INTRODUCTION

• Health literacy is described as the currency for improving the quality of health and health care in America
• Low health literacy can make it difficult for patients to function effectively in the health care system and make the communication between doctors and patients become more challenging.
• The National Adult Literacy Survey (NALS) conducted in 1992 in 26,000 American adults and found half of U.S. adults have limited or low literacy skills
• Limited health literacy costs more than eight billion dollars in the US, an estimated 3.5% of the total health care budget in Canada in 2009
• Low health literacy is usually associated with patients who have limited education, lower income, chronic conditions, and those who are non-native English speakers.

PURPOSE

To determine whether the health literacy level will strongly be associated with infectious disease for patients with chronic conditions. If the results show low health literacy levels in most infectious patients, then will come up with a solution to help patients prevent getting an infection in the future. By improving the health literacy level, we can improve patient safety and reliability of care.

METHODS

• Cross-sectional observational survey method
• Christian Hospital, St. Louis, Missouri
• IRB approval from SIUE – protocol number #1288
• Using SAHL health literacy assessment tools in a survey form to access patients’ health literacy
• SAHL health literacy assessment included 18 questions related to demographic or background data
• Due to Covid restrictions, the SAHL health literacy assessment was converted to a paper survey assessment instead of face-to-face interviews.
• The survey was administered outpatient on November 27th, 2021
• Any incomplete surveys were excluded from the analysis
• No patient identifiers were collected from the survey
• Inclusion criteria:
  - Age between 18 and 89 years old
  - Chronic conditions
  - Currently positive with infectious disease

RESULTS

• The results were calculated by the researcher and patients’ health literacy will be determined based on their scores
• A score of 14 or less out of 18 points will consider low health literacy
• Data analysis will be conducted based on the sum of the percentage of patients who have low health literacy levels versus the total number of responses

• 16 patients who completed the SAHL-Health Literacy level assessment.
• 50% of patients had a total score between 0-14
• 8 out of 16 infectious patients with chronic conditions had low health literacy level

Figure 1: Results from SAHL-Health Literacy levels assessment in 16 patients in chronic

Figure 2: The correct responses Percentage in 18 questions from the SAHL health literacy assessment

Patients’ SAHL Assessment results

Correct Responses Percentage (18 questions from Table 2)

REFERENCES