



BON SECOURS-HOLY FAMILY HOSPITAL
Bon Secours-Holy Family Regional Health System

Bon Secours Holy Family Hospital

**Pennsylvania Health Care Cost Containment Council
Calendar Year 2001 Data
Length of Stay Outlier Analysis**

Condition: Stroke-Non-Hemorrhagic

A shorter length of stay for 11.9% (7) of the patients was due to an improvement in the management and the transition of these patients to an Acute Rehabilitation Unit as soon as they were medically stable.

Condition: Pneumonia

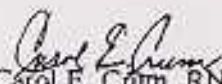
A longer length of stay for 8.9% (15) of the patients was due to the impact of the multiple disease processes present in these patients, due to waiting for available beds in long term care facilities and due to Hospice Palliative Care.

DRG #320: Kidney and Urinary Tract Infections, Complicated

A longer length of stay for 13.2% (5) was due to the impact of the multiple disease processes present in these patients, due to waiting for available beds in long term care facilities and due to Cancer Palliative Care.

DRG #143: Chest Pain

A longer length of stay for 10% (14) of these patients was due mostly to waiting for available beds in long term care facilities and the multiple disease processes present in these patients.


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 Mortality Analysis

There were 4 (four) conditions listed in the Hospital Performance Report as having a higher than expected mortality rate. Overall forty-nine (49) out of fifty-eight (58) or 84% of the patients in the four (4) conditions had an Advanced Directive of "Do Not Resuscitate." There were multiple co-morbidities (other disease processes affecting major body functions) present in all fifty-eight patients, such as, Lung Disease, Diabetes, Cancer, Liver Disease, Previous Strokes and Heart Attacks, and Renal Failure. The average age of patients with the conditions of Congestive Heart Failure, Pneumonia, and Stroke-Non-Hemorrhagic was 82.1 years. These conditions represent 93.2% of the patient deaths reported for the four (4) conditions listed here. By age alone these patients were at high risk for mortality. The four (4) patients with the condition Heart Attack-Angioplasty Stent were known to be at a higher risk due to the severity of the heart disease and their other disease processes. The patients chose to undergo the Angioplasty/Stent procedure in an intensive effort to preserve their life.

- Condition: Congestive Heart Failure Number of Deaths, 21
- * The average age of these patients in was 82.8 years of age
 - * Fifteen (15) of the twenty-one (21) patients had an Advanced Directive of "Do Not Resuscitate".
 - * Four (4) patients had previous Heart Attacks and also Open Heart Surgery. Eight (8) patients had previous debilitating Strokes. Nine (9) patients had Acute and/or Chronic Renal Failure.
- Condition: Pneumonia Number of Deaths, 27
- * The average age of these patients was 82.2 years of age.
 - * Twenty-six (26) of the twenty-seven (27) patients had an Advanced Directive of "Do Not Resuscitate".
 - * Thirteen (13) patients had Chronic Lung Disease, Five (5) patients had Cancer, Four (4) patients had Chronic Renal Failure, Two (2) patients had previous debilitating Strokes, Two (2) patients had Chronic Liver Disease. One (1) patient had Systemic Lupus.
- Condition: Heart Attack - Angioplasty/Stent Number of Deaths, 4
- * The average age of these patients was 67 years of age.
 - * Three (3) of the four (4) patients did an Advanced Directive of "Do Not Resuscitate".
 - * Two of the four (4) patients had a second heart attack despite receiving antithrombotic therapy and had emergency angioplasty stent procedures. All four (4) patients had the angioplasty/stent procedure in an intensive effort to preserve life.
- DRG #174: Stomach and Intestinal Bleeding, Complicated Number of Deaths, 6
- * The average age of these patients in DRG #174 was 81 years of age.
 - * Five (5) of the six (6) patients had an Advanced Directive of "Do Not Resuscitate".
 - * Two (2) patients had terminal Cancer, Four (4) patients had Chronic Heart and/or Chronic Lung Disease.

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