

Introduction

It can often be useful to be able to visualize data in graphic, rather than tabular form.

For example, in the Corrections survey, two somewhat different entities are represented; DOC and the Jails.

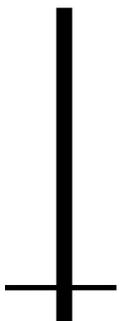
Because of this, it is reasonable to expect that the distribution of responses within a survey such as this, will also be more “diverse.”

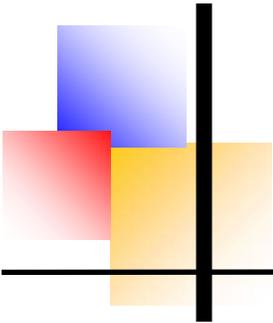
The extent of this “diversity” is a factor in setting cut-off rules for determining what will, and will not be considered critical and essential tasks.

It is interesting to be able to see, at a glance, the range of responses to the survey questions, especially when examining CIP.

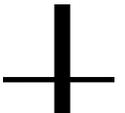
Frequency is represented in bar graphs and CIP in line graphs.

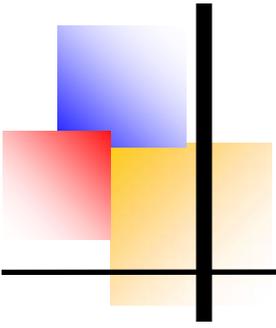
The complete survey list is represented in the following pages for both FREQUENCY distribution and CIP.





FREQUENCY—SITTING STANDING, WALKING RUNNING	4
FREQUENCY—CRAWLING, CLIMBING OVER—UNDER OB- STACLES	7
FREQUENCY—LIFTING, CARRYING, PUSHING	10
FREQUENCY—JUMPING-VAULTING	12
FREQUENCY—STRUGGLE-FIGHT-DEFEND	14
FREQUENCY—COMBINED PHYSICAL ACTIVITIES	21
FREQUENCY—PSYCHOLOGICAL ELEMENTS WITH PHYSI- CAL EFFECTS	26
FREQUENCY—GENERAL PHYSICAL ACTIVITIES	32
FREQUENCY—SENSORY ACUITY	34
CIP—SITTING STANDING, WALKING RUNNING	41
CIP—CRAWLING, CLIMBING OVER—UNDER OBSTACLES	44
CIP—LIFTING, CARRYING, PUSHING	47
CIP—JUMPING-VAULTING	49
CIP—STRUGGLE-FIGHT-DEFEND	51
CIP—COMBINED PHYSICAL ACTIVITIES	58
CIP—PSYCHOLOGICAL ELEMENTS WITH PHYSICAL EFFECTS	64
CIP—GENERAL PHYSICAL ACTIVITIES	69
CIP—SENSORY ACUITY	71





DATA DISPLAY

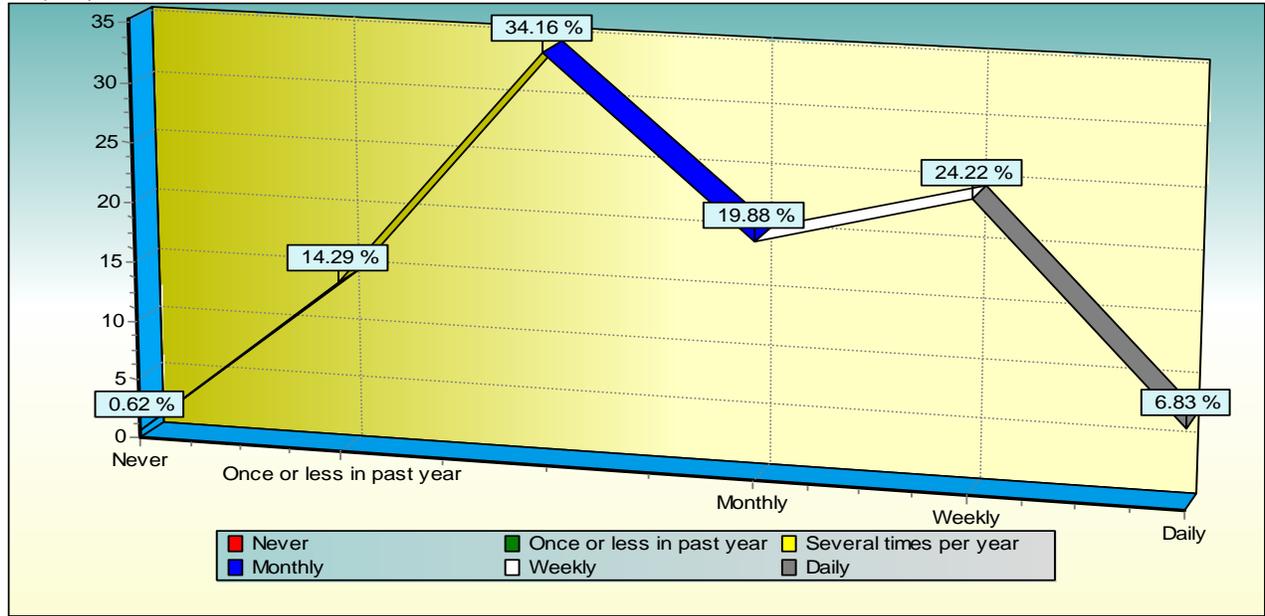
FREQUENCY OF PERFORMANCE



2006 Corrections Physical Task JTA - Frequency of Performance

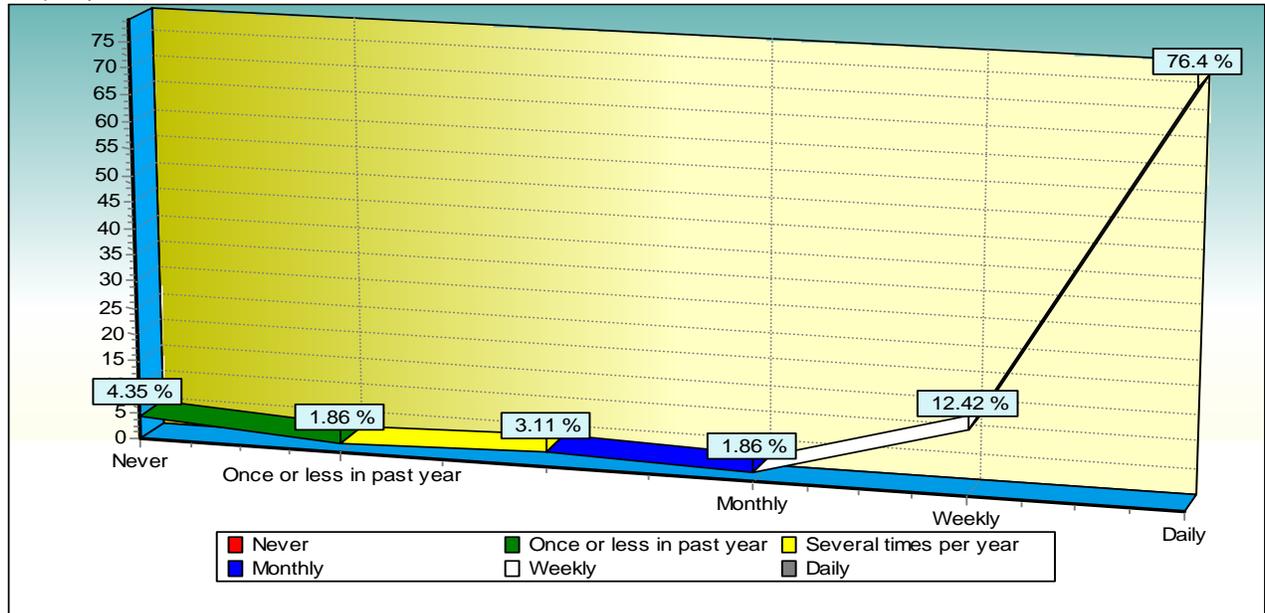
Run on flat surface

Frequency



Walk continuously

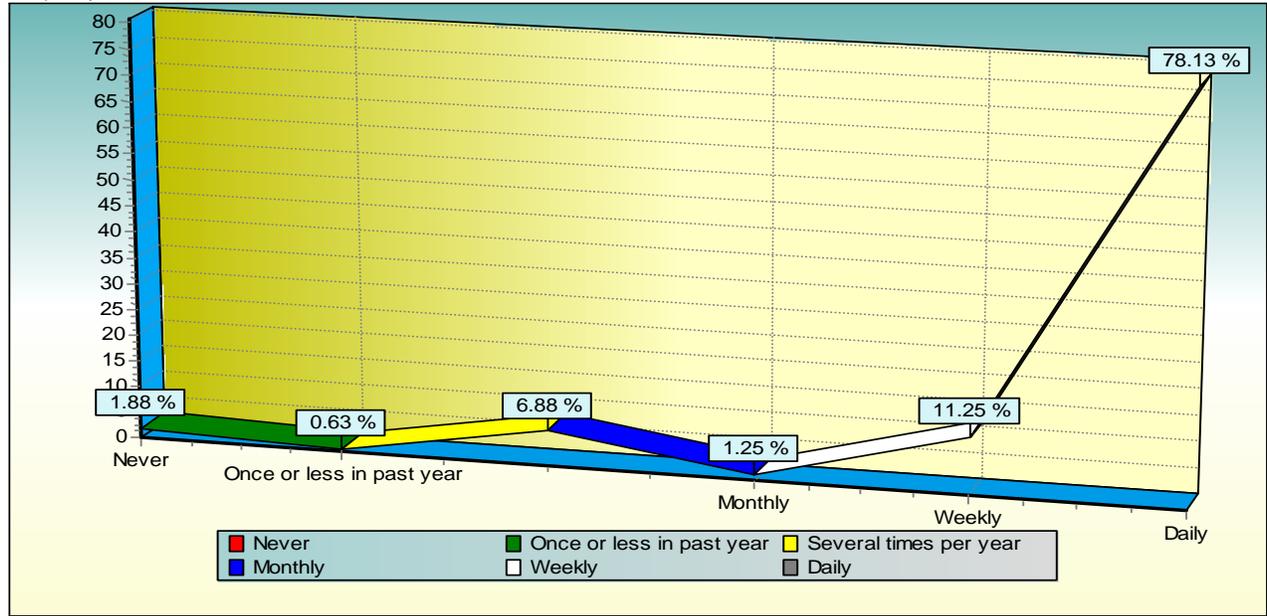
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

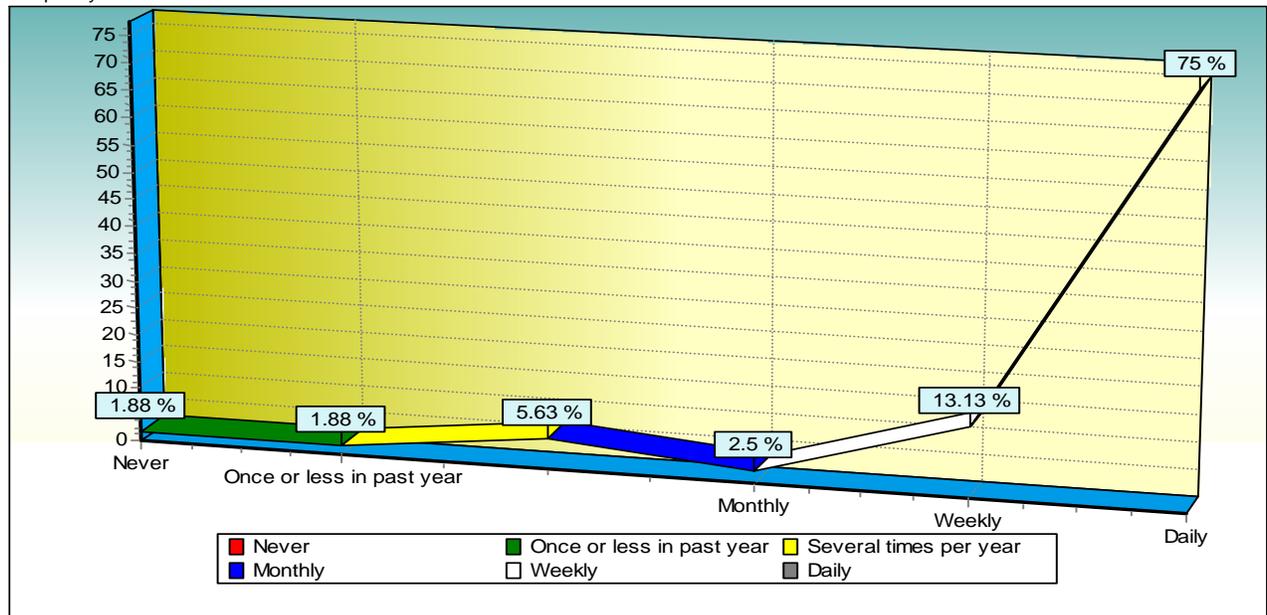
Stand continuously

Frequency



Walk up/down stairs

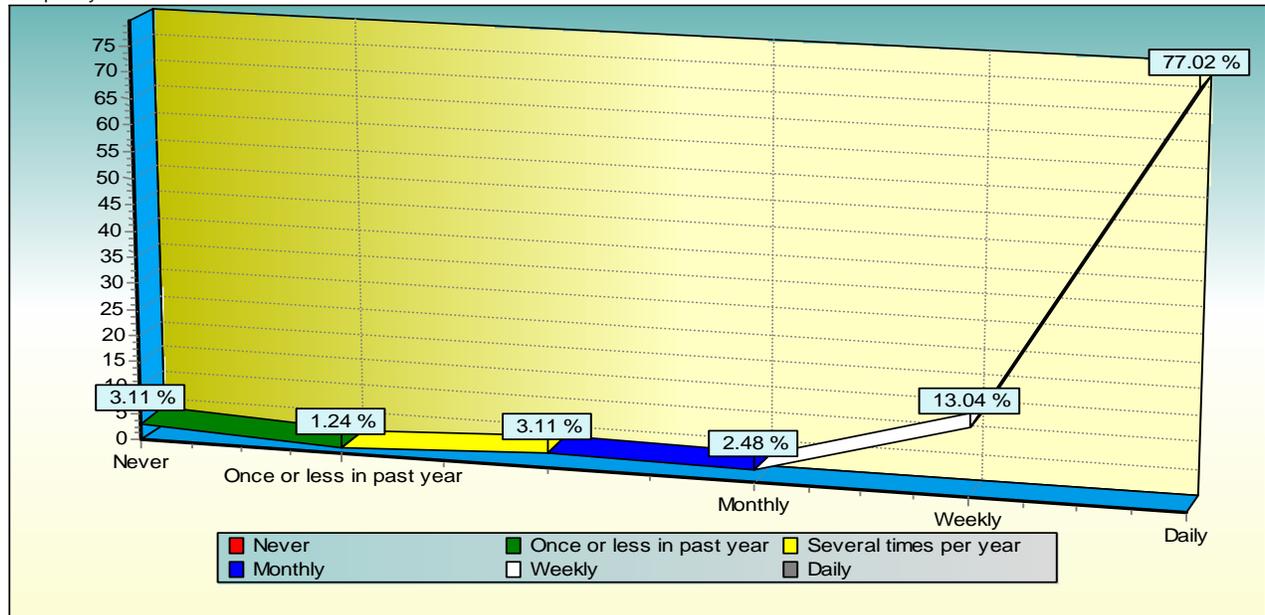
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

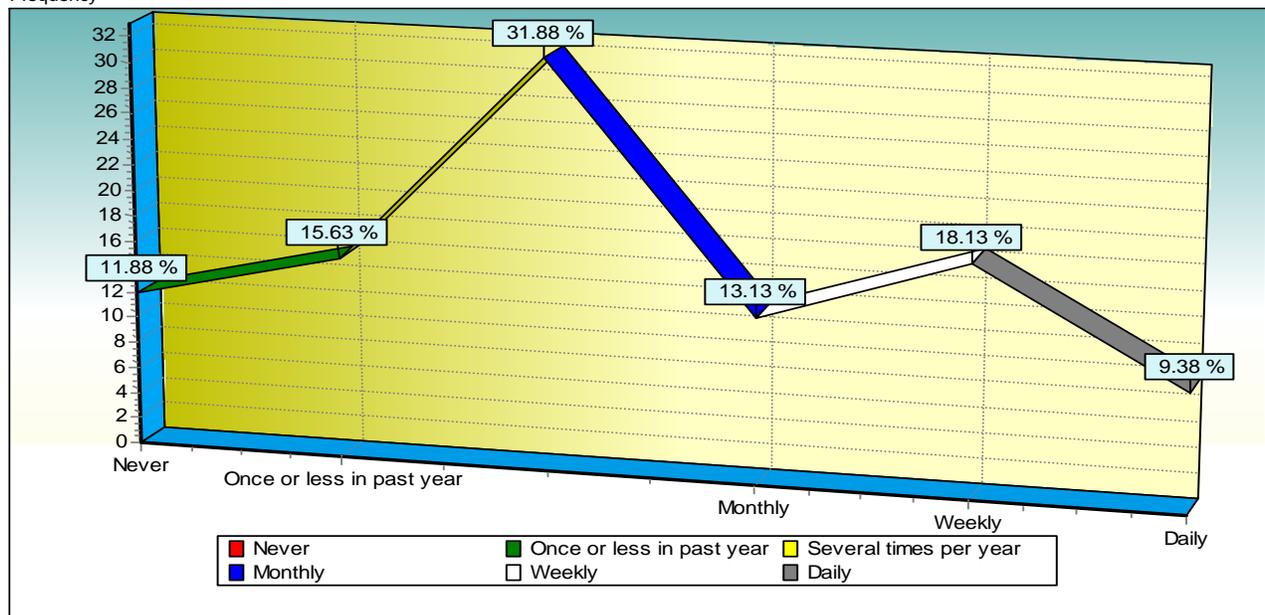
Sit continuously (car, desk, etc.)

Frequency



Run up/down stairs

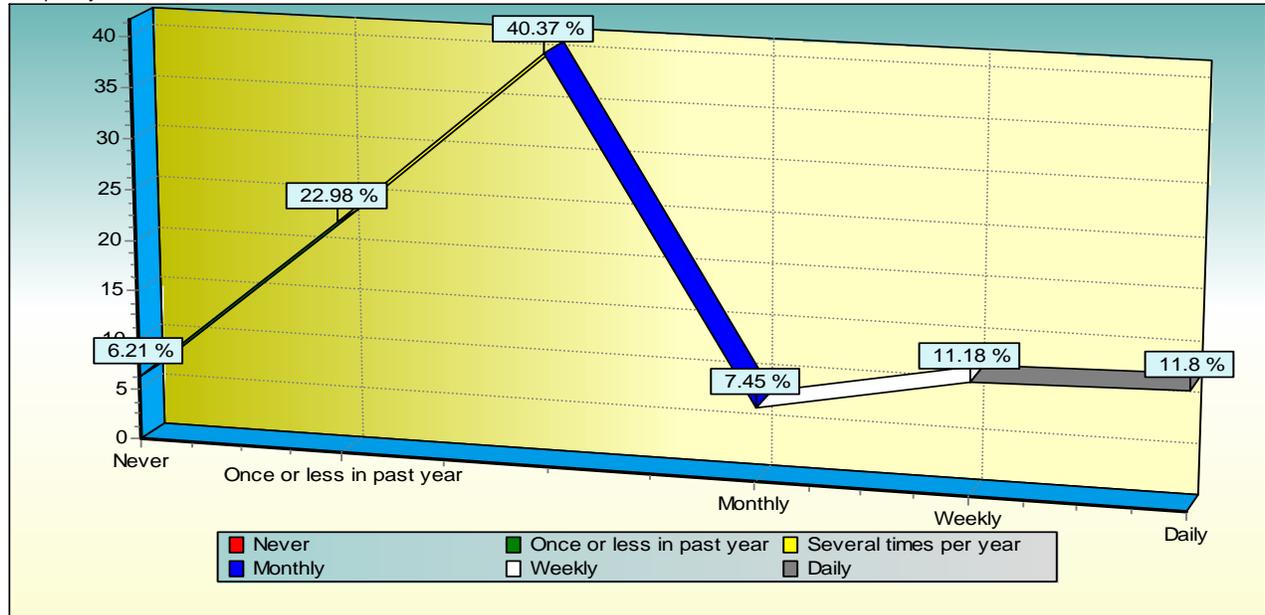
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

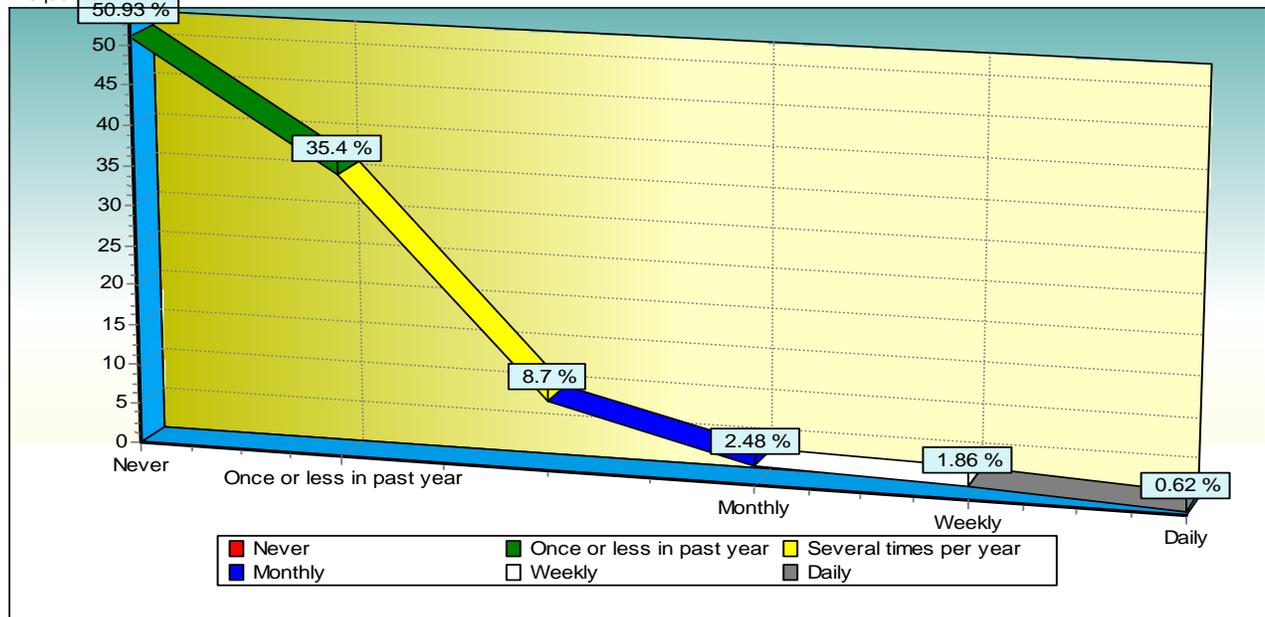
Walk/run on irregular, potentially hazardous surfaces (slick, muddy, rocky, etc.)

