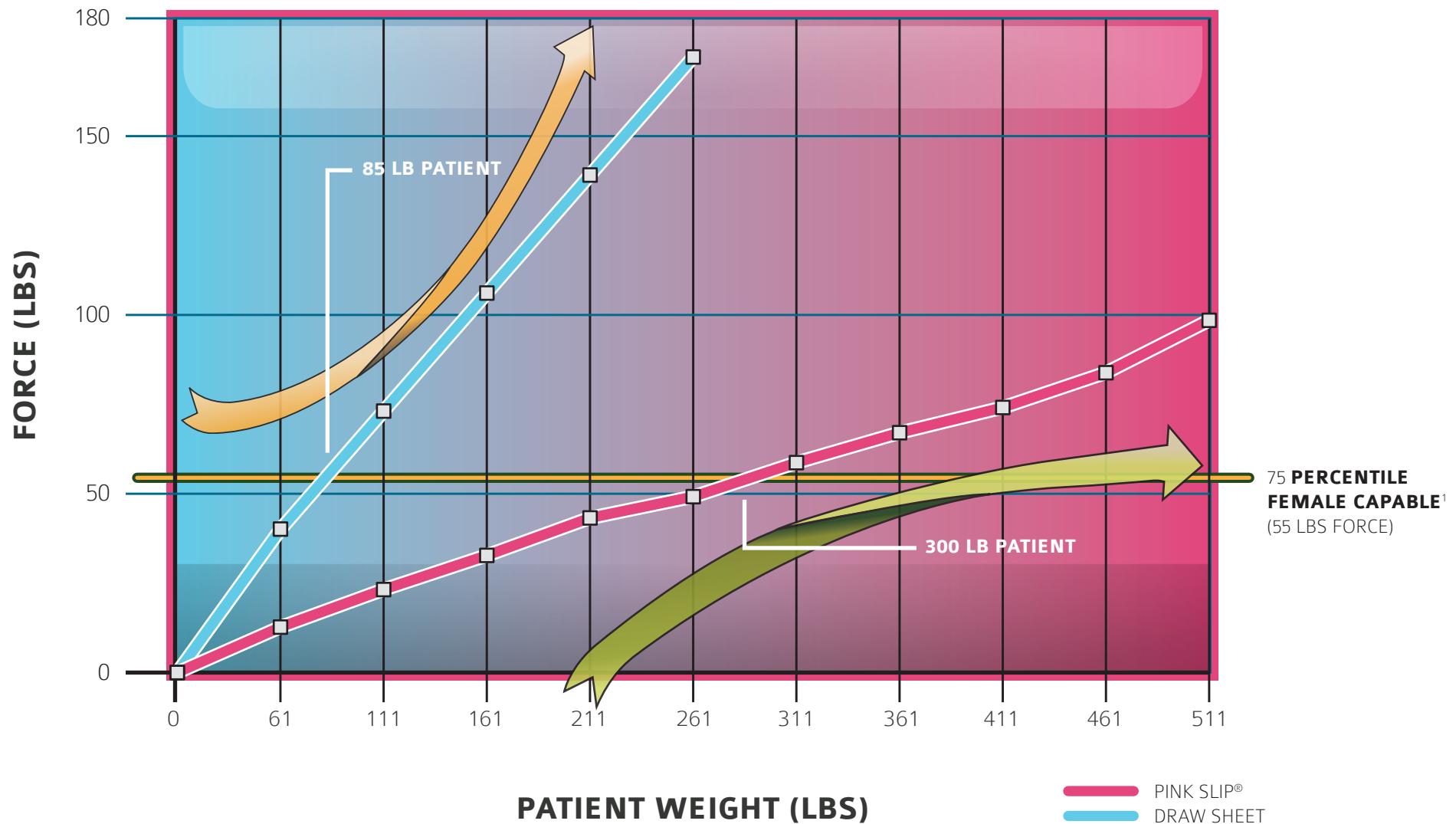


# CAREGIVER FORCE REQUIRED TO INITIATE MOVEMENT

## HIGH DENSITY PINK SLIP® VS. DRAW SHEET



## **BACKGROUND INFORMATION:**

SINCE THE LATE 1970'S LIBERTY MUTUAL GROUP LOSS PREVENTION FIELD ORGANIZATION HAS BEEN ANALYZING AND EVALUATING LIFTING, LOWERING, PUSHING AND CARRYING TASKS. LIBERTY MUTUAL HAS DEVELOPED TABLES FOR EVALUATING THESE TASKS WITH THE GOAL OF CONTROLLING EMPLOYEE DISABILITY COSTS ASSOCIATED WITH MANUAL HANDLING OPERATIONS. AN IMPORTANT CONCLUSION FROM THE PUBLISHED GUIDELINES IS: "AS A GENERAL RULE OF THUMB, DESIGNING MANUAL TASKS FOR GREATER THAN 75% OF THE FEMALE WORK POPULATION WILL OFFER THE BEST PROTECTION FROM MANUAL HANDLING INJURIES".

## **FINDINGS:**

THE PINK SLIP® REQUIRED 139% LESS FORCE TO MOVE A PATIENT WEIGHING 85 LBS. VS THE DRAW SHEET

THE PINK SLIP REQUIRED 245% LESS FORCE TO MOVE A PATIENT WEIGHING 300 LBS. VS THE DRAW SHEET

## **CONCLUSIONS:**

THE PULLING FORCES REQUIRED BY THE CAREGIVER INCREASES PROGRESSIVELY FOR THE DRAW SHEET AS THE PATIENT WEIGHT INCREASES. USING THE PINK SLIP ALLOWS THE CAREGIVER TO SAFELY MOVE 253% MORE WEIGHT AND STILL FALL UNDER THE LIBERTY MUTUAL GROUP GUIDELINE LIMITS FOR MANUAL TASKS WHEN COMPARED TO USING A DRAW SHEET.

<sup>1</sup>Manual Materials Handling Guidelines, 2012, Liberty Mutual Insurance. 55 Lbs initial pulling force once every 30 minutes.