

Reid Hospital & Health Care Services
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Colon Cancer Review
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The purpose of this review is to examine colon cancer survival in patients treated at Reid Hospital and Health Care Services between 1994 and 1998. In 1998 in the United States there were 131,600 new cases of colorectal cancer and 56,500 deaths from the disease, accounting for 11% of the cancer deaths that year. Americans have an approximately 6% chance of being diagnosed with colorectal cancer during their lifetime. Over the last 15 years, both the incidence and mortality from colorectal cancer has decreased. Because the treatment and response differs between colon and rectal cancer, this review is limited to patients with colon cancer.

Colon cancer treatment is individualized and includes surgery, chemotherapy and radiation. Survival relates closely to the stage of the disease which, for colon cancer, is based upon the depth of penetration of the cancer, involvement of regional lymph nodes and the presence of distant metastases. In short, staging for colon cancer is as follows:

- Stage I: invasion limited to the wall of the colon with no lymph node involvement and no distant metastases
- Stage II: invasion through the wall of the colon with or without extension into adjacent organs with no lymph node involvement and no distant metastases
- Stage III: any depth of invasion of the wall of the colon with lymph node metastases but no distant metastases
- Stage IV: distant metastases regardless of the depth of invasion of the wall of the colon or lymph node involvement

The data from 1994 through 1998 at Reid Hospital & Health Care Services for patients diagnosed with colon cancer are as follows:

- 204 patients treated for colon cancer
- 42 (21%) Stage I
- 64 (31%) Stage II
- 51 (25%) Stage III
- 47 (23%) Stage IV.
- 196 (96%) 5 year follow-up and survival data
- 6 stage II and 2 stage III patients were lost to follow-up

Upon review of the data for the state of Indiana regarding the stage of colon cancer diagnosed in 1997 reveals the below information:

Stage	Community Cancer Centers (16)	ACS Great Lakes (77)	All IN Hospitals (39)
I	16.93 %	18.96 %	18.38 %
II	30.16 %	29.15 %	29.86 %
III	23.99 %	21.21 %	21.34 %
IV	16.05 %	18.99 %	17.32 %

(Source: NCDB, CoC, ACoS)

This data is in line with the statistical data revealed for Reid Hospital.

When reviewing the five year cancer survival rate by stage for Reid Hospital it demonstrated the following:

1994 -1998 = 204 patients treated for Colon CA at Reid Hospital

<u>Stage</u>	<u>No of pts</u>	<u>5 yr survival</u>
I	39 of 42	93 %
II	51 of 58	88 %
III	28 of 49	57 %
IV	2 of 47	4 %

One can compare the literature the data which reveals that the five year relative survival rates by AJCC stage for patients who are alive five years or more after the diagnosis of colon cancer are directly in line with the data review for Reid Hospital & Health Care Services. (ACS, www.cancer.org).

Stage I	93%
Stage IIA	85%
Stage IIB	72%
Stage IIIA	83%
Stage IIIB	64%
Stage IIIC	44%
Stage IV	8%

**NCDB Commission on Cancer

This survival data shows that patients with colon cancer treated at Reid Hospital have similar survival rates to those predicted by the national colon cancer survival statistics. As colon cancer screening and treatment continues to improve, hopefully survival statistics will also continue to improve.