Frequency



Climb or pull oneself over a vertical obstacle

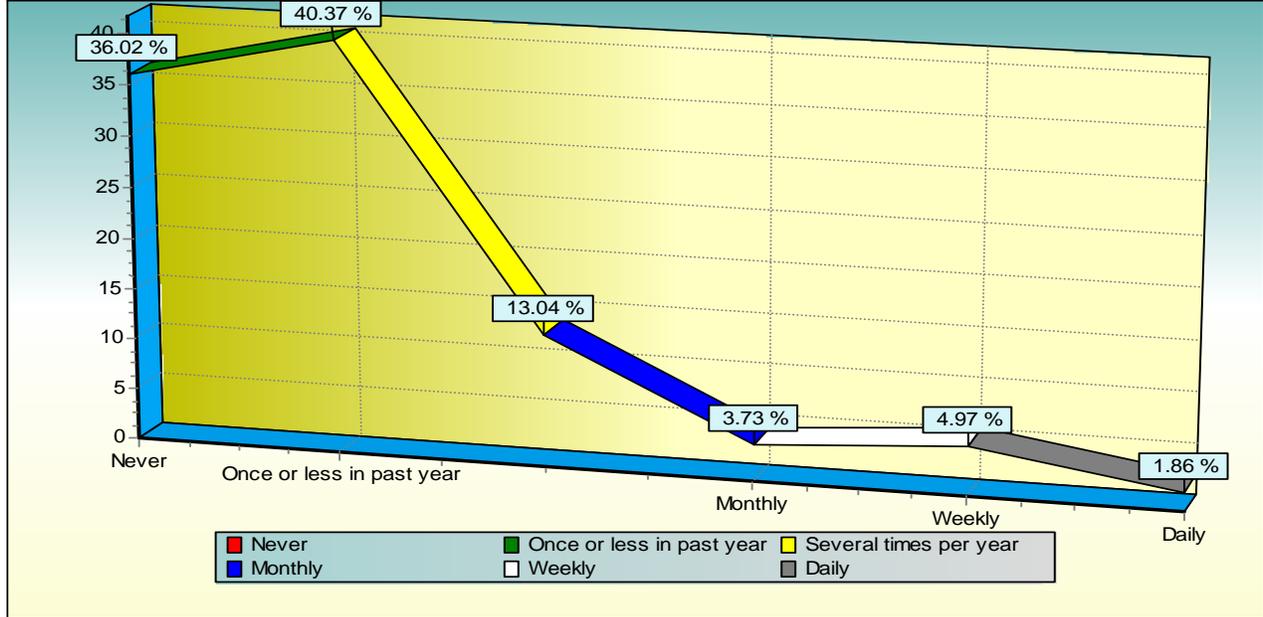
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

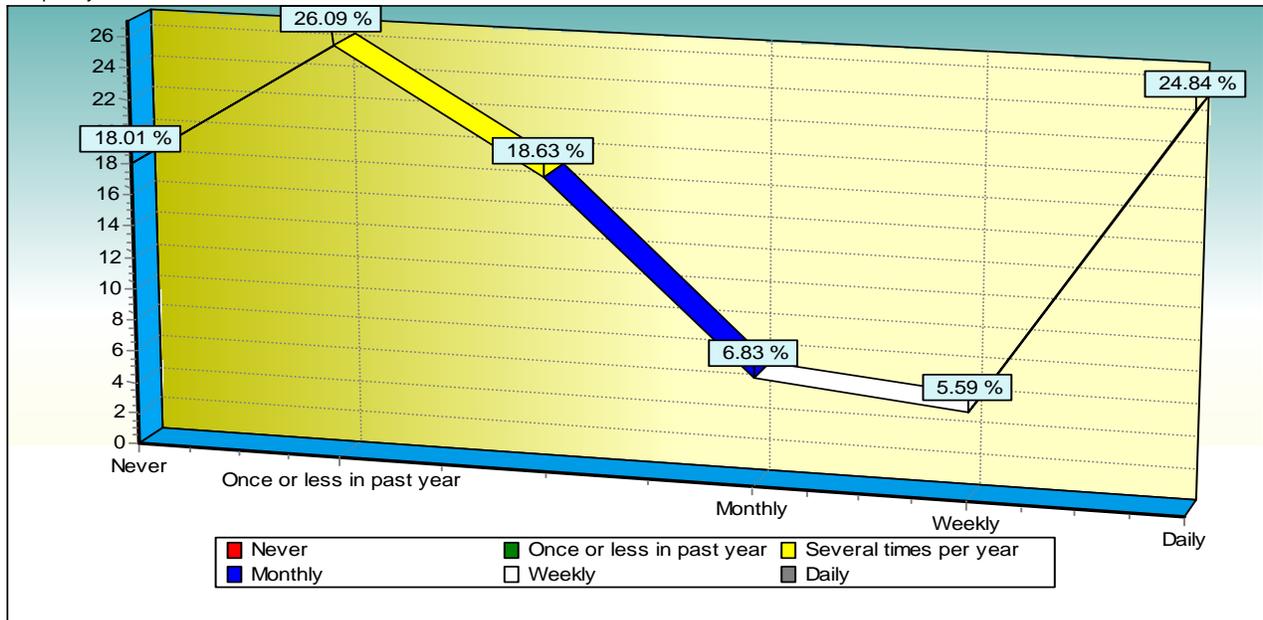
Crawl under an obstacle

Frequency



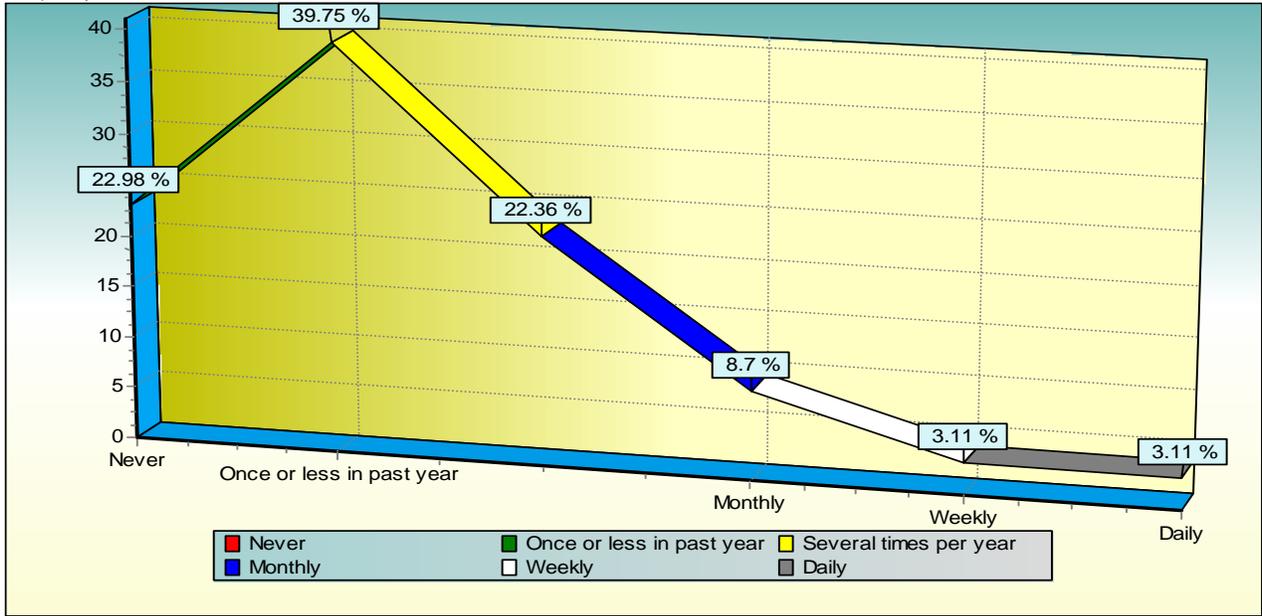
Climb steps, railings, or over other external features/obstacles

Frequency

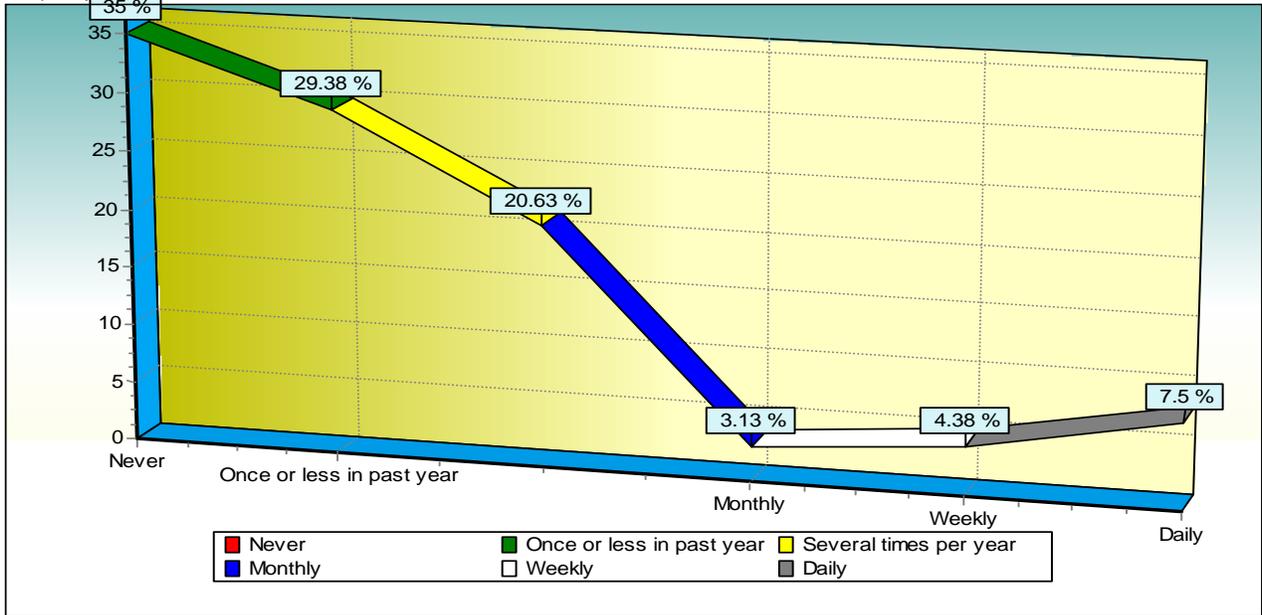


2006 Corrections Physical Task JTA - Frequency of Performance

Climb up/down ladder
Frequency

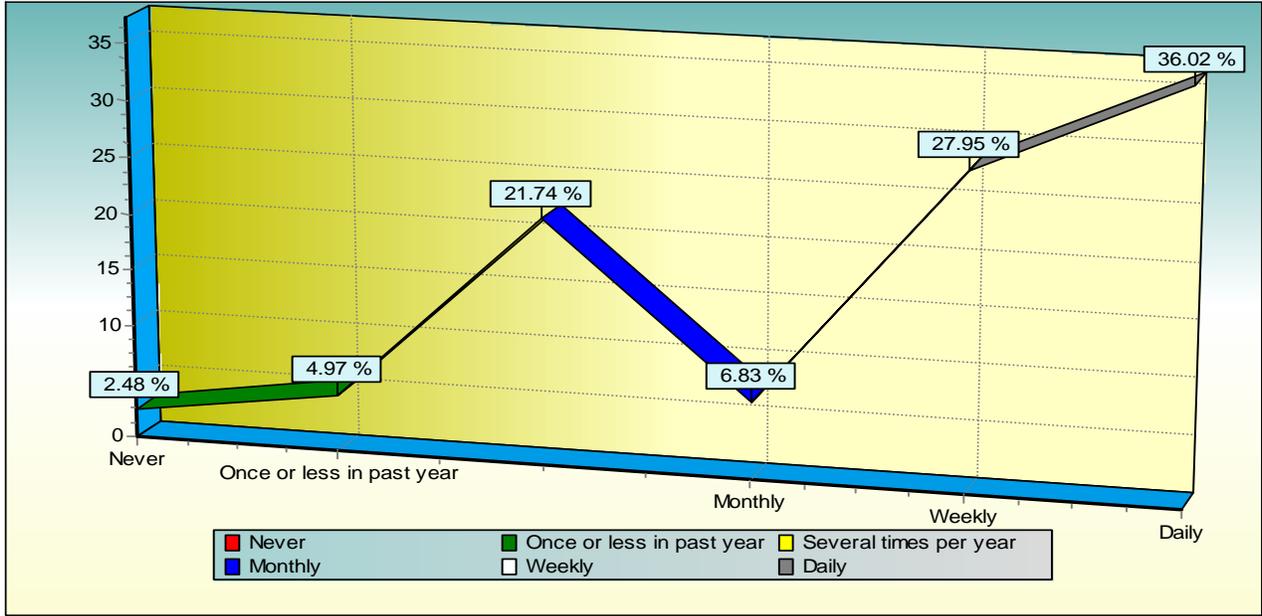


Climb up/down from elevated surface
Frequency

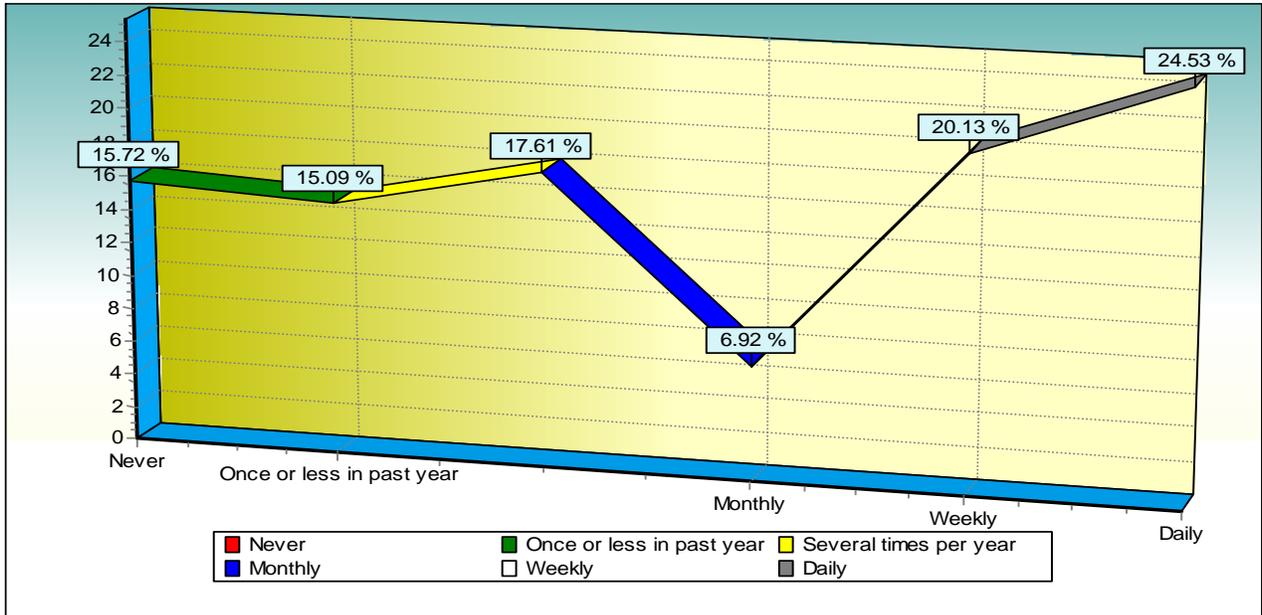


2006 Corrections Physical Task JTA - Frequency of Performance

Lift objects up off the ground
Frequency

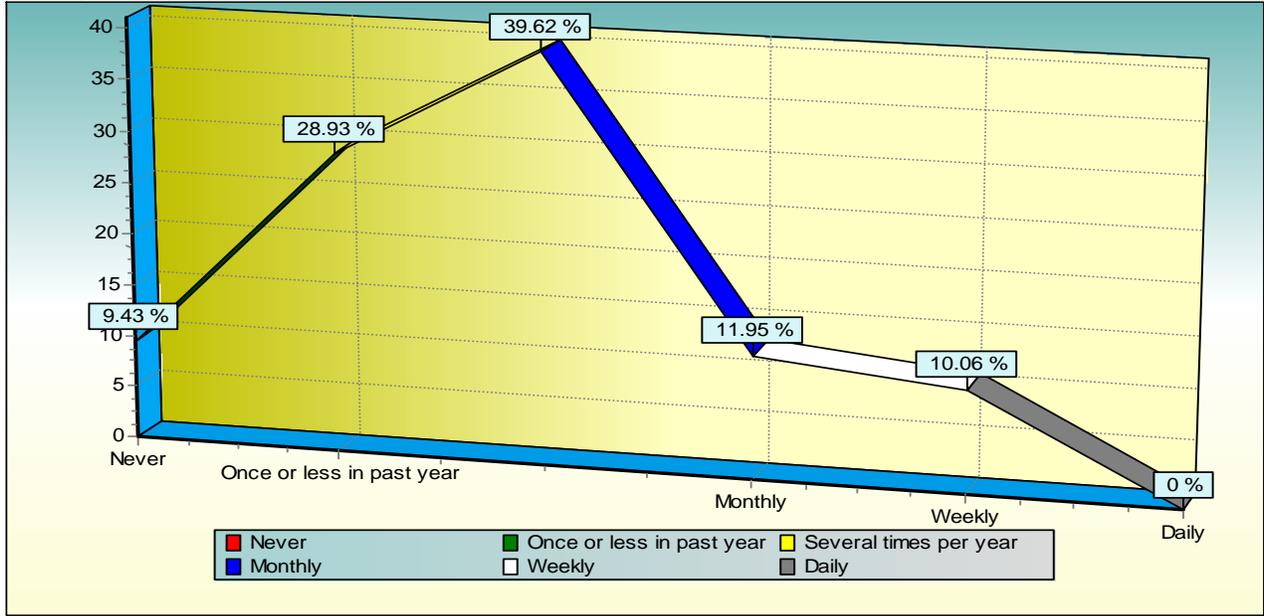


Push/pull objects
Frequency

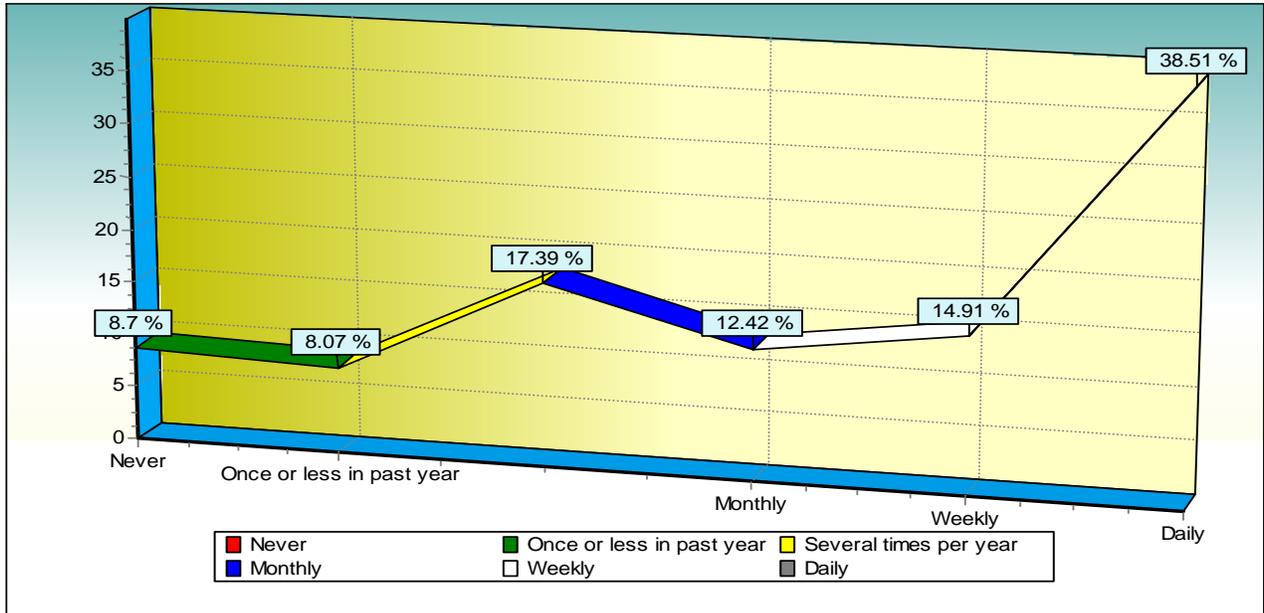


2006 Corrections Physical Task JTA - Frequency of Performance

Assisted carry of an unresisting inmate
Frequency

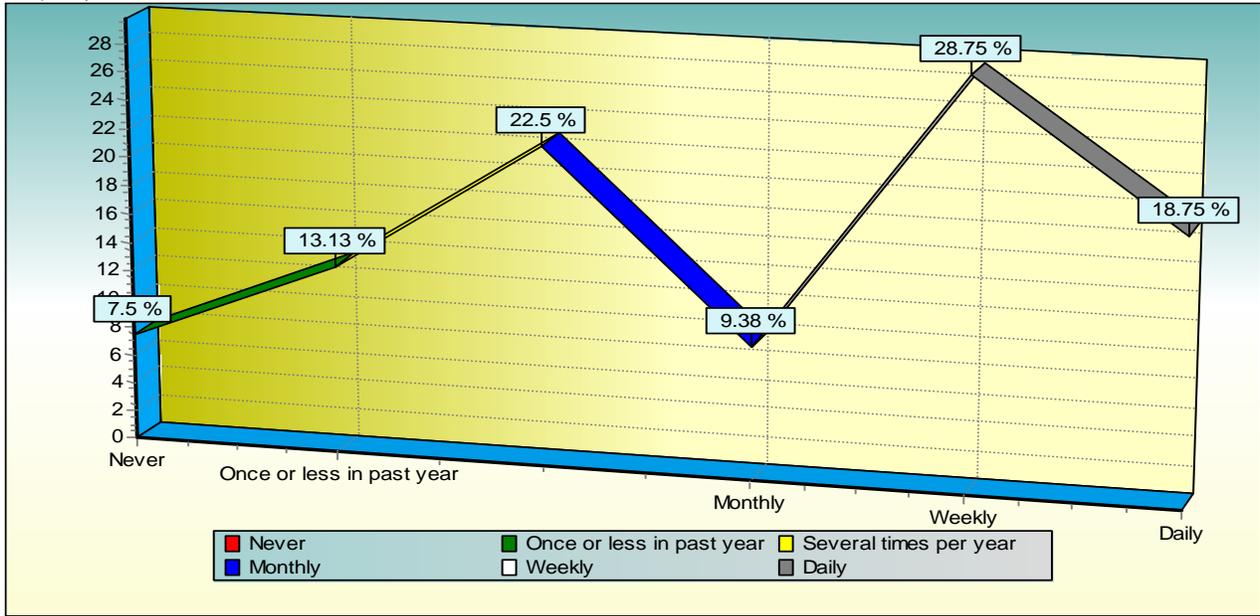


Carry and place objects
Frequency

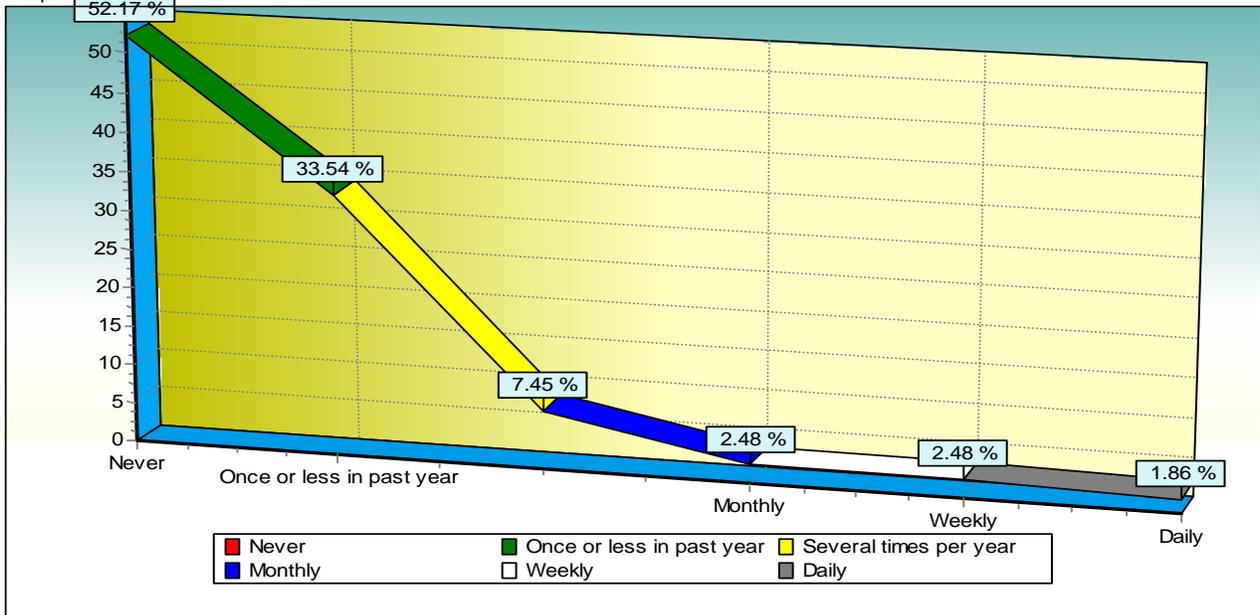


2006 Corrections Physical Task JTA - Frequency of Performance

Lift objects down from elevated surface (waist high or above) and place on ground or floor
Frequency

