.2	It is known that under the standard treatment for a certain disease, 9.7% of patients with the disease experience side effects within one year. In a trial of a new treatment, 450 patients with this disease were selected and the number, <i>X</i> , that experienced side effects within one year was noted.				
				It was found that 51 of the 450 patients experienced side effects within one year.	
				(a)	Test, at the 10% significance level, whether the proportion of patients experiencing side
		effects within one year is greater under the new treatment than under the standard treatment.			
		[7]			

**(b)** It was later discovered that all 450 patients selected for the trial were treated in the same hospital.

Comment on the validity of the model used in part (a).