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From Crisis to Care: Dramatically Reducing UTI Incidence in Incontinent Skilled Nursing Home Residents using BioLink Systems Brief Technology

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Abstract

Background: Skilled Nursing Home residents who are incontinent and wear adult briefs are at high risk for urinary tract infections (UTIs), primarily due to prolonged exposure to urine and feces.

Objective: This study aims to evaluate the effectiveness of BioLink incontinence technology in reducing UTI prevalence among incontinent nursing home residents wearing adult briefs.

Methods: A retrospective analysis was conducted on residents meeting specific criteria within skilled nursing facilities. Medical records and electronic health data were reviewed to determine the UTI incidence over a four-month period.

Results: UTI incidence was 15.75% among residents not using BioLink technology and 0% among residents using BioLink technology.

Conclusion: BioLink technology significantly reduces the prevalence of UTIs in incontinent nursing home residents.

Introduction

Background

Urinary tract infections are among the most common bacterial infections in nursing homes, affecting both the well-being and overall quality of care of elderly residents. ([Nursing Home Abuse](#))

Incontinent residents wearing adult briefs are at a higher risk of developing UTIs, largely due to prolonged exposure to urine and feces, which can lead to bacterial growth and infection.

Purpose of Study

This study seeks to examine the prevalence of UTIs over a four-month period and determine the effectiveness of BioLink incontinence technology in reducing UTI rates among incontinent nursing home residents.

Methods

Study Design

This was a retrospective analysis conducted by reviewing medical records from skilled nursing facilities.

Subjects and Setting