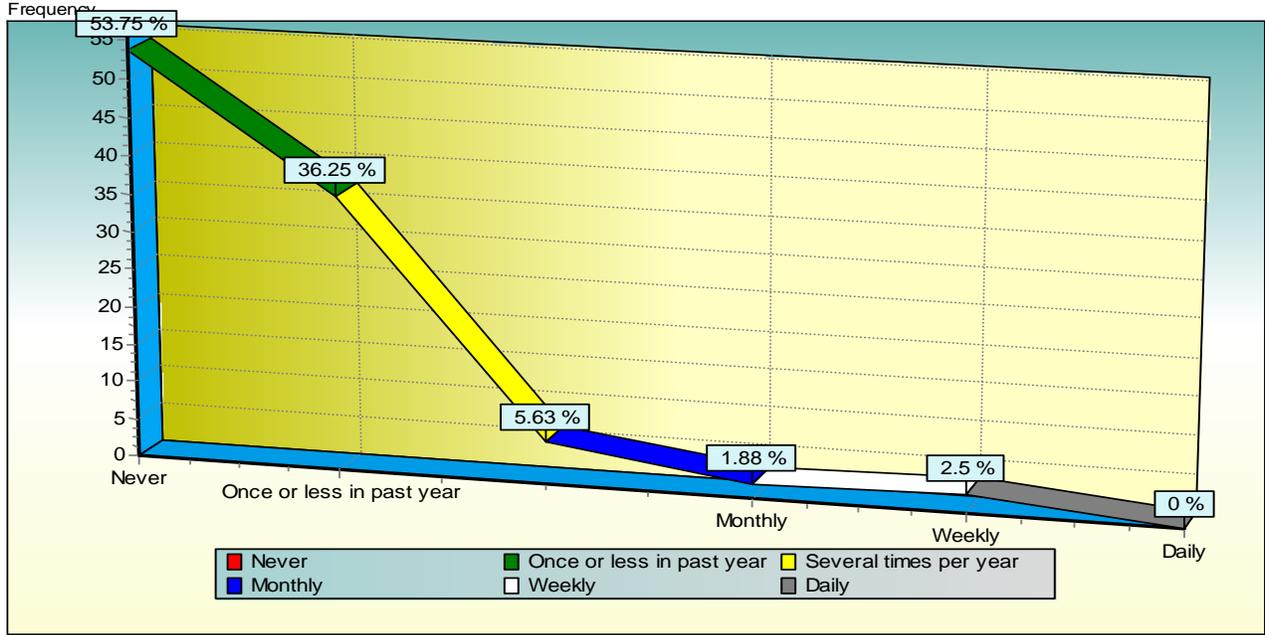


Jump/vault over ditch, hole, or other depression
Frequency

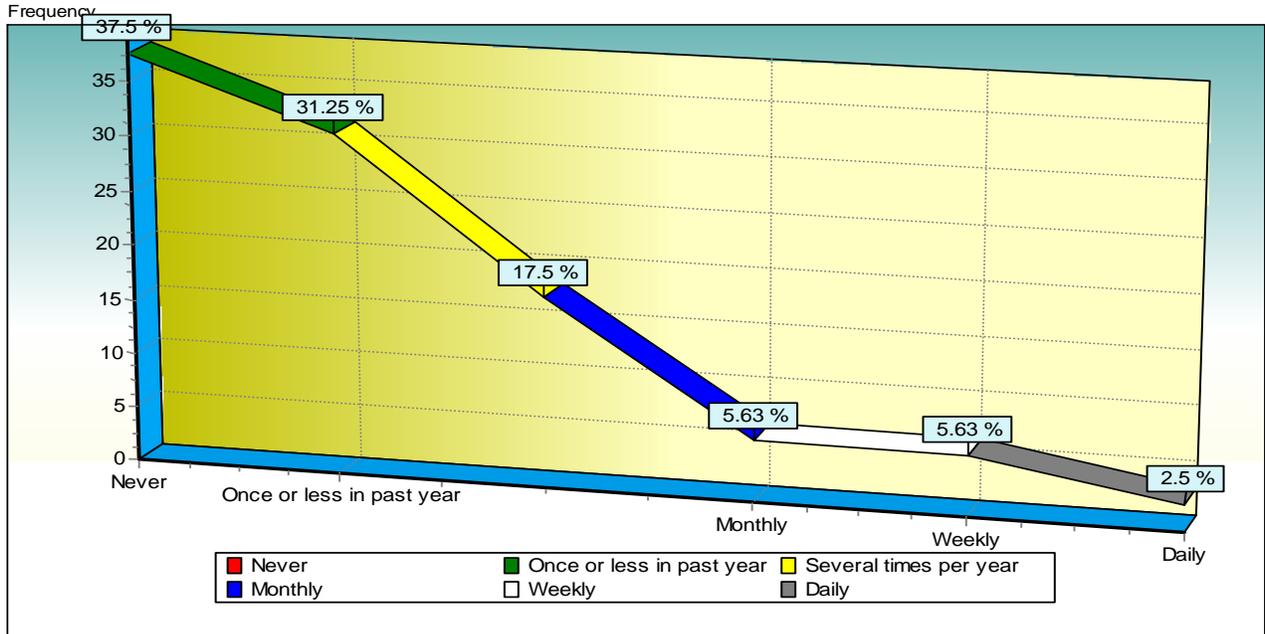


2006 Corrections Physical Task JTA - Frequency of Performance

Jump/vault over raised barrier



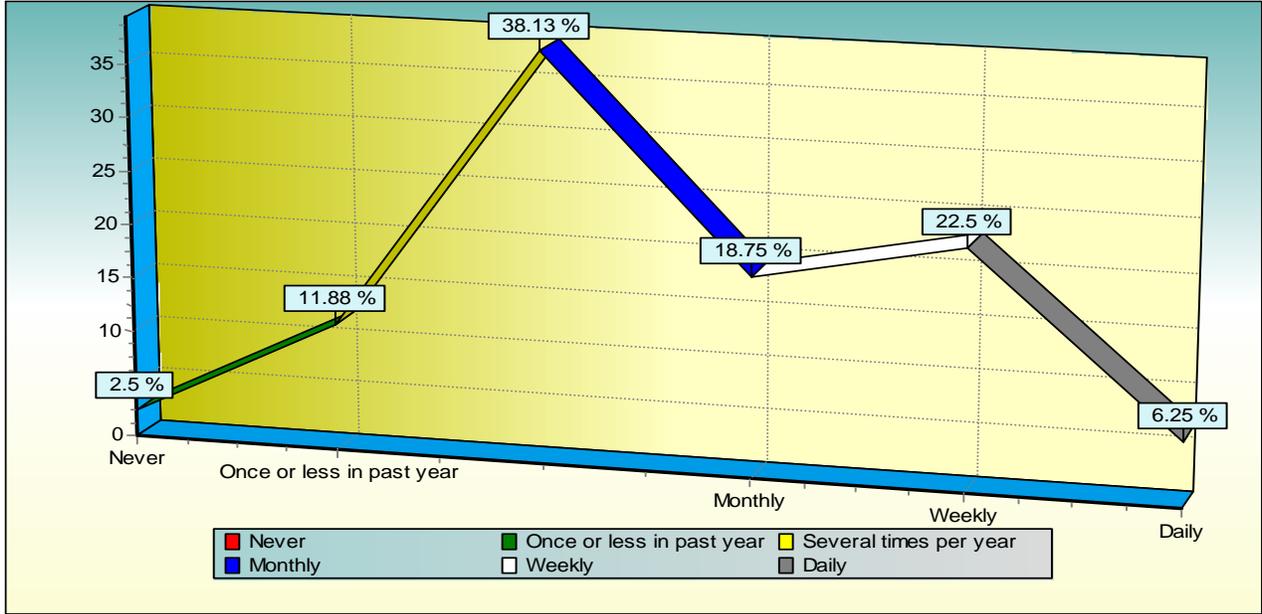
Jump up/down from elevated surface



2006 Corrections Physical Task JTA - Frequency of Performance

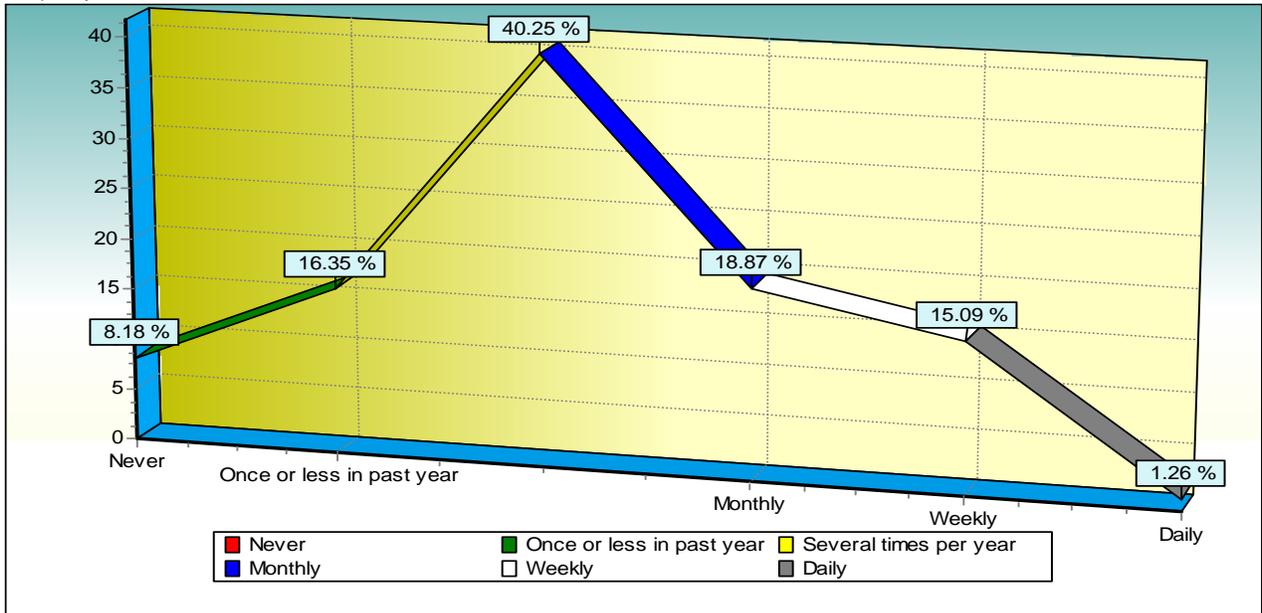
Grip and hold an inmate to maintain physical control

Frequency



Extract/place a struggling inmate in/from a cell

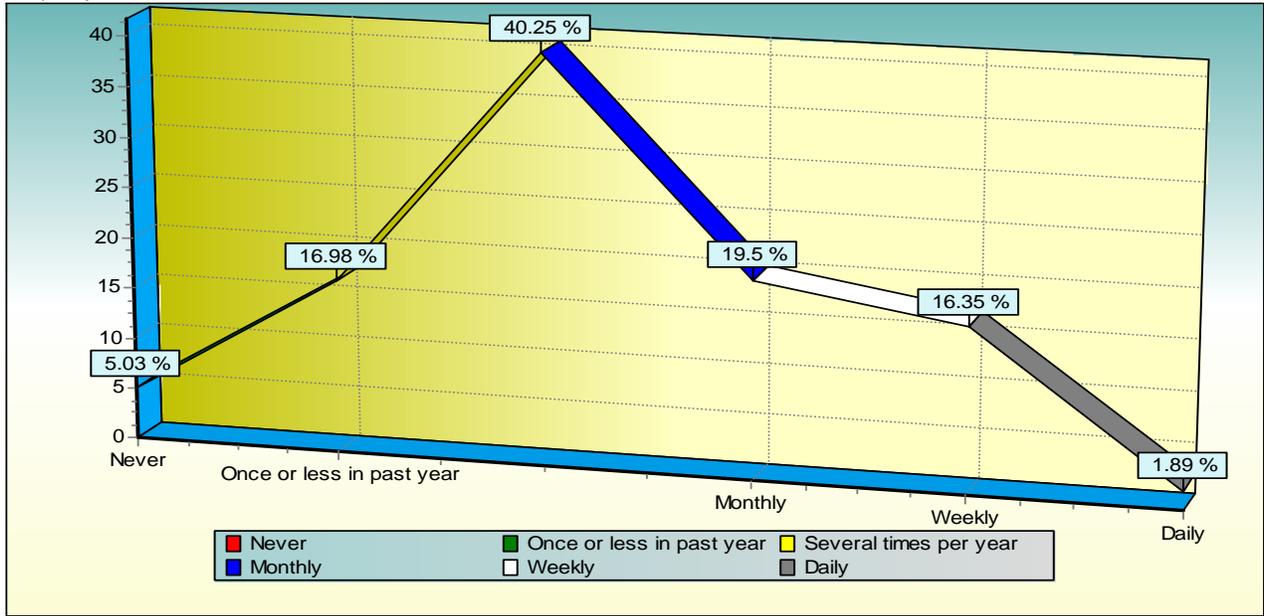
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

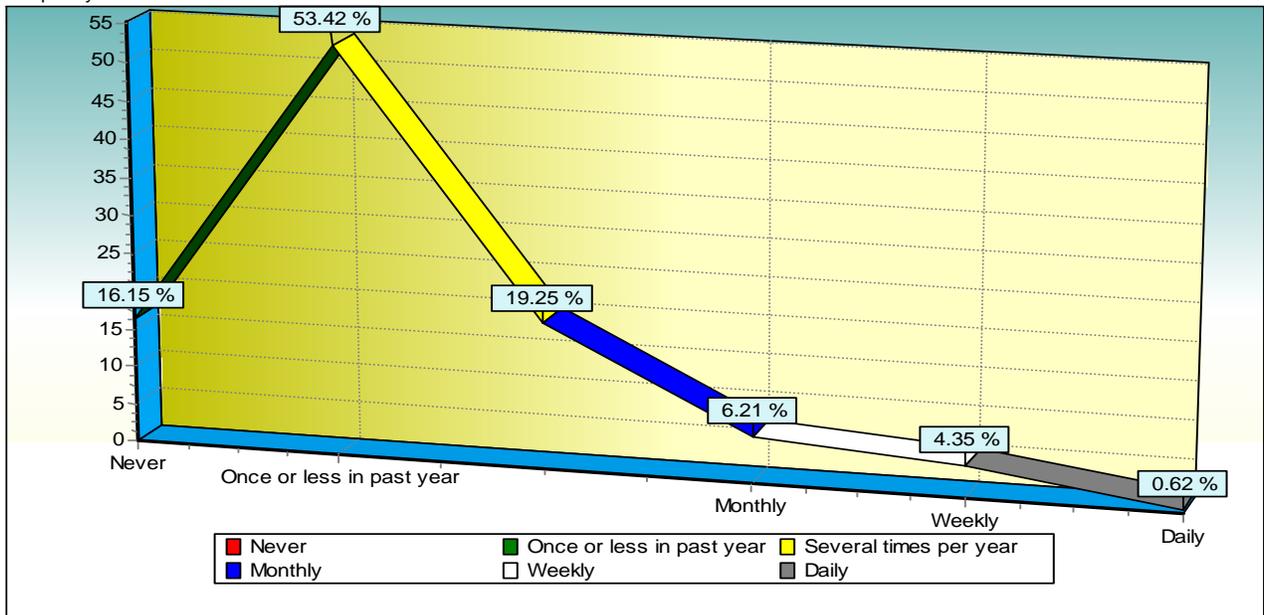
Hold/restrain a struggling inmate

Frequency



Physically defend against and control an attacking inmate

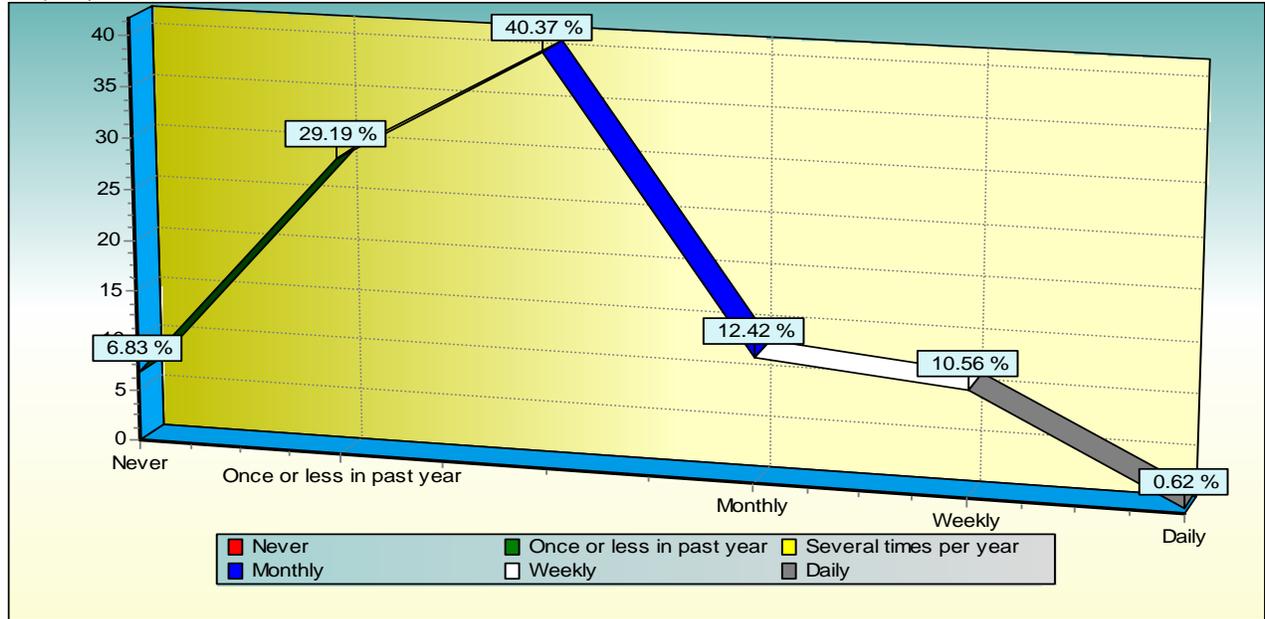
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

