Pseudocode:

// Prompt user for the first year

Print "Enter the first year:"

Input year1

// Prompt user for the number of patients in the first year

Print "Enter the number of patients we saw that year:"

Input patients1

// Prompt user for the second year

Print "Enter the second year:"

Input year2

// Prompt user for the number of patients in the second year

Print "Enter the number of patients we saw that year:"

Input patients2

// Calculate the percent increase/decrease in patients seen

difference = patients2 - patients1

percent_increase = (difference / patients1) * 100

// Calculate total charity charges for each year

charity_charges1 = patients1 * 1008.97

charity_charges2 = patients2 * 1008.97

// Output the results

Print "In year", year1, ", our hospital issued", charity_charges1, "dollars of charity charges."

Print "In year", year2, ", our hospital issued", charity_charges2, "dollars of charity charges."

Print "Between", year1, "and" year2, ", there was a", percent_increase, "% increase in patients seen at our hospital."