The present study aimed at Assessing of hope in patients with cancer. The study sample was 400 in patients with cancer at Al-Mosul Nuclear Hospital. The hearth hope scale and hearth hope index were used in the present study. A pilot study was conducted to determine the reliability of the study instruments. Reliability of the scales was determined through the use of internal consistency and calculation Person correlation coefficient when data were gathered from (50) patients. Validity of the scales has been determined through a panel of (6) experts. Results of the present study indicate that the level of hope is high among cancer patients. Depending on the findings and conclusions of the study, the researcher recommended that patients with cancer should be educated regarding cancer to provide them with information to enhance or maintain their needs and plan of care must be designed to provide information that help them to have a hope in life.