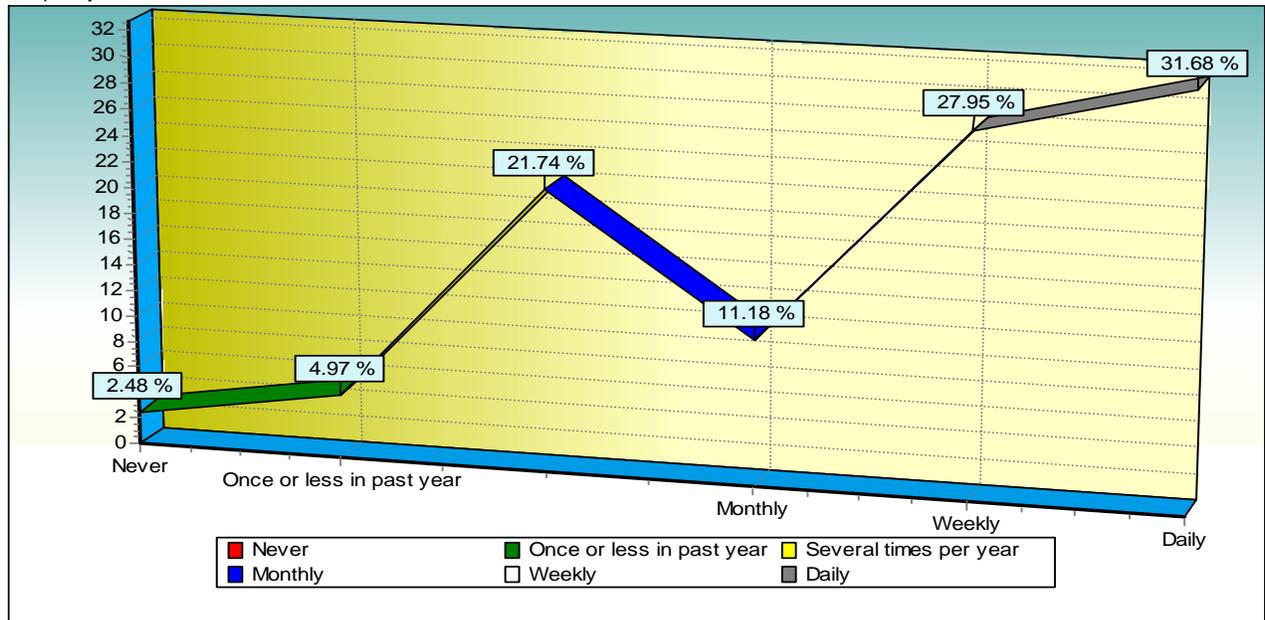
Take down and subdue a resisting inmate

Frequency



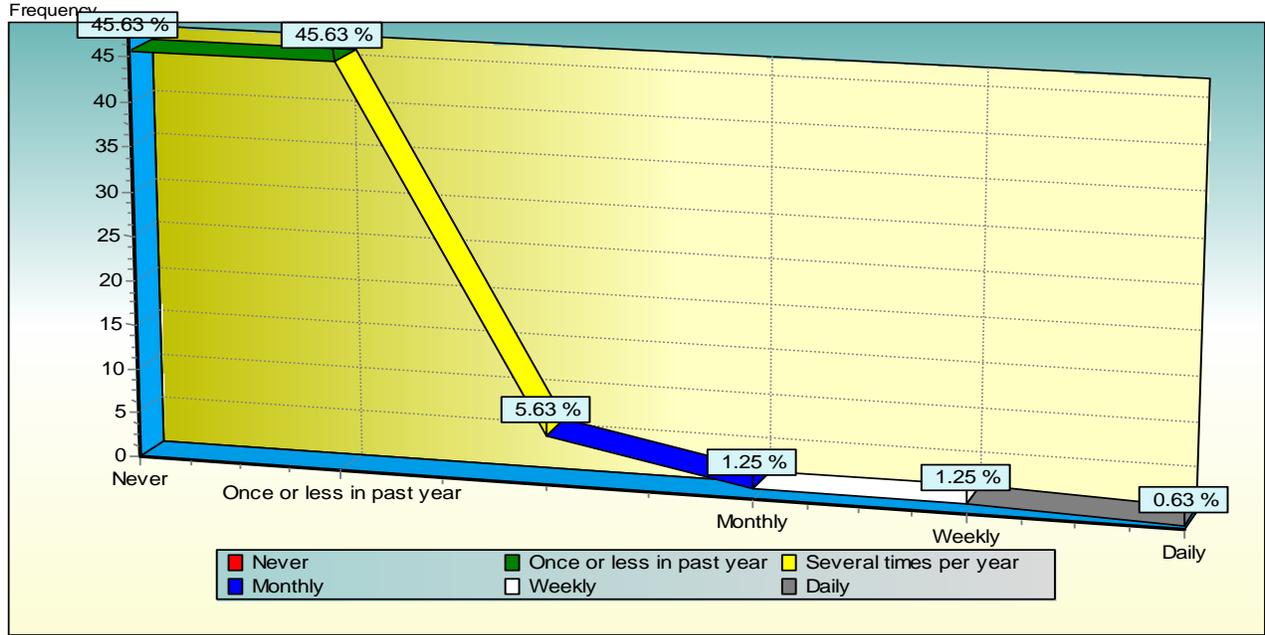
Handcuff - mechanically restrain an inmate

Frequency

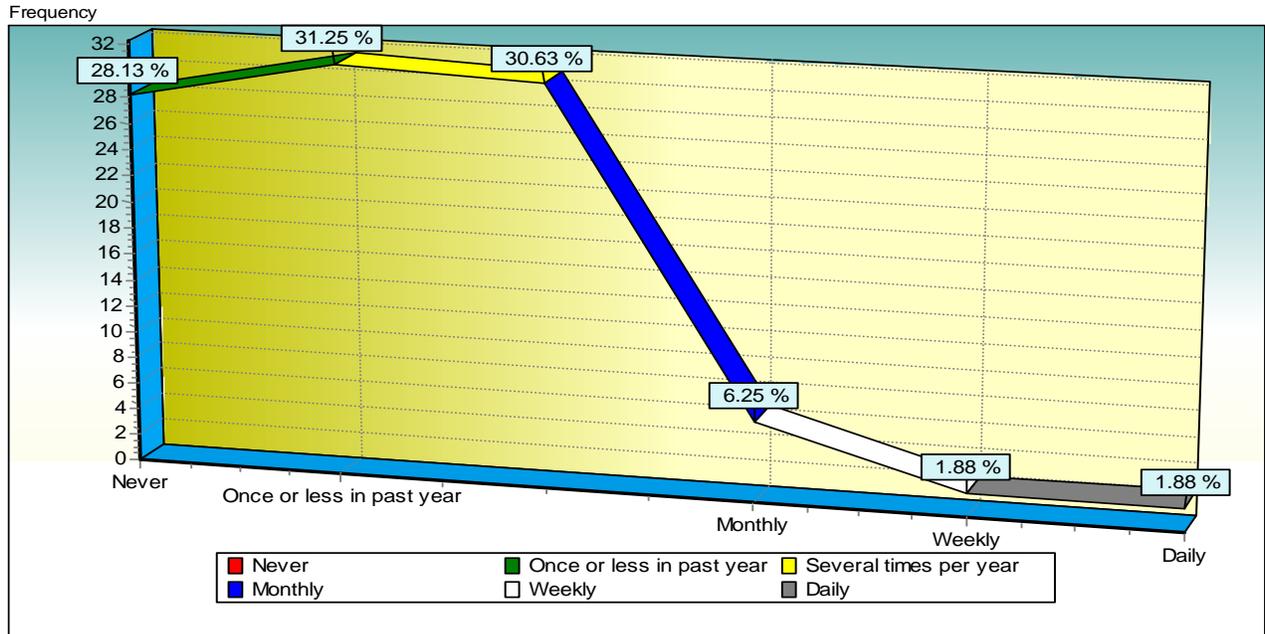


2006 Corrections Physical Task JTA - Frequency of Performance

Tackle a fleeing inmate to stop flight



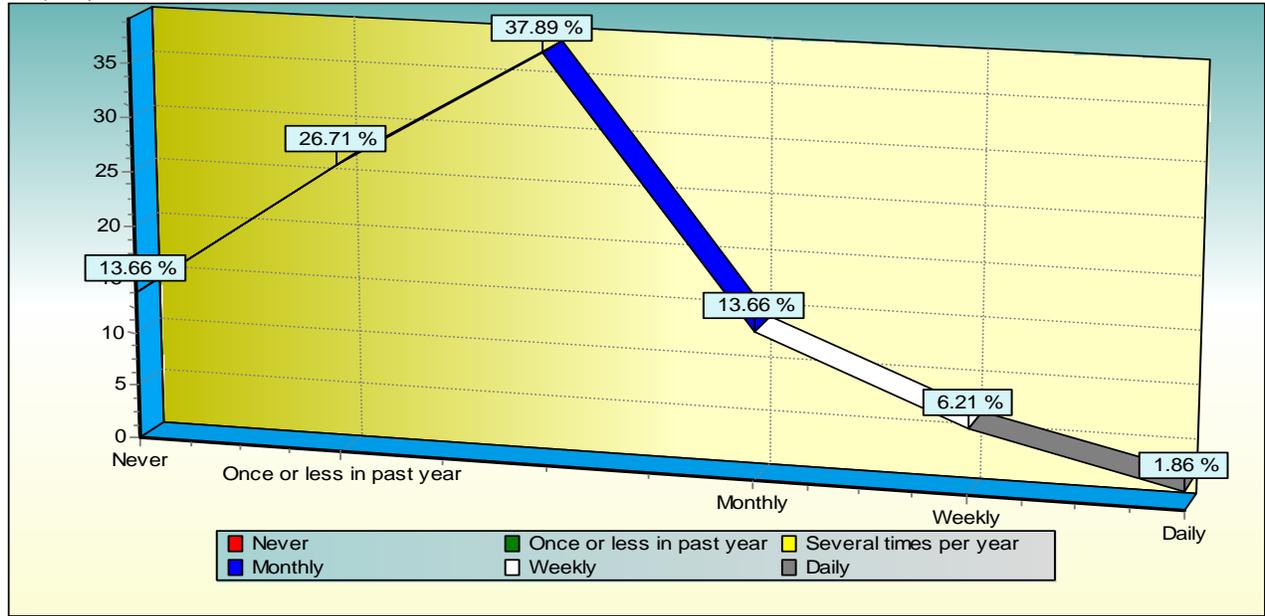
Use hand weapon(s) (other than firearm) to subdue inmate in physical confrontation



2006 Corrections Physical Task JTA - Frequency of Performance

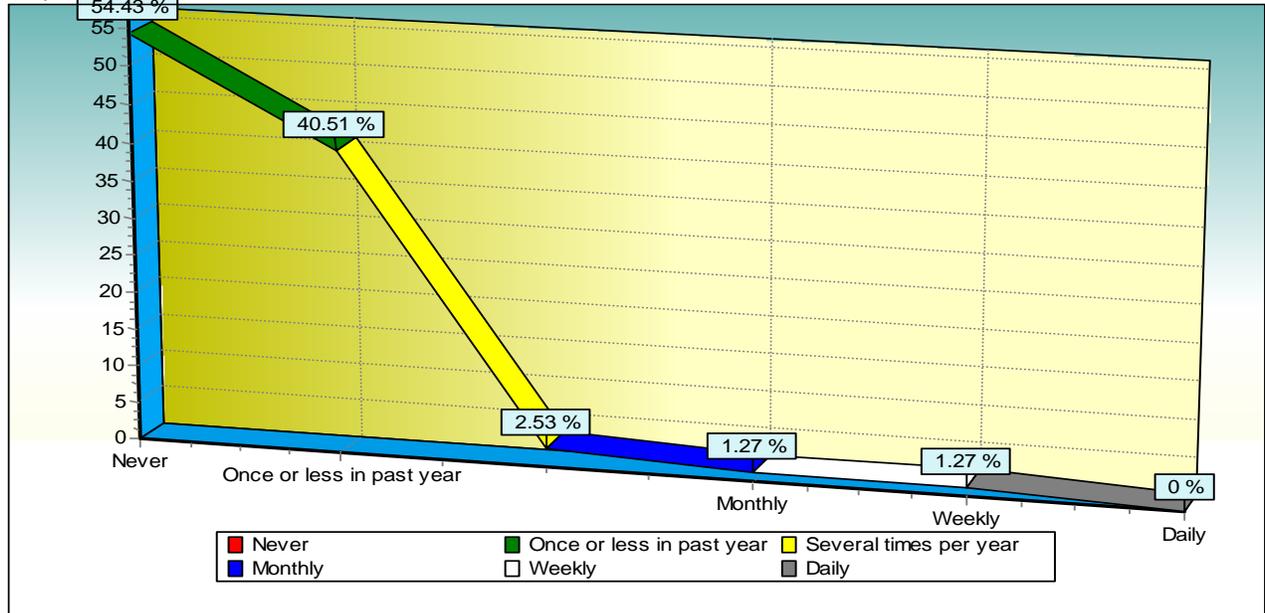
Use chemical weapon to subdue an inmate in a physical confrontation

Frequency



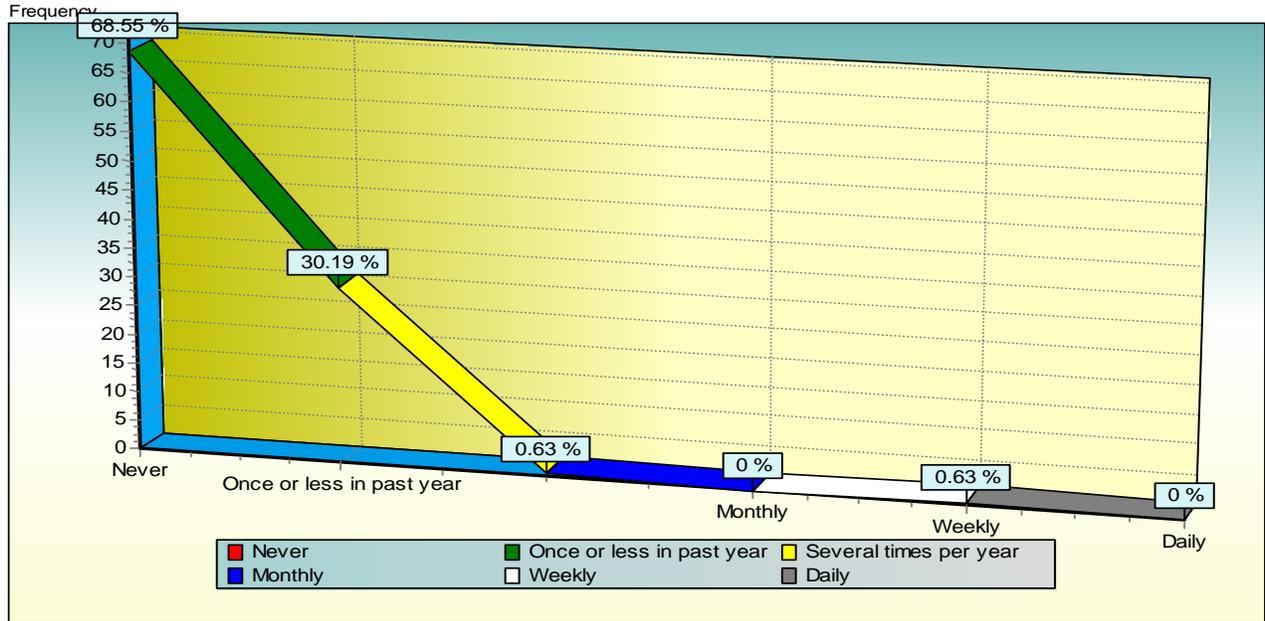
Use weapon (firearm, other) after pursuit, running, fighting-defending, or other strenuous physical activity

Frequency

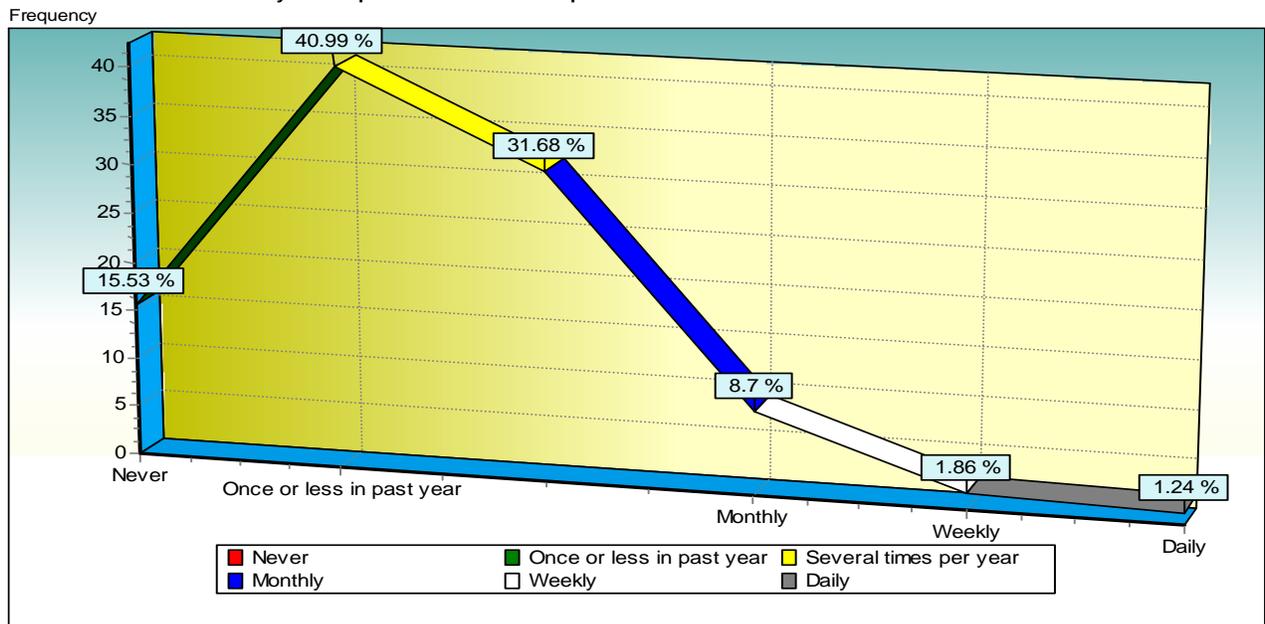


2006 Corrections Physical Task JTA - Frequency of Performance

Use firearms in physical confrontation with inmate



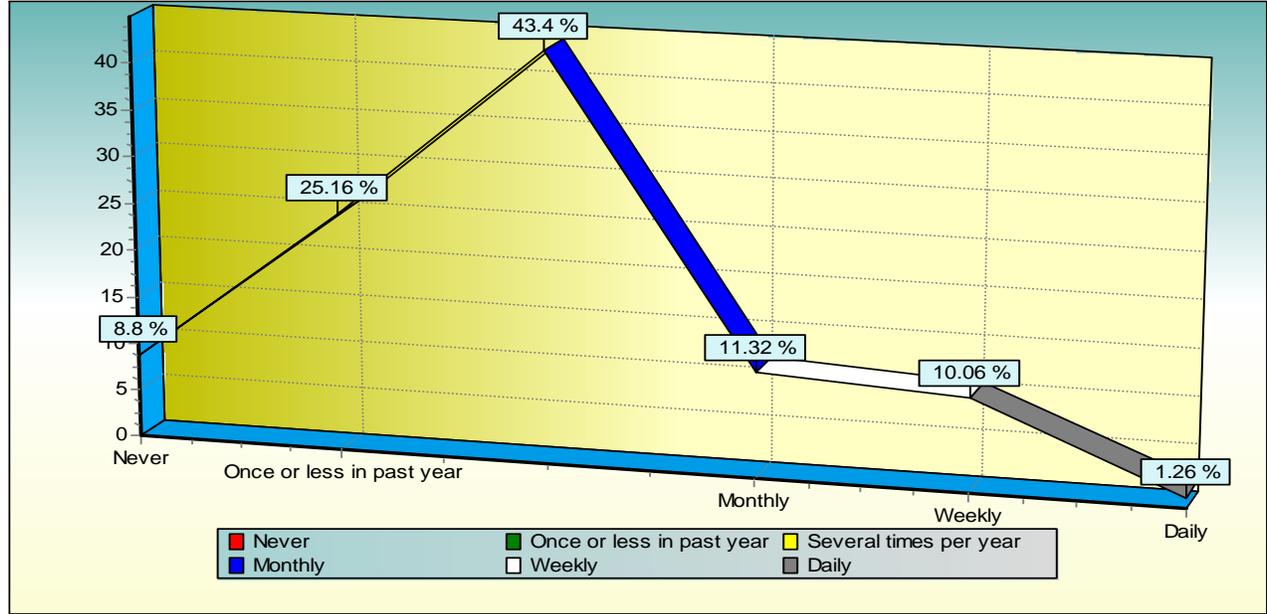
Continue to function effectively after exposure to chemical weapons



2006 Corrections Physical Task JTA - Frequency of Performance

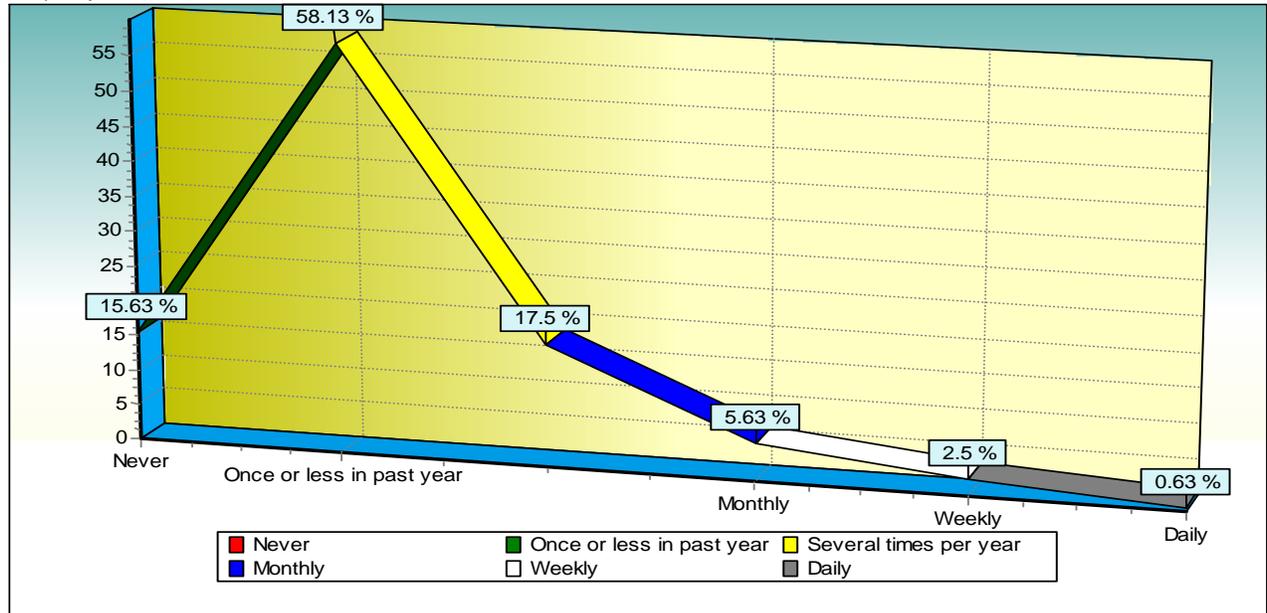
Physically intervene to break up inmate fights/physical confrontations

