

# Improved survival shown in early-stage Hodgkin's Disease patients who receive radiation therapy

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Patients with stage I and II Hodgkin's Disease who receive consolidated radiation therapy (RT) have a higher 10-year survival rate of 84 percent, compared to 76 percent for patients who did not receive RT; and, the data also shows a decrease in utilization of RT, according to research presented today at the American Society for Radiation Oncology's (ASTRO's) 56th Annual Meeting.

Researchers evaluated clinical features and [survival outcomes](#) among 41,502 patients diagnosed with stage I and II Hodgkin's Disease from 1998 to 2011 from a prospectively collected database—the National Cancer Data Base (NCDB), which is comprised of cases from 1,500 sites and represents >75 percent of all cancers diagnosed in the U.S. The average patient age was 37 (range: 18 – 90), with a median follow-up of 7.5 years. The association between RT use, co-variables and outcome were assessed in a multivariate Cox proportional hazards model. Survival was estimated using the Kaplan-Meier method.

Multi-agent chemotherapy was administered to 96 percent (39,842) of the patients, and 49 percent (20,441) of patients received a median RT dose of 30.6 Gy. The 10-year overall survival of the entire group was 80.8 percent, with patients receiving RT having a statistically significant improved overall survival rate at 10 years, when compared to those not receiving RT (84.4 percent vs. 76.4 percent; p

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