,426 | 4,108 | -16.6% | Radiation Treatments | 19,792 | 20,761 | -4.7% |

| Financial Performance November, FY19 (\$ in millions) | | | | | Financial Performan | ce 1 | FY19 YTD (| \$ in | millions) | | |
|---|----|--------|----|--------|---------------------|------------------------------|------------|---------|-----------|---------|------------|
| | A | ctual | В | udget | % Variance | 1 101 0 001 | | Actual | E | Budget | % Variance |
| Operating Revenue | \$ | 119.1 | \$ | 123.0 | -3.1% | Operating Revenue | \$ | 640.0 | \$ | 623.5 | 2.6% |
| Expenses | | (96.5) | 1 | (95.0) | -1.6% | Expenses | | (474.0) | | (470.7) | -0.7% |
| Gain From Operations | \$ | 22.6 | \$ | 28.0 | -19.0% | Gain From Operations | \$ | 165.9 | \$ | 152.8 | 8.6% |
| Non Operating Gain | | 0.3 | | 0.3 | 0.0% | Non Operating Gain | 1 | 4.4 | | 1.3 | 232.1% |
| Medical Center Investments | | (5.6) | ., | (5.6) | 0.0% | Medical Center Investments | 100 | (28.0) | | (28.0) | 0.0% |
| Excess Revenue Over Expenses | \$ | 17.3 | \$ | 22.6 | -23.5% | Excess Revenue Over Expenses | \$ | 142.3 | \$ | 126.2 | 12.8% |



Performance Scorecards









OSU WEXNER MEDICAL CENTER - ENTERPRISE PERFORMANCE SCORECARD FY2019 July Year-To-Date Results



| Strategic Priorities | Champion | Metricipi) | FY18 Actual | FY15 YTD - July Actual | States | FY10 Target | FY24 – 7 Year Aspirational Target |
|----------------------|--------------------------|---|-----------------------------|---------------------------------|--------|---|--------------------------------------|
| | Mincey/ McQuaid/ Kent | Percentage of Tier 3 work areas – staff | 33% total units (175) | Data Available February 2019 | | Reduction of Tier 3 units to 26% (136) | Top Quartile |
| | Mincey/ McQuaid/ Kent | Faculty engagement score | 3.84 | Data Available March 2019 | | 3.93 | Top Quartile |
| FALENT & CULTURE | Mincey/ McQuald/ Kent | Staff hire turnover in first year | 22.0% | 2.3% | ٠ | 19.7% (10% reduction in first year exits from FY18) | 10th Percentile of Benchmark |
| | Mincey/ McQuaid/ Kent | Percentage of URM/Women in leadership positions | 11% (URM) 46.1% (Women) | 11.1% (URM) 46.9% (Women) | | 12% (URM) 48.5% (Women) | 18% (URM) 53% (Women) |
| 100 | | | | 77 | | | |
| | Mohler/ Kent | Total Awards | \$209.2M | \$14.6M | | \$217.6M | \$374.9M |
| RESEARCH | Mohler/ Kent | NIH Awards | \$118.2M | \$9.7M | | \$122.9M | \$178.2M |
| | Mohler/ Kent | New Federally Funded Faculty | 25 | 10 | i. | 22 | 20 in FY24 Cumulative 140 |
| - 4 | | | | | | | |
| | Clinchot/ Kent | US News and World Report (Peer Assessment Score and Residency Director Score) | Peer: 3.5 Residency: 3.4 | Data Available March 2019 | | Peer: 3.5 Residency: 3.5 | Peer: 3.9 Residency: 4.0 |
| EDUCATION | Clinchot/ Kent/ Holliday | % of top students matched as residents | 29.3% | Data Available March 2019 | | 29.3% | 30.0% |
| | Clinchol/ Kent | Number of T-32 training grant applications submitted | N/A | Data Available Fall 2018 | | 3 | 10 Total T-32 Training Grants |

| Domain | Metric |
|-----------|---|
| Mortality | Observed/Expected Inpatient Mortality |
| | End of Life Measures |
| Safety | PSIs -PSI-03, PSI-06, PSI-09, PSI-11, PSI 13 |
| | CAUTI, CLABSI, C-Diff, SSI-colon procedures, SSI – abdominal hysterectomies, MRSA |
| | Khorana Risk Score Stratified VTE Rate |
| | Percentage of cases with all recorded hemoglobin (Hgb) ≥ 10 to ESA use (erythropoietin/darbepoetin) |
| | GCSF (filgrastim) use compared to WBC count, persistently elevated calcium not receiving a bisphosphonate, or severely elevated uric acid not receiving Rasburicase |



| Effectiveness | 30-day Unplanned Readmissions for Cancer Patients |
|-------------------------|---|
| | Excess Days |
| | Revisit/Returns within 7-days of Outpatient Chemotherapy |
| | End of Life Measures |
| Efficiency | LOS & Direct Cost |
| | End of Life Measures |
| Patient Centeredness | 9 composite question groupings |





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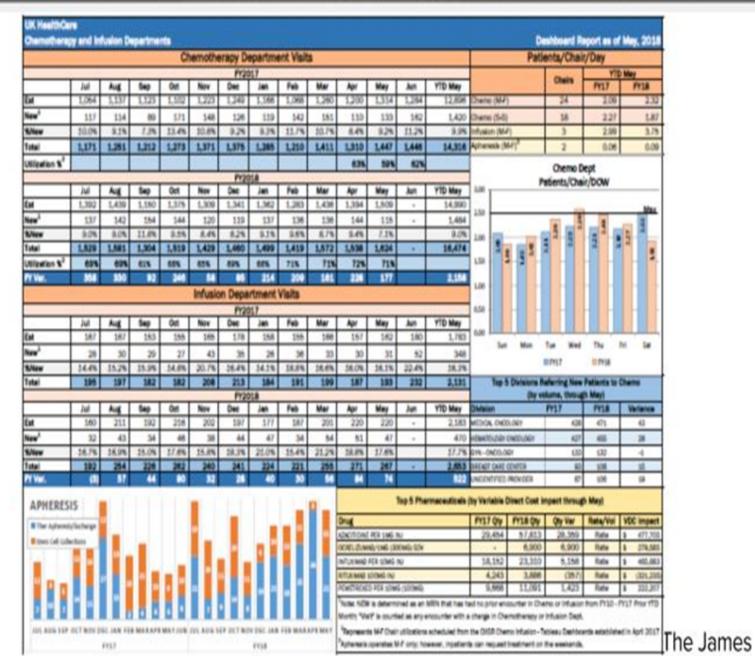
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The James



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Grand Total





Glossary

| ADC | Average Daily Census | In the hospital setting, the total number of patients admitted to the facility by midnight, or sometimes at another time of the day. The average daily census is the average number of patients per day in a hospital over a given period of time; admitted patients and outpatients are counted separately. |
|---------------|---|--|
| Admission | | The act or process of accepting someone into a hospital, clinic, or other treatment facility as an inpatient. |
| ALOS | Average Length of Stay | A mean calculated by dividing the sum of inpatient days by the number of patients admissions with the same diagnosis-related group classification. |
| CAUTI | Catheter-associated urinary tract infection | A catheter-associated urinary tract infection (CAUTI) is one of the most common infections a person can contract in the hospital. Indwelling catheters are the cause of this infection. An indwelling catheter is a tube inserted into your urethra. |
| CLABSI | Central Line-associated Billod Stream Infection | CLABSI is a primary laboratory confirmed bloodstream infection in a patient with a central line at the time of (or within 48-hours prior to) the onset of symptoms and the infection is not related to an infection from another site. |
| СМ | Contribution Margin | Net revenue (all the revenue the hospital receives for providing care to a population of interest) minus (variable direct expenses + fixed direct expenses) for the population of interest. |
| CMI | Case Mix Index | CMI is a relative value assigned to a diagnosis-related group of patients in a medical care environment. The CMI value is used in determining the allocation of resources to care for and/or treat the patients in the group. |
| CMI Adj. ALOS | Case Mix Index Adjusted Average Length of Stay | The ratio of the number of days of hospital care that were utilized to care for patients adjusted for the documented severity of the illnesses. |
| E&M Visit | Evaluation and Management Visit | This is essentially referring to a doctor's visit, or a consultation (a visit requested by another physician or healthcare entity). |



Glossary

| End of Life Measures | | In February 2012, NQF endorsed 14 measures on palliative care and end-of-lifecare. The measures address a wide range of care concerns, including pain management, psychosocial needs, care transitions, and experiences of care. |
|--|---|--|
| Gain from Operations | | The result of subtracting operating expenses from gross profit. Income from operations is the amount before non-operating items (such as gains and losses on the sale of assets, interest revenue, and interest expense). |
| Khorana Risk Score Stratified VTE Rate | Khorana Risk Score for Venous Thromboembolism in Cancer Patients | Cancer-associated venous thromboembolism (VTE) is one of the leading causes of mortality and morbidity among patients with mailgnancy. The Khorana risk score (KRS) is currently the best validated risk assessment model to stratify risks of VTE development in ambulatory patients with cancer. |
| LOS Index | Length of Stay Index | Ratio of observed length of stay to expected (the average LOS based on diagnosis). |
| Mortality Index | | Observed mortality is the actual number of inpatient deaths that occur in the hospital during a specific period. Patients who are very sick (higher severity of illness) have a higher expected mortality rate. A mortality ratio of 1.0 means the observed mortalityequals the expected mortality for this patient population. |
| MRSA | Methicillin-resistant Staphylococcus aureus | Methicillin-resistant Staphylococcus aureus (MRSA) is a bacterium that causes infections in different parts of the body. It's tougher to treat than most strains of staphylococcus aureus — or staph — because it's resistant to some commonly used antibiotics. |
| NR | Net Revenue | Sum of net patient service revenue, other operating revenue, non-operating revenue, revenue from insurance activities and revenue from non-patient services. This is the total amount of money received by the system or corporate entity. |
| O/E Mortality | Observed vs Expected Mortality Rate | Observed mortality is divided by the expected mortality to create the O/E ratio. |
| Occupancy | | Occupancy is calculated by dividing the number of rooms sold by rooms available. |





Glossary

| Operating Revenue | | Operating revenue is revenue generated from a company's primary business activities. For example, a retailer produces revenue through merchandise sales, and a physician derives revenue from the medical services he/she provides. |
|------------------------|---|--|
| Patient Days | | The total number of days for all patients who were admitted for an episode of care and who separated during a specified reference period. |
| PSI | Patient Safety Indicators | The Patient Safety Indicators (PSIs) are a set of indicators providing information on potential in hospital complications and adverse events following surgeries, procedures, and childbirth. |
| SSI-proededures | Surgical Site Infections for operative procedures | This dataset shows the surgical site infections (SSIs) reported by a hospital to the Center for Disease Control and Prevention National Healthcare Safety Network (NHSN). The data is provided in two tables 1) SSIs for the 5 Operative procedures and 2) SSIs for 24 Operative procedures. |
| Unplanned Readmissions | | The hospital return days measures add up the number of days patients spent back in the hospital (in the emergency department, under observation, or in an inpatient unit) within 30 days after they were first treated and released. The measures compare each hospital's return days to results from an average hospital with similar patients to determine if this hospital has more, similar, or fewer days than average. |
| Utilization | | The quantification or description of the use of services by persons for the purpose of preventing and curing health problems, promoting maintenance of health and well-being, or obtaining information about one's health status and prognosis. |



Fake News





Discussion and Questions

???



THANK YOU

for all you do to help create a cancer-free world!

