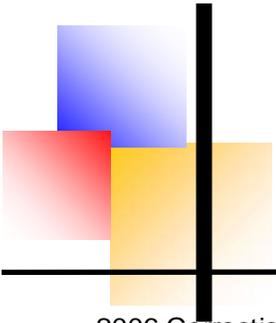
Frequency



Dodge/evade blows, thrown objects

Frequency

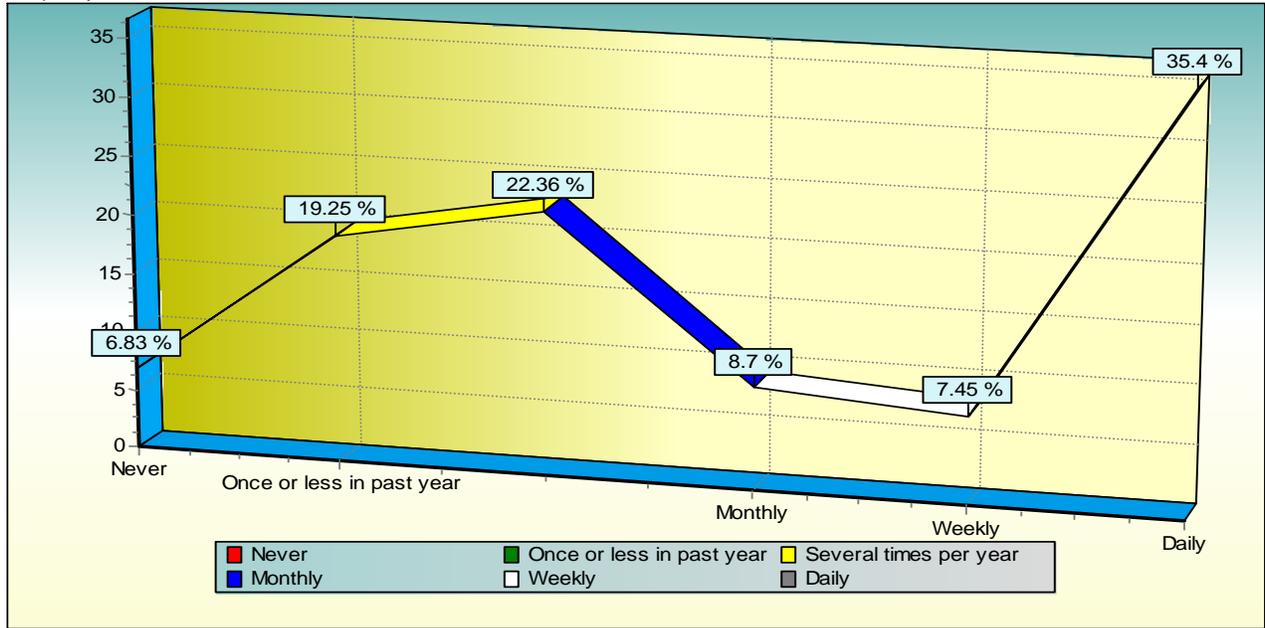




2006 Corrections Physical Task JTA - Frequency of Performance

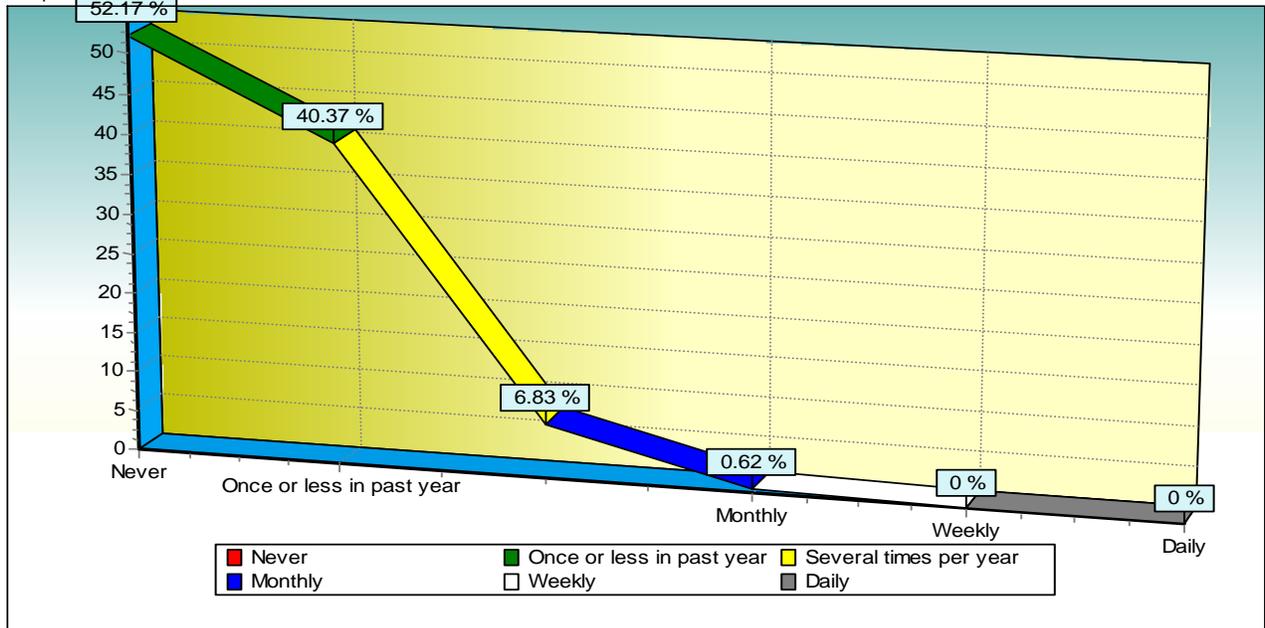
Exposure to hazardous materials (drugs, chemicals, infectious diseases, etc.)

Frequency



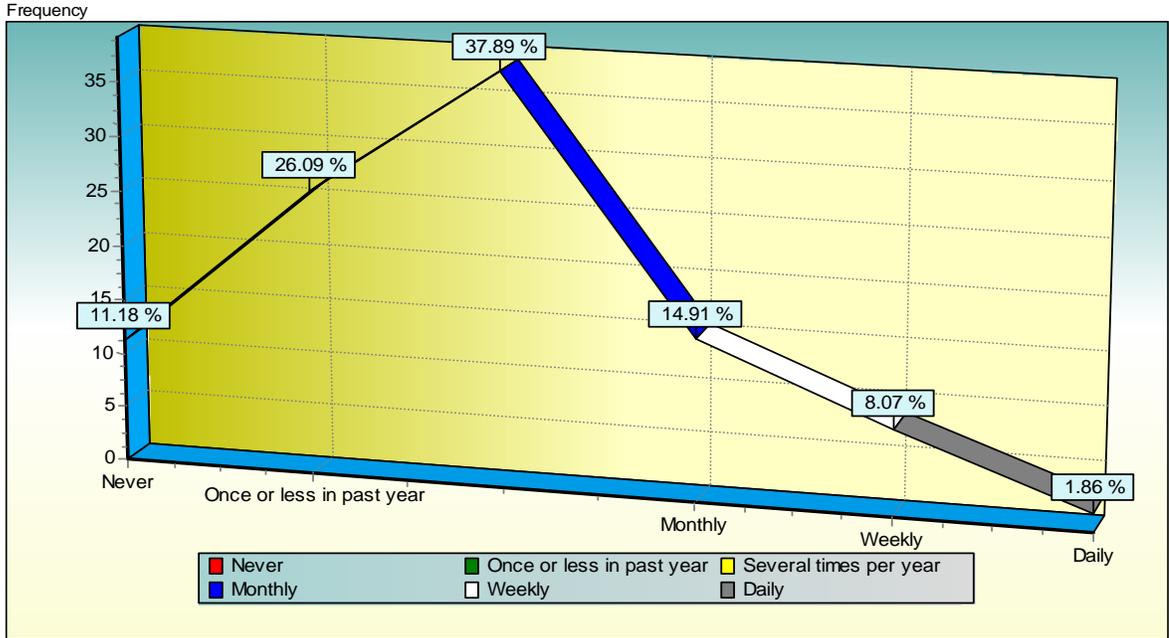
Pursue fleeing inmate on foot, negotiating barriers and hazards (running, jumping, climbing, etc.), struggle with and subdue after pursuit/evasion

Frequency

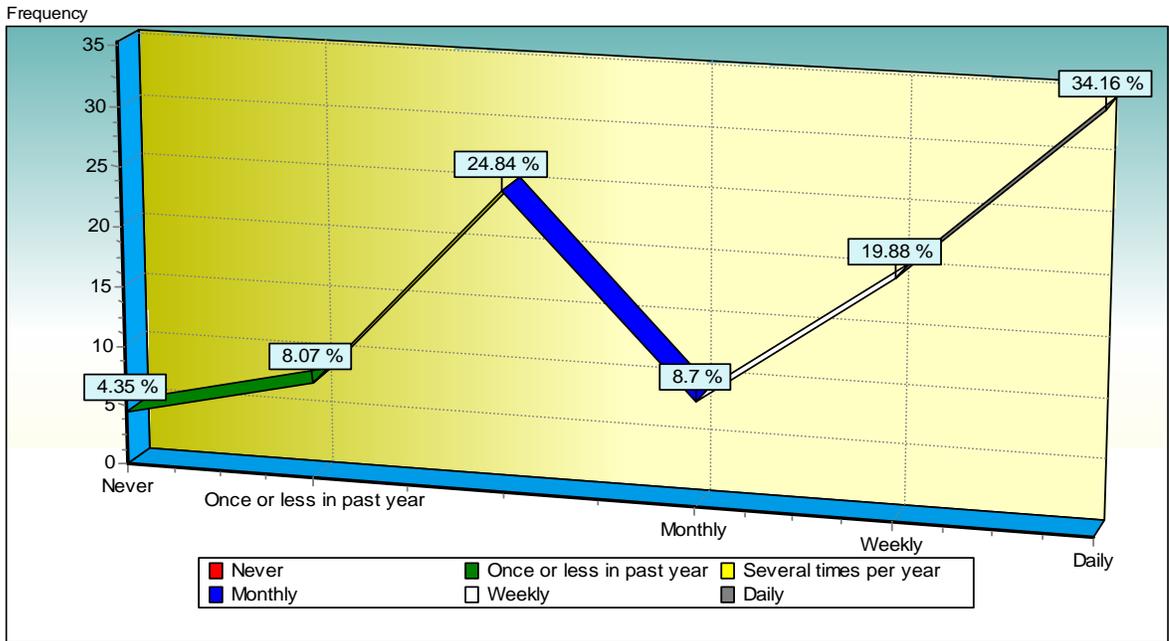


2006 Corrections Physical Task JTA - Frequency of Performance

Subdue and physically/mechanically restrain, lift/carry/drag inmate to/from cell or holding area



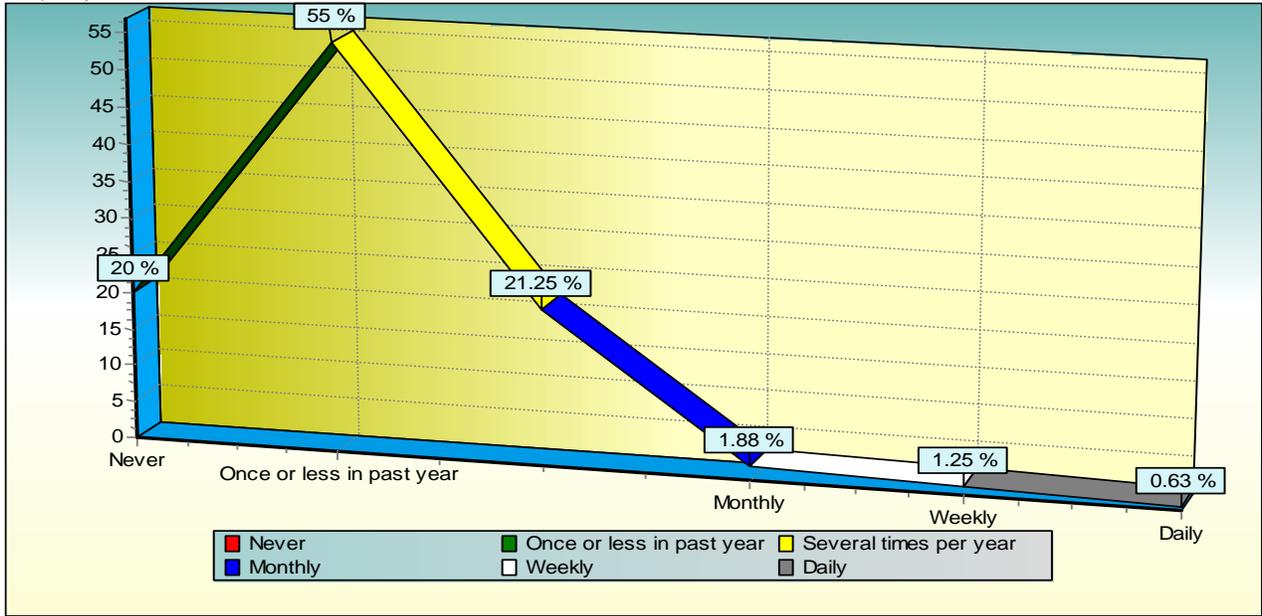
Transport inmate (resisting, not resisting) within the facility, maintaining physical control, negotiating stairs, doorways, obstacles and other features



2006 Corrections Physical Task JTA - Frequency of Performance

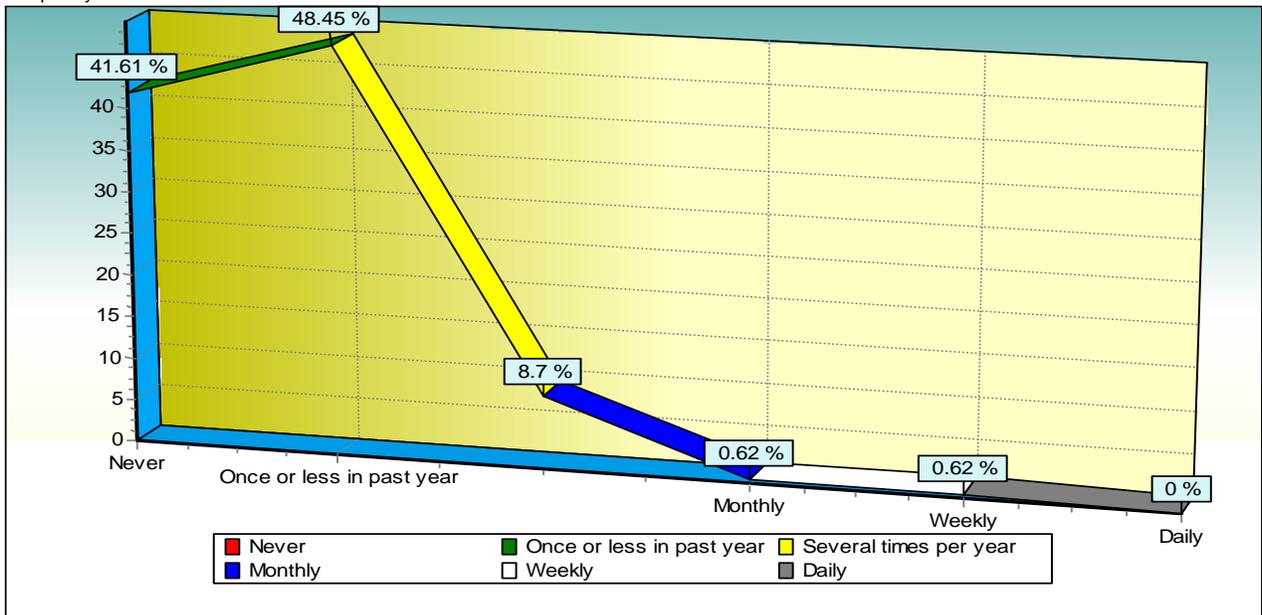
Being struck by, and/or striking inmates (physical altercations)

Frequency



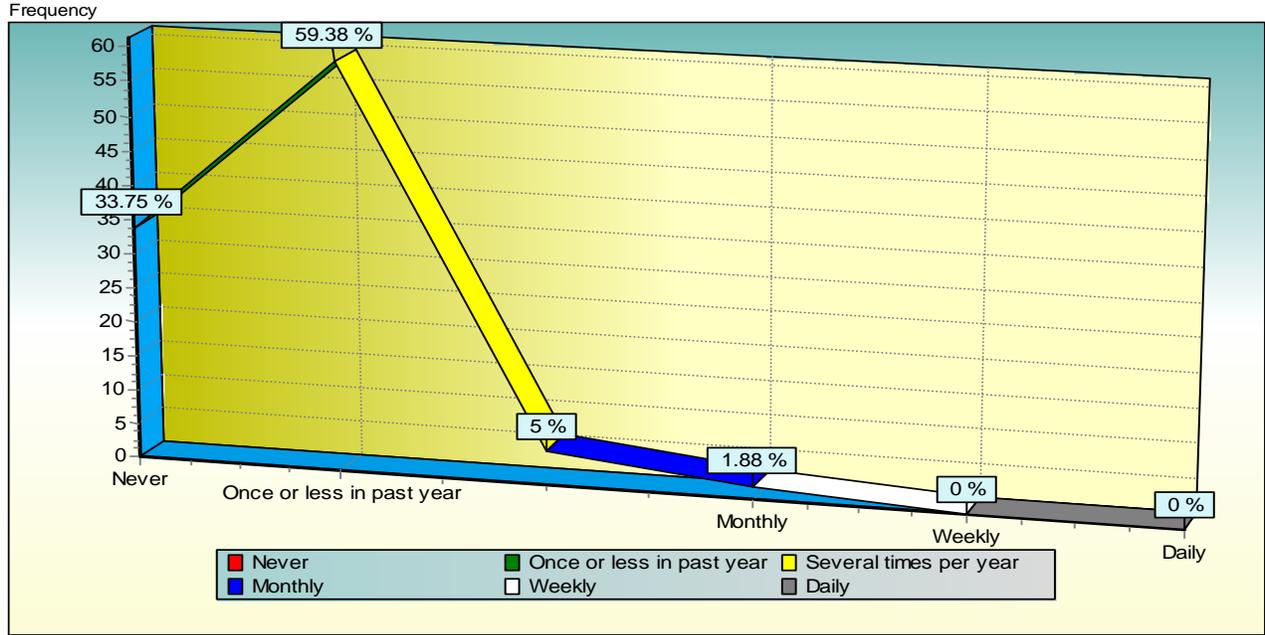
Physically struggling with multiple inmates

Frequency

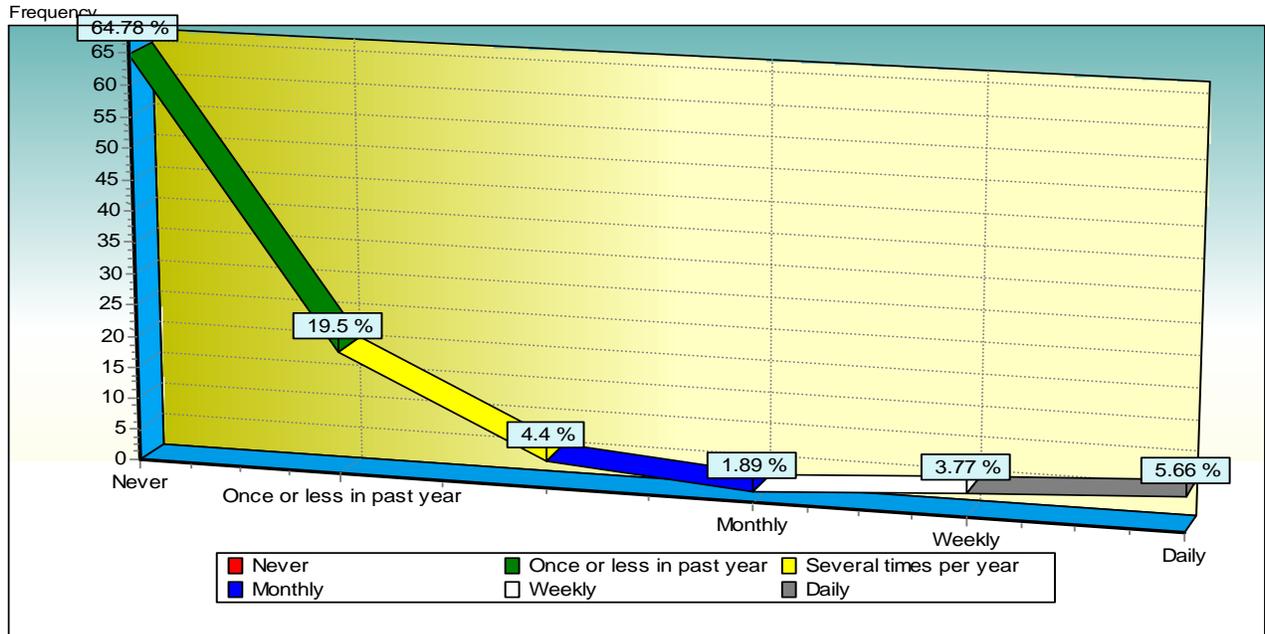


2006 Corrections Physical Task JTA - Frequency of Performance

Falling/being knocked down in struggle or pursuit - recovering to feet - resuming struggle/pursuit



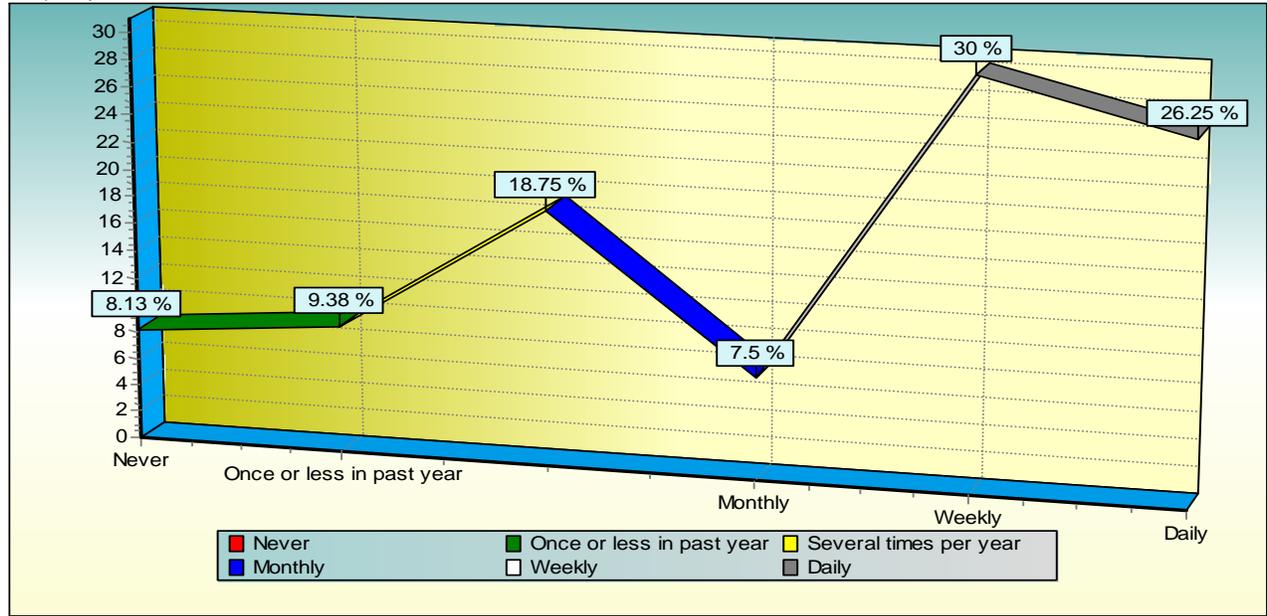
Operating, servicing and maintaining agricultural equipment and tools (powered and unpowered)



2006 Corrections Physical Task JTA - Frequency of Performance

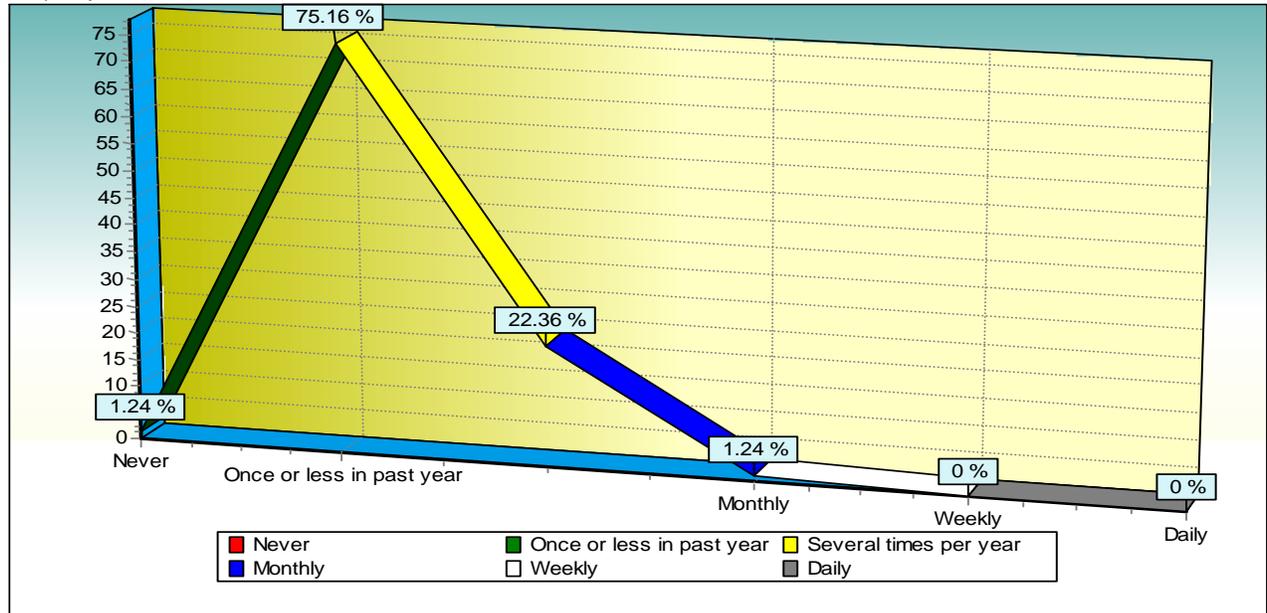
Loading, unloading, driving transport vehicles (cars, vans, buses), while maintaining control of inmates

Frequency



Participate in Defensive Tactics Training (DT's)

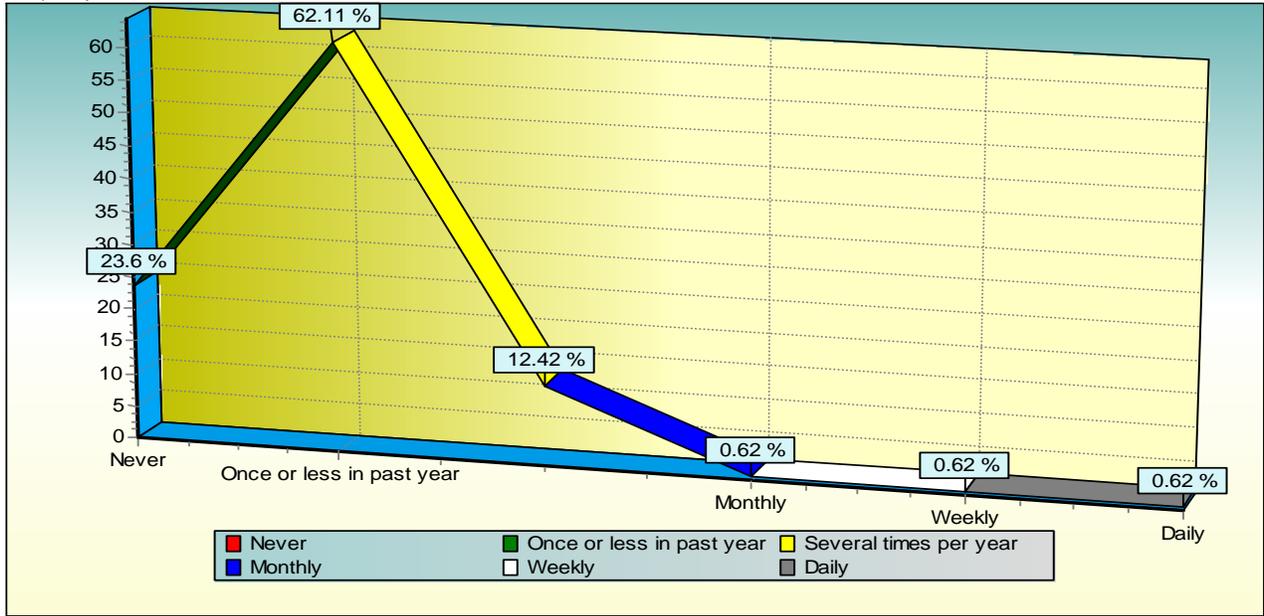
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

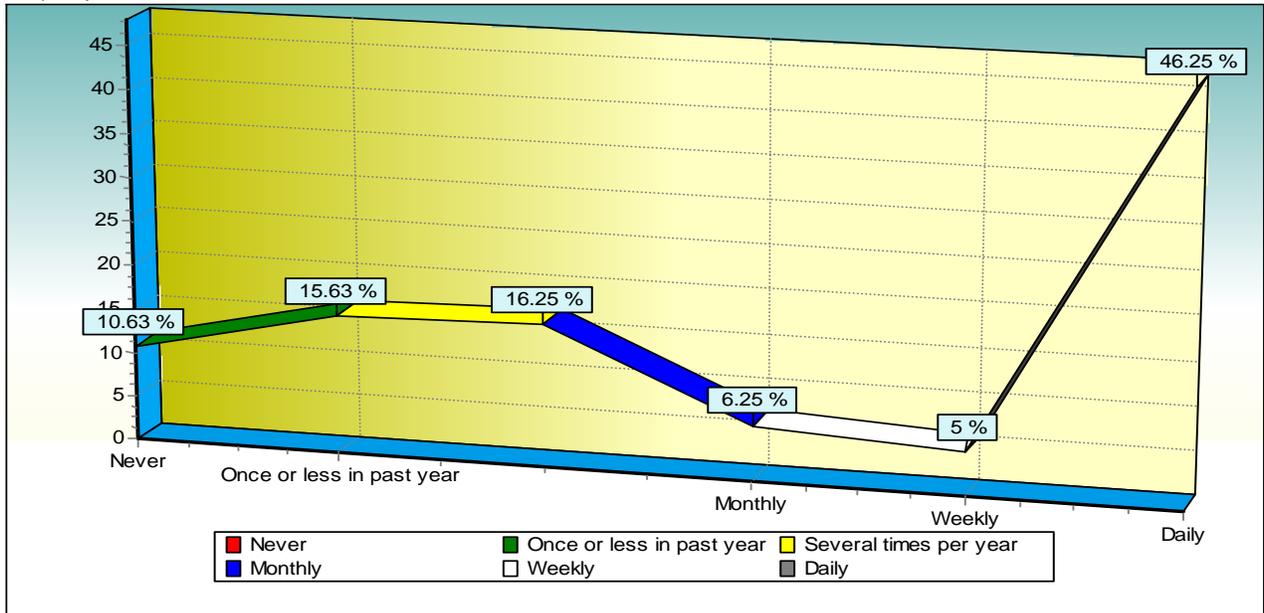
Continuing to function in a physical confrontation after being struck/injured

Frequency



Maintain a state of hypervigilance (acute sensory awareness over protracted period of time (hours))

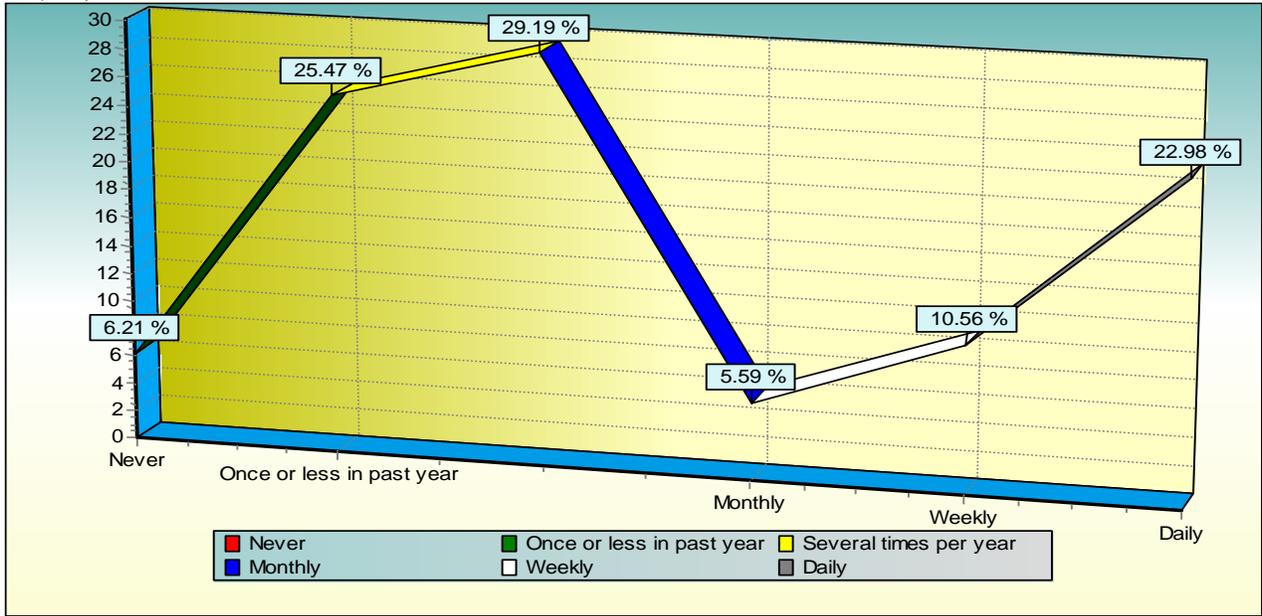
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

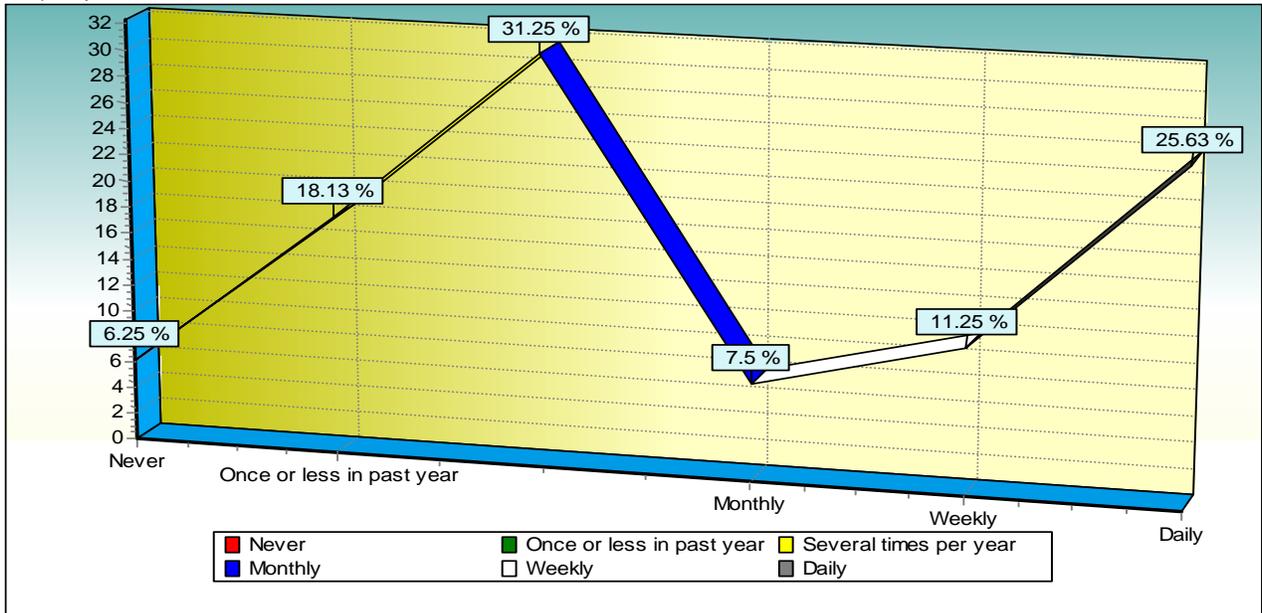
Cope with the physical effects of acute emotional stress (fear, anger, etc) (self)

Frequency



Cope with physical effects of acute emotional stress (others)

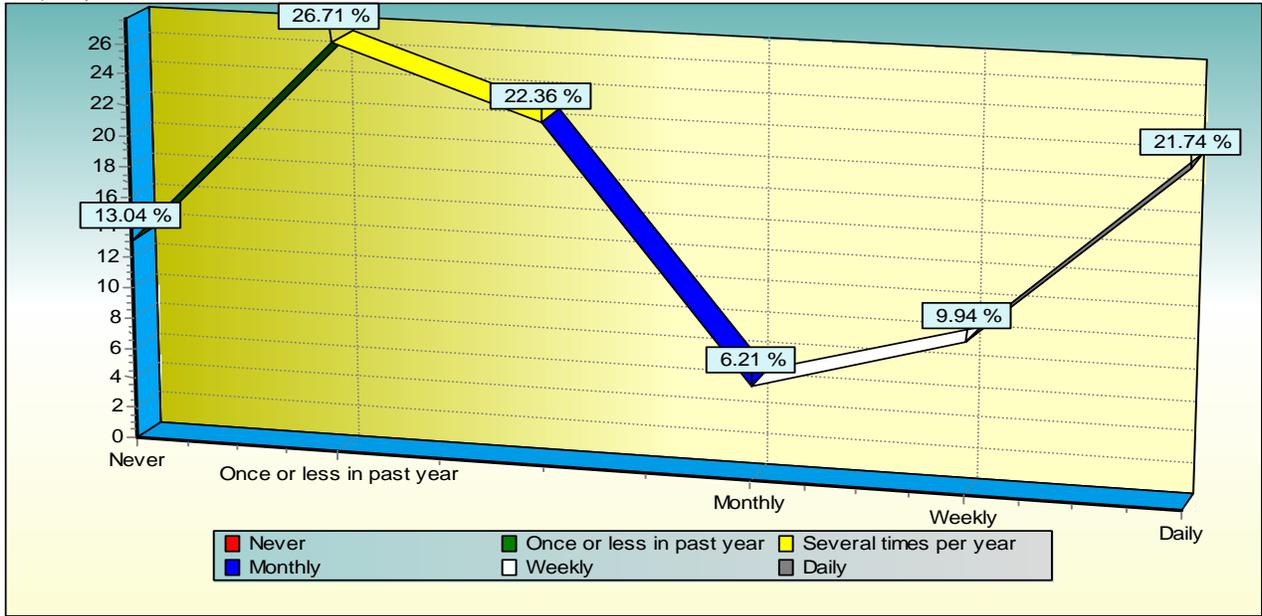
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

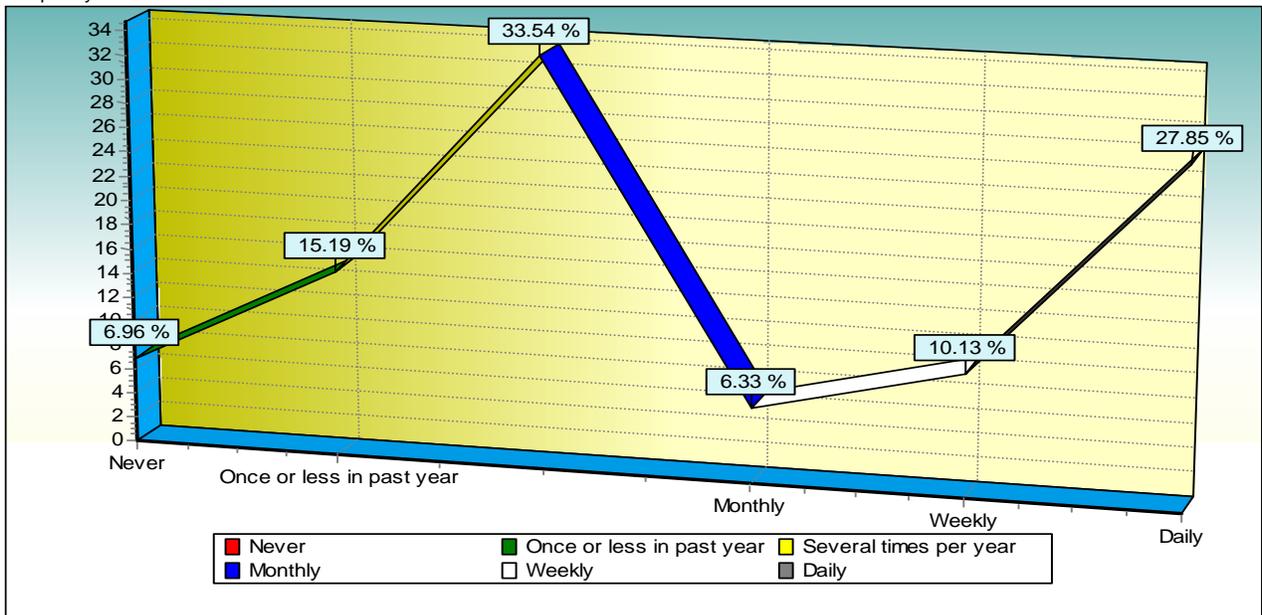
Cope with the physical effects of chronic (cumulative) emotional stress (self)

Frequency



Cope with the chronic (cumulative) emotional stress (others)

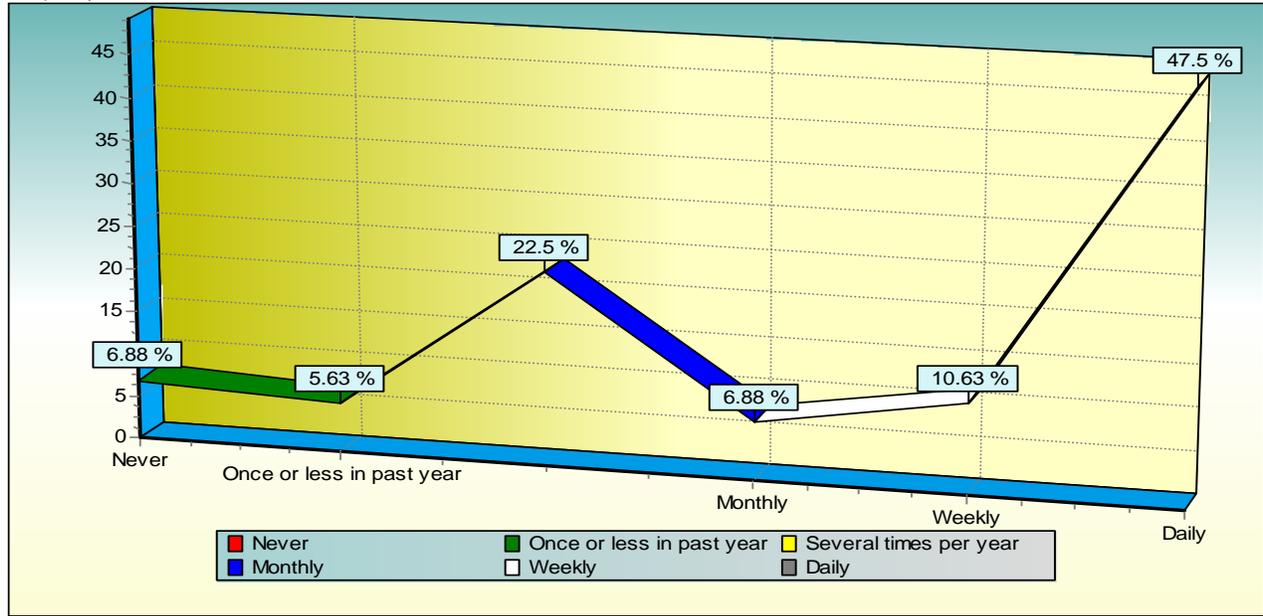
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

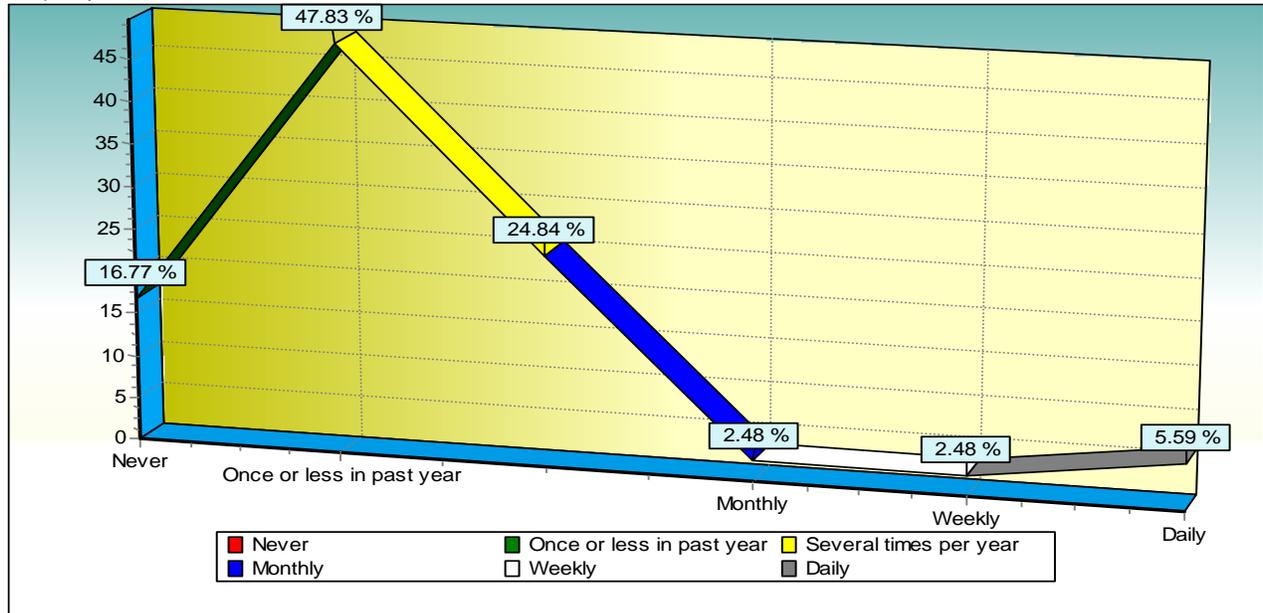
Cope with the chronic physical effects of shift-work

Frequency



Cope with the emotional and physical results of being struck by - exposed to bodily fluids

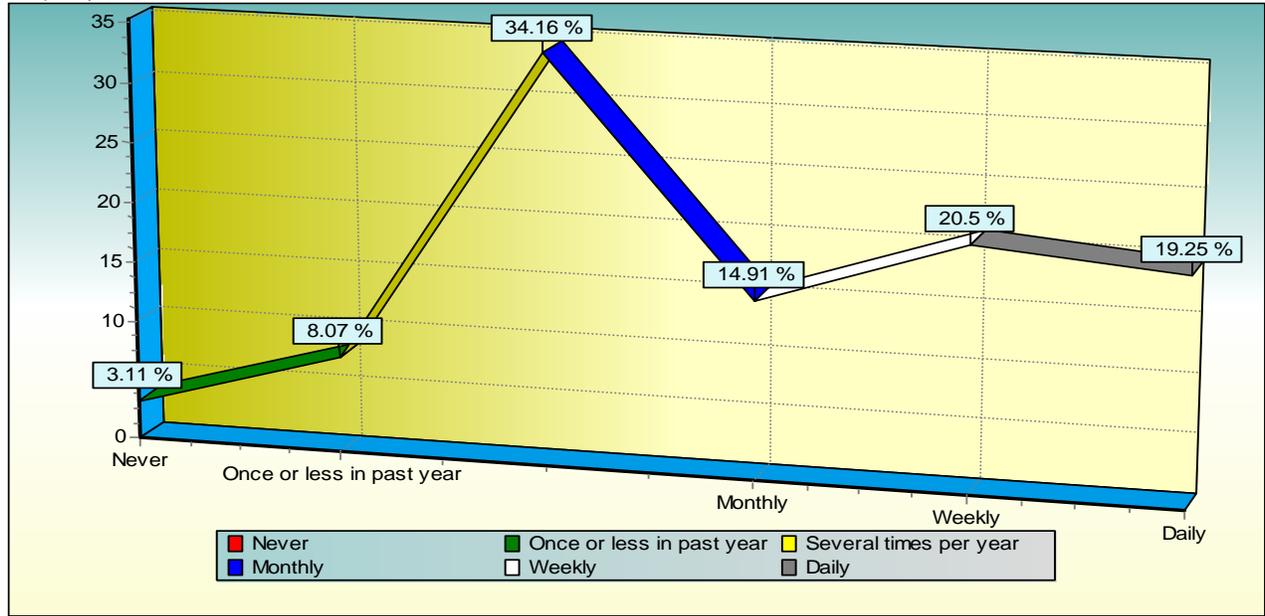
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

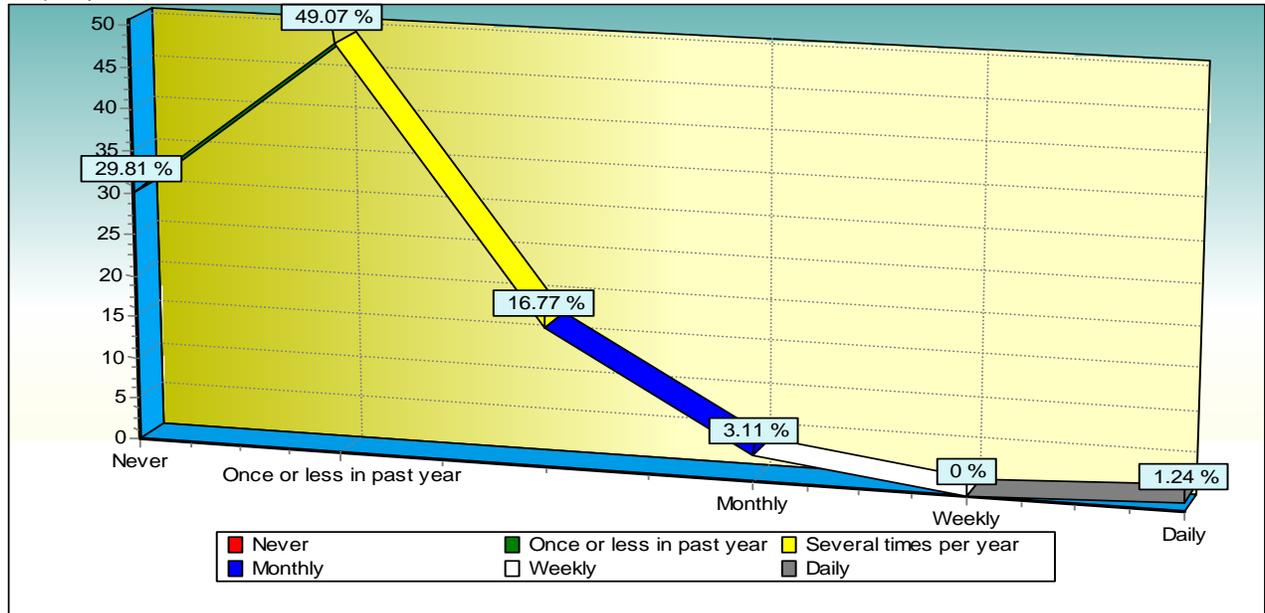
Cope with the emotional and physical impact of being subjected to verbal threats of violence

Frequency



Cope with the emotional impact witnessing sexual acts among inmates

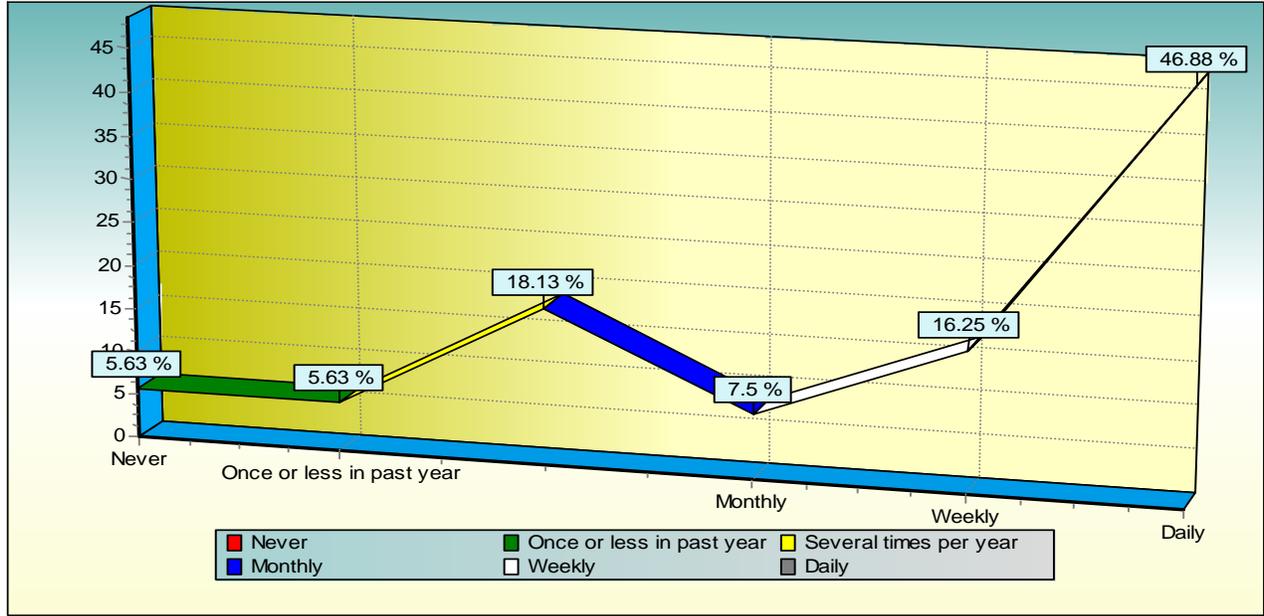
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

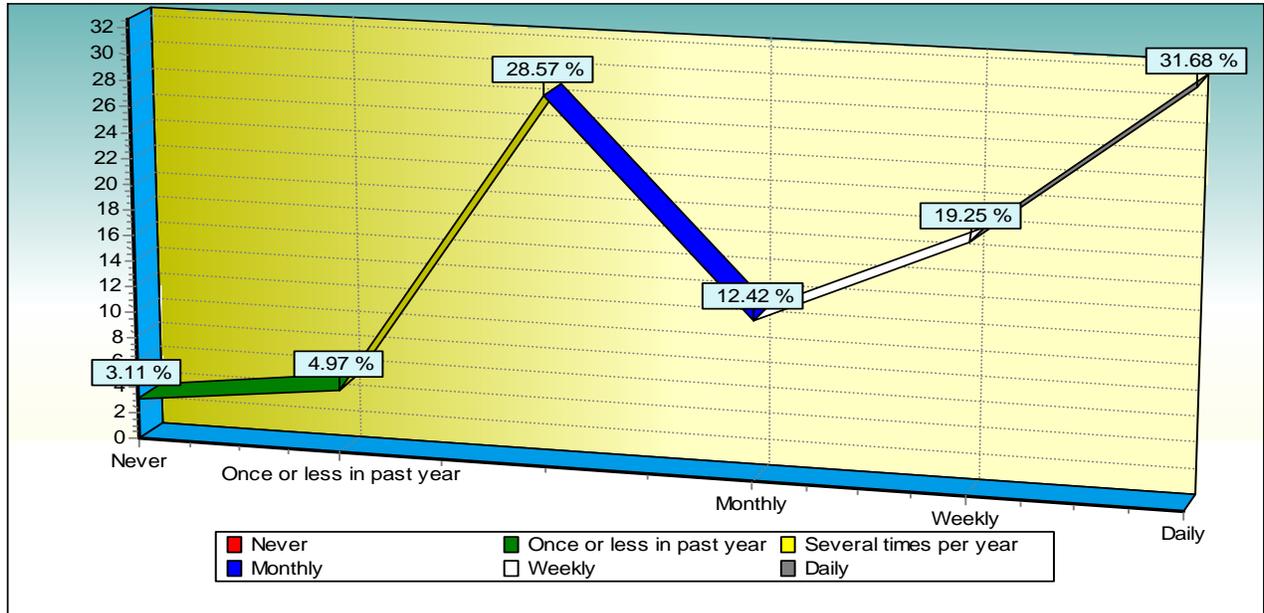
Cope with the emotional impact of coping with seriously mentally ill inmates

Frequency



Cope with the emotional impact of verbal abuse from inmates

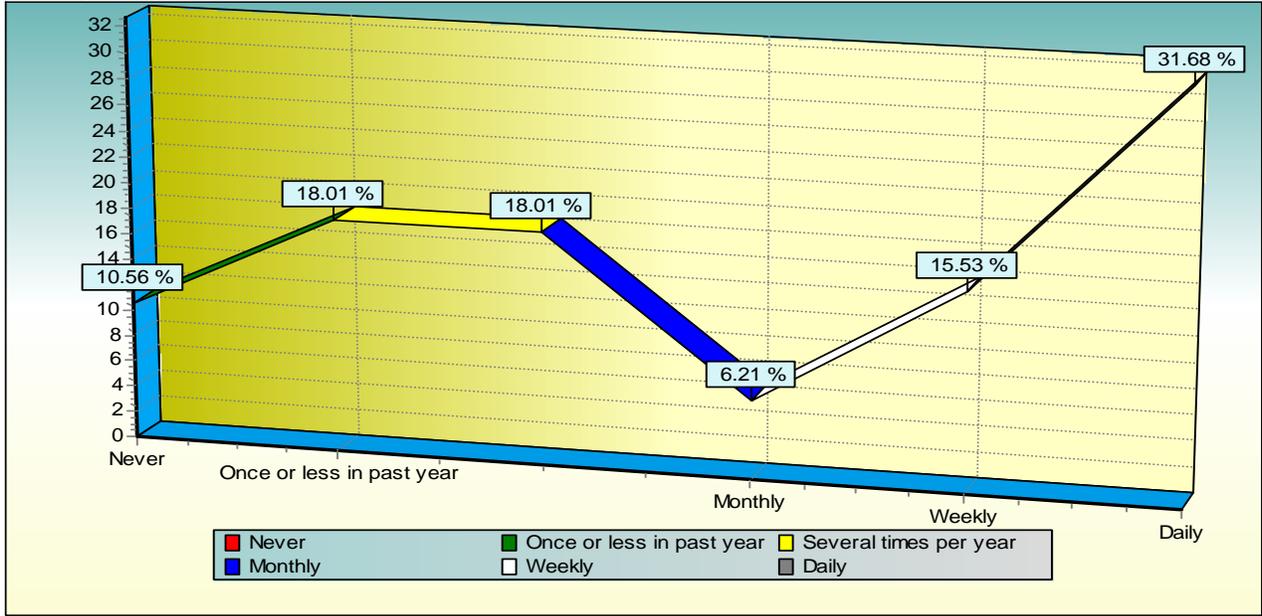
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

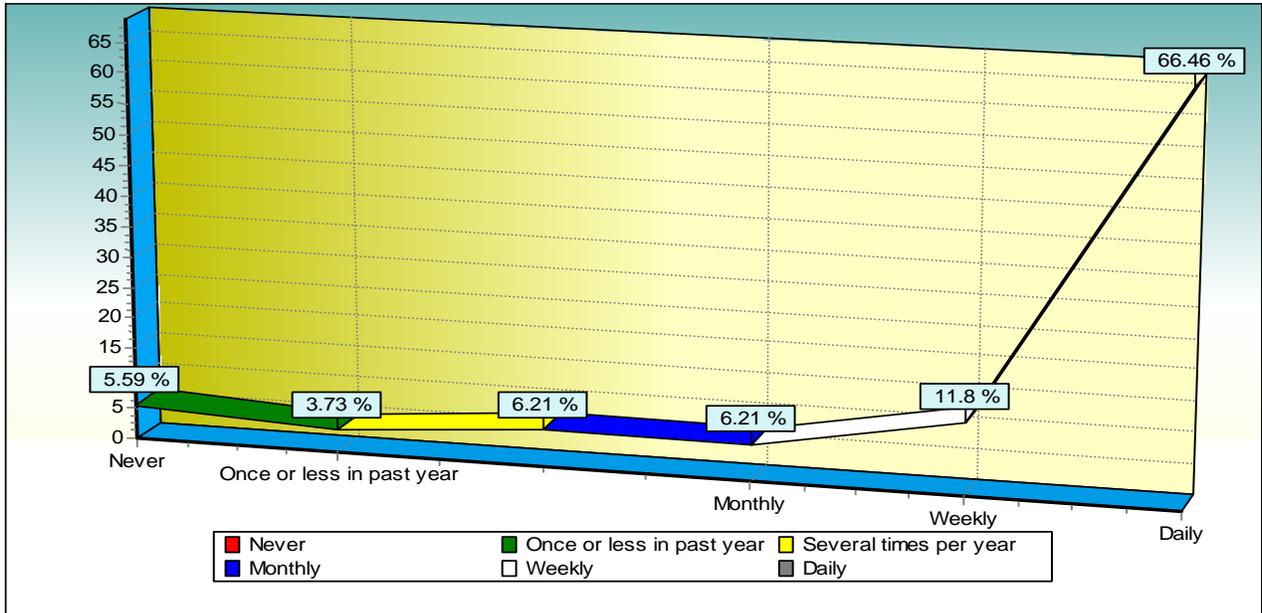
Kneel, squat and recover to feet repeatedly

Frequency



Repetitive hand movement (e.g., typing, writing, car code scanning, etc.) for up to several hours per day.

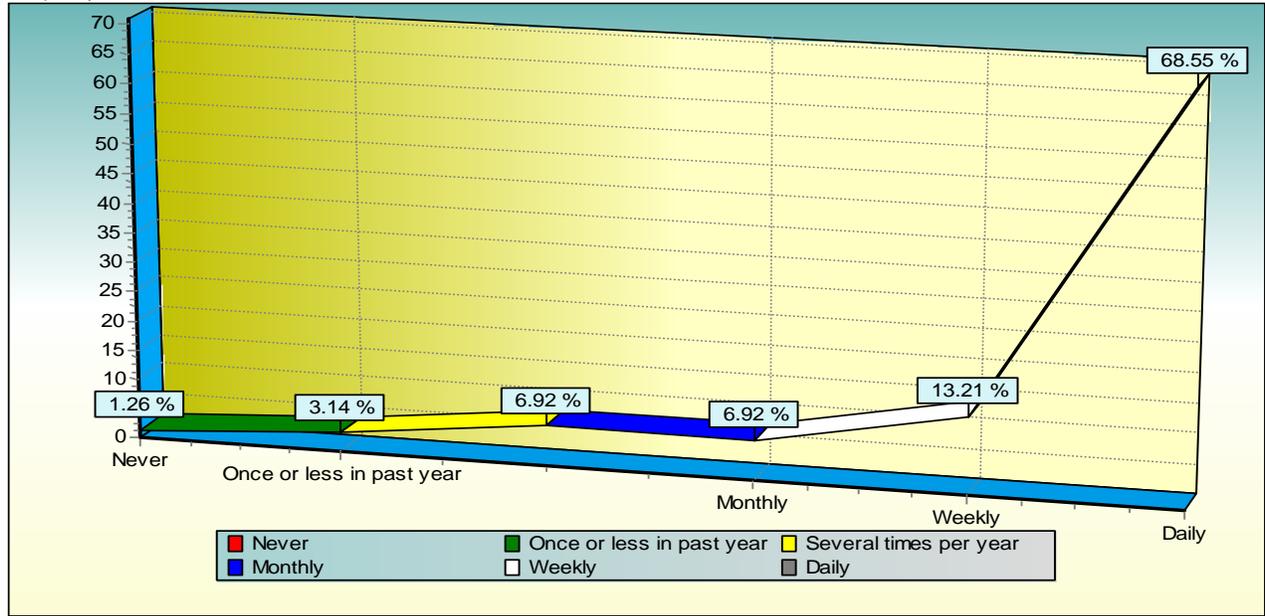
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

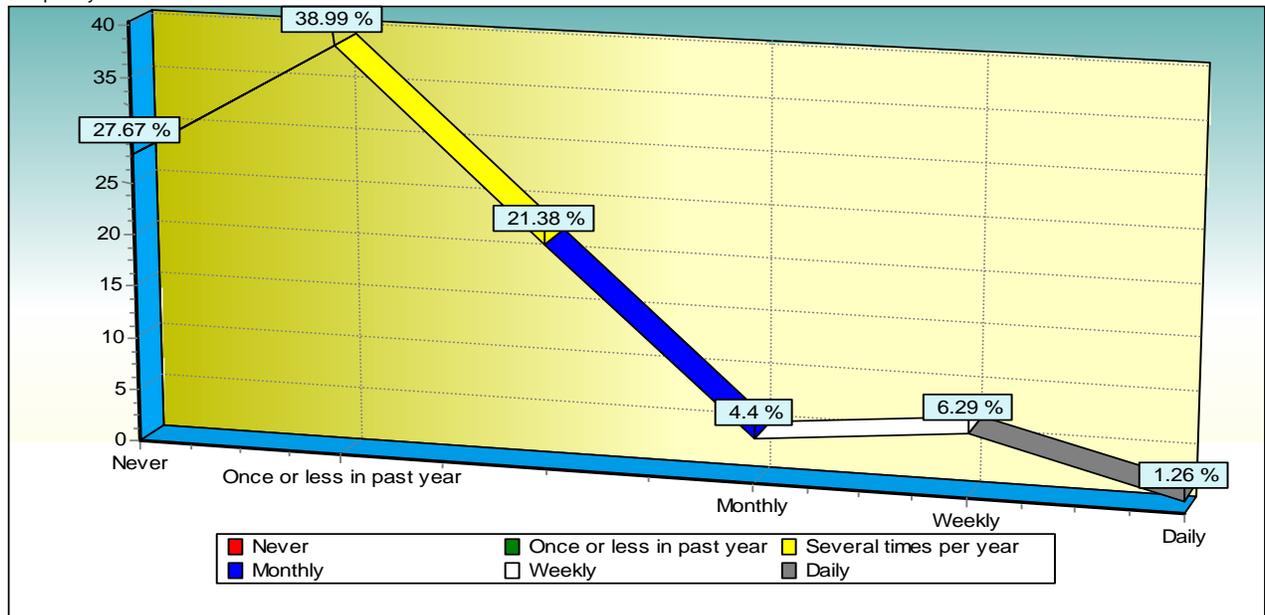
Bending over from waist at or below waist level

Frequency



Crawling on hands and knees

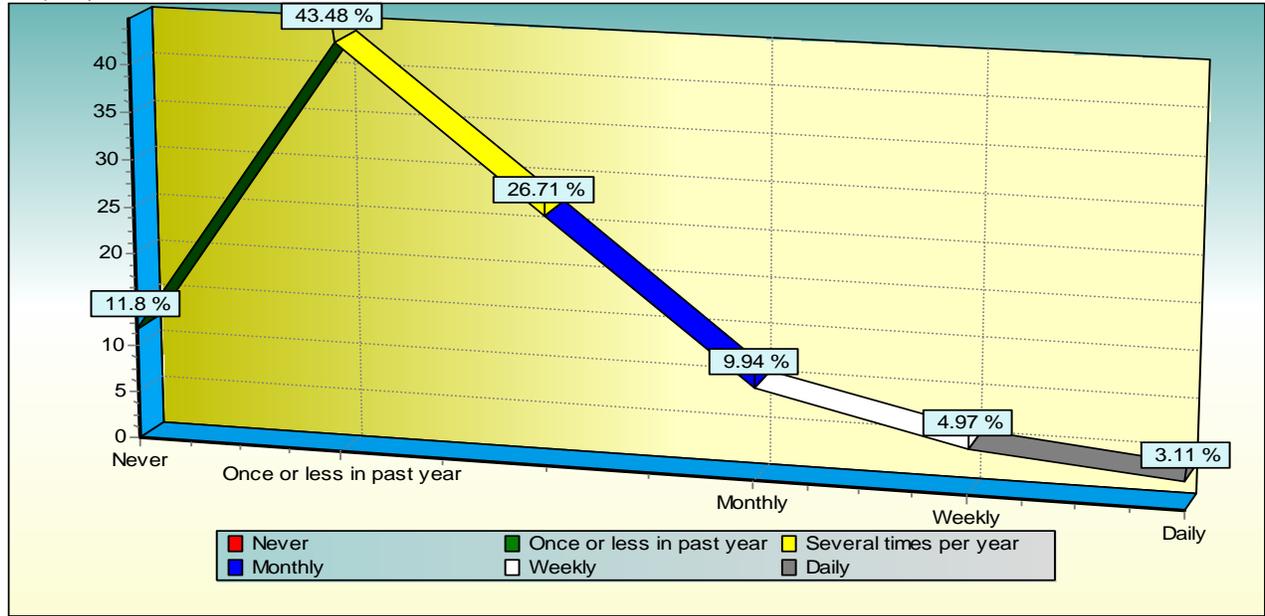
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

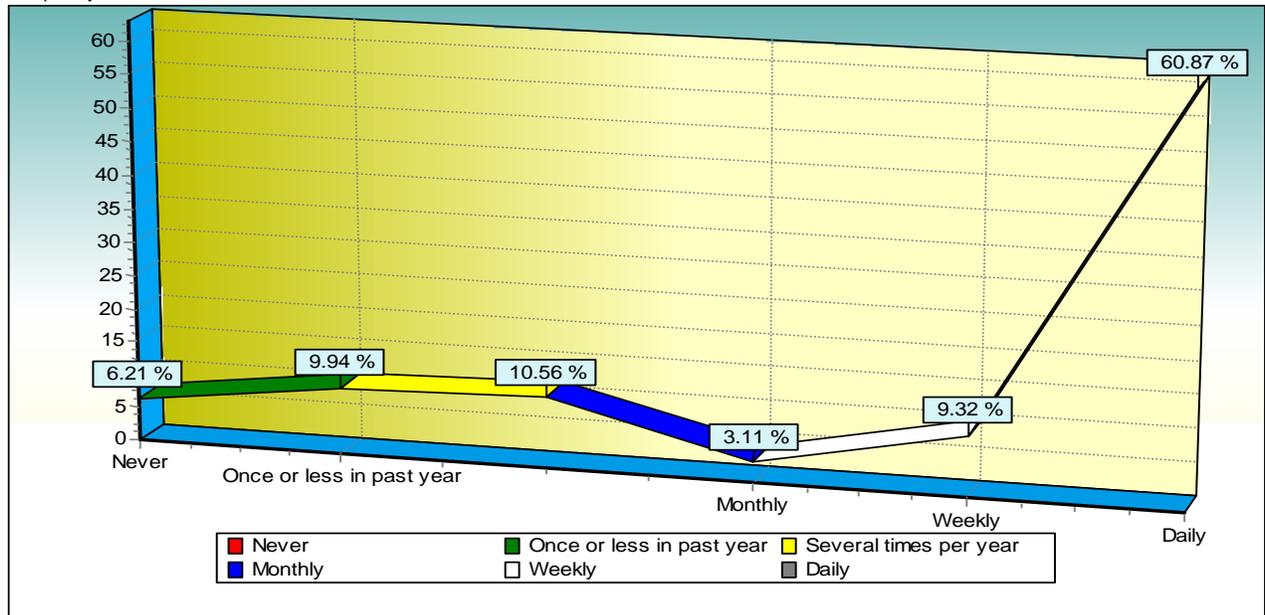
Cardio-vascular endurance (sustained high-demand physical exertion for longer than three minutes)

Frequency



Accurately visually detect and resolve images, facial and body features, and movement of persons and objects in varying light conditions, at distances up to 100 feet

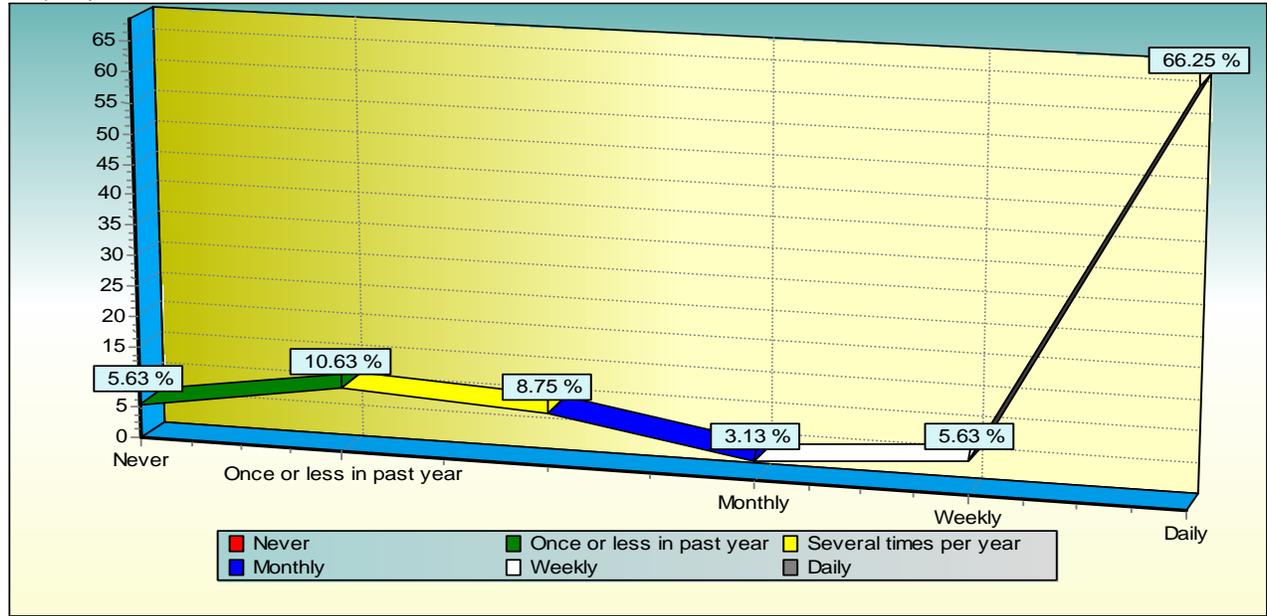
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

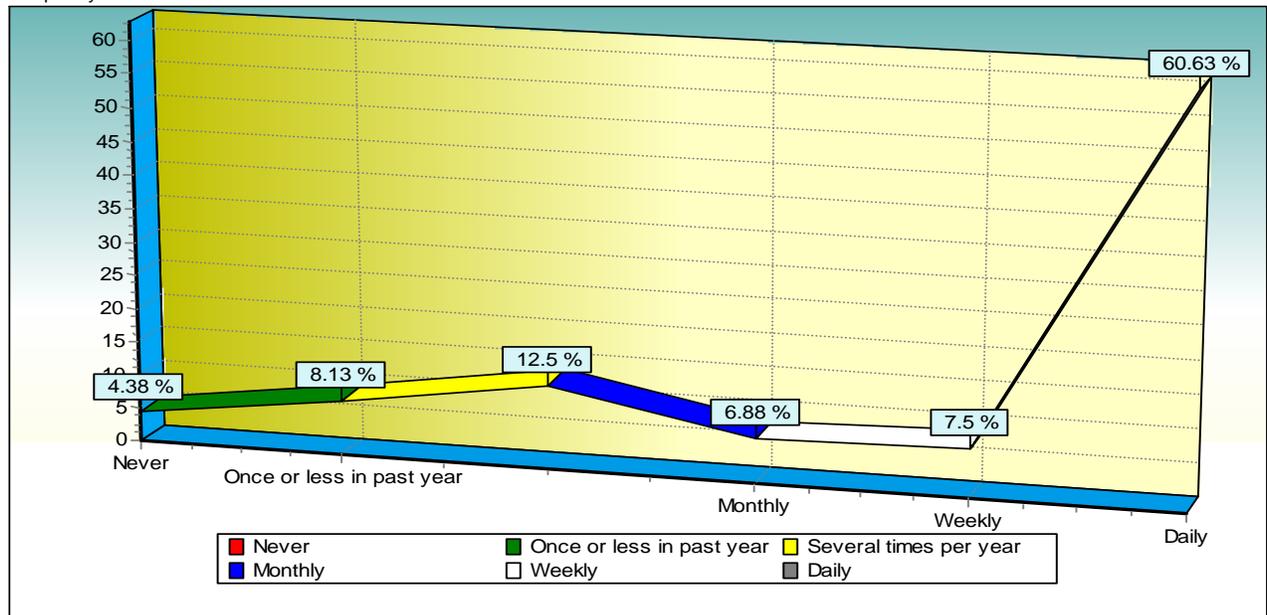
Accurately determine full-range colors (clothing, substances, skin tones, etc) in varying light conditions

Frequency



Resolve and understand faint auditory signals (whispers, transients, air movement, etc.)

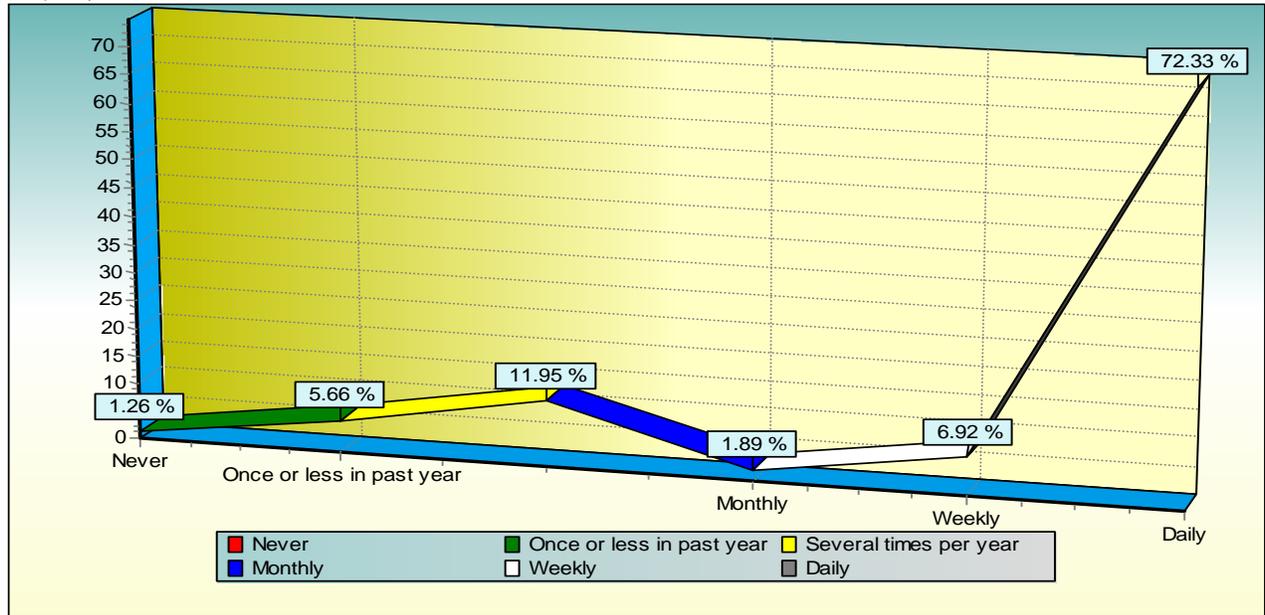
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

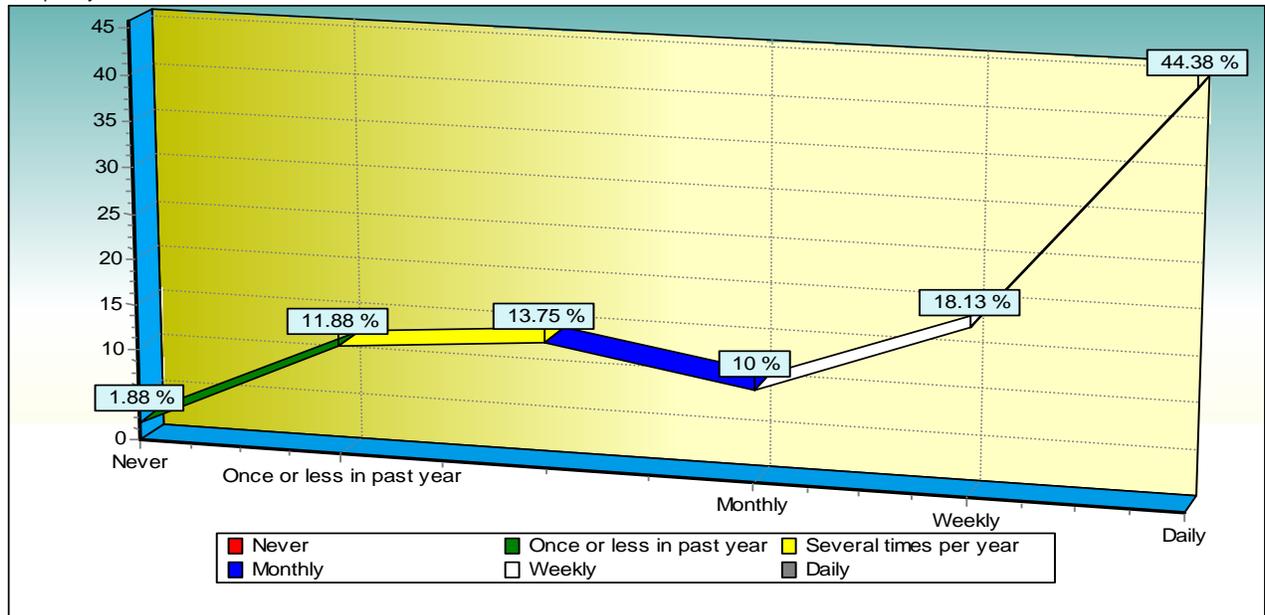
Resolve and understand speech in the presence of a wide range of environmental surrounds, including high levels of ambient background noise

Frequency



Detect and resolve faint and/or odd odors

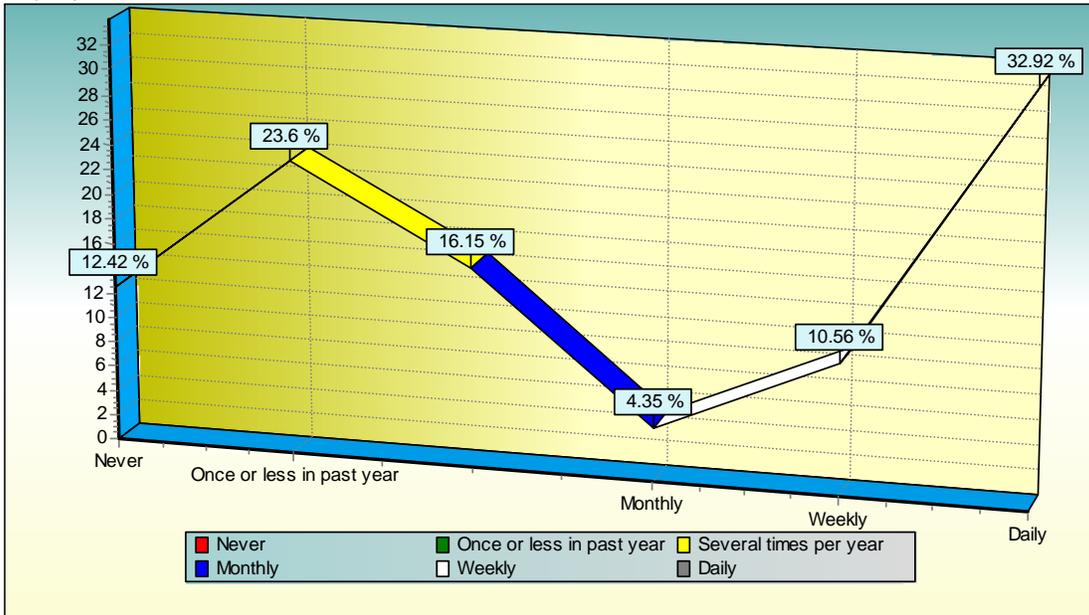
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

Three-dimensional vision, sufficient for accurate depth perception, image placement and location sufficient for complex visual tasks (driving a vehicle in emergency conditions, pursuit of inmate over complex surfaces in unpredictable conditions, stairs, steps, obstacles, weapons use, etc.)

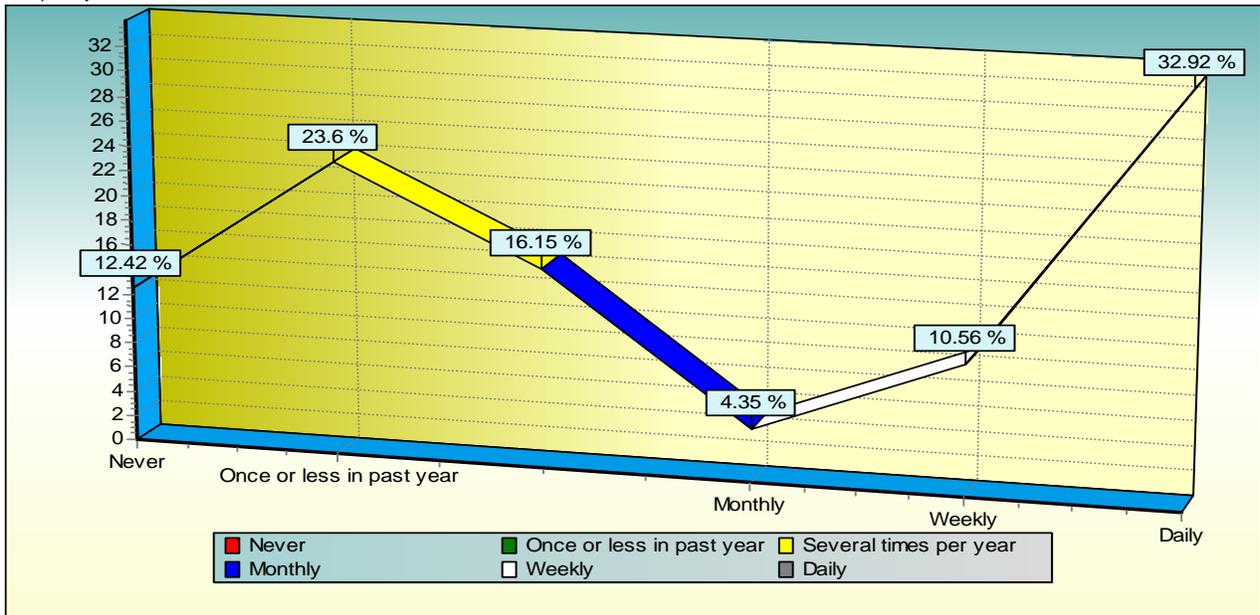
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

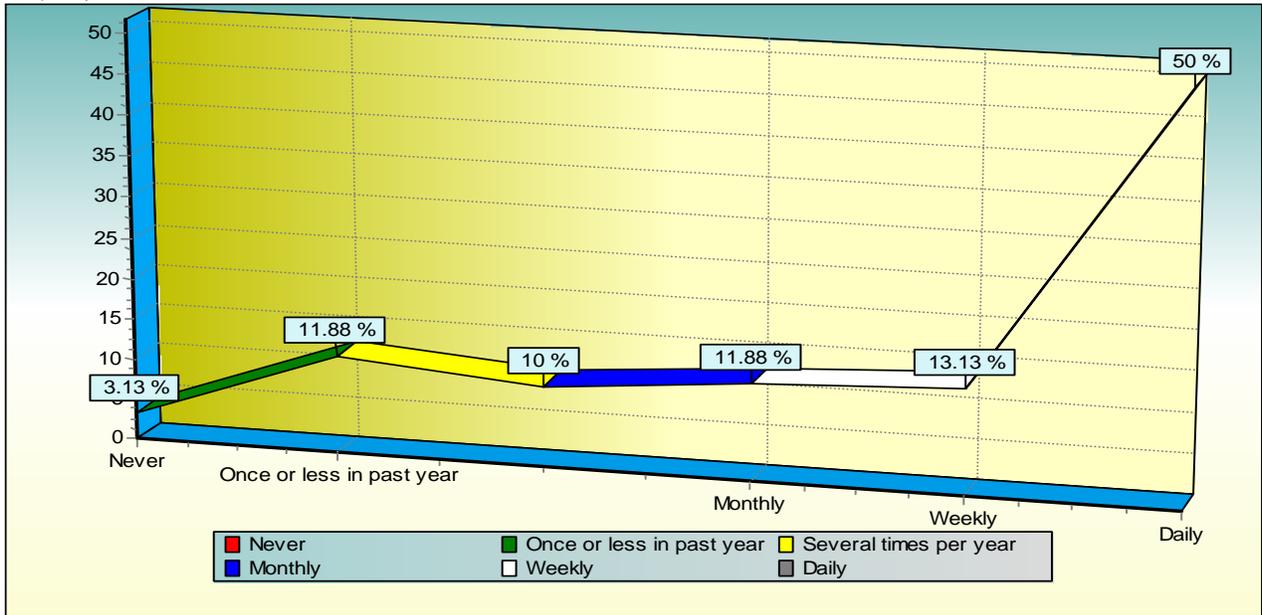
Three-dimensional vision, sufficient for accurate depth perception, image placement and location sufficient for complex visual tasks (driving a vehicle in emergency conditions, pursuit of inmate over complex surfaces in unpredictable conditions, stairs, steps, obstacles, weapons use, etc.)

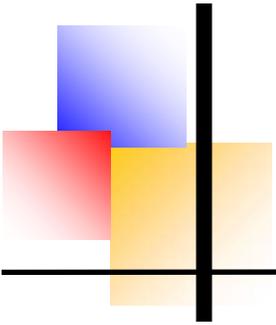
Frequency



2006 Corrections Physical Task JTA - Frequency of Performance

Accurately visually detect and resolve transitory and subtle changes in "body language" (pupil constriction/dilation, skin color, respiration changes, etc.)
 Frequency

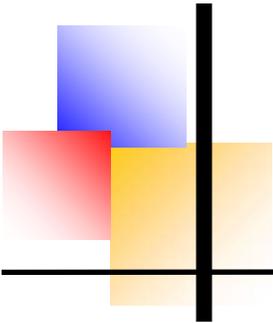




DATA DISPLAY

CONSEQUENCES OF INADEQUATE PERFORMANCE (CIP)

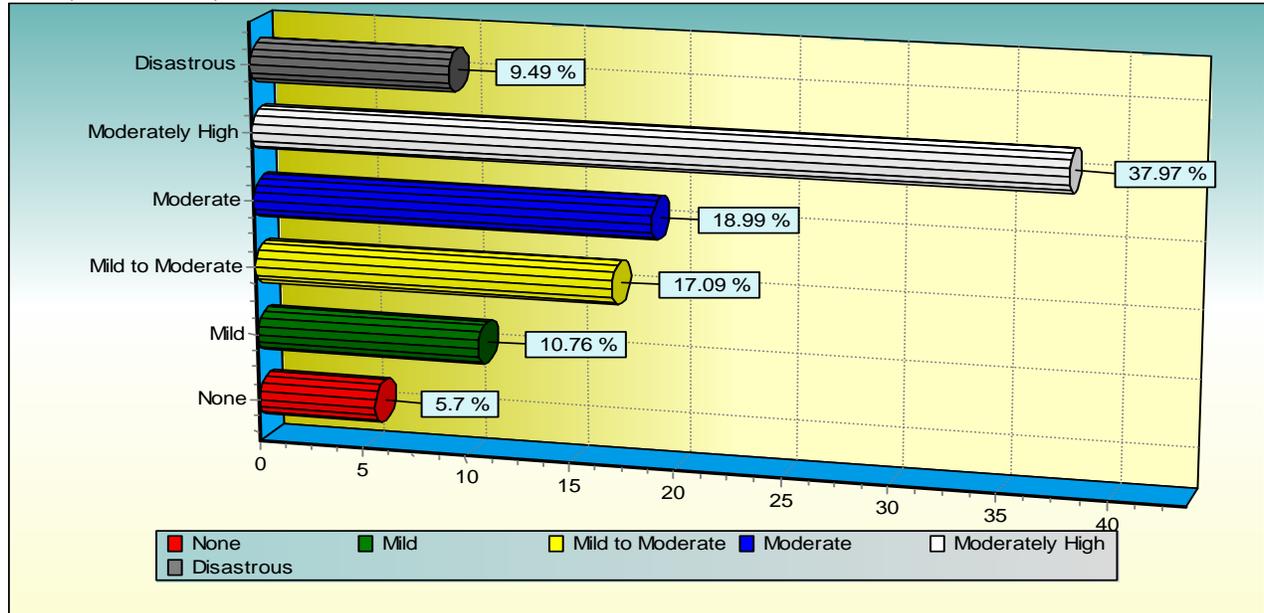




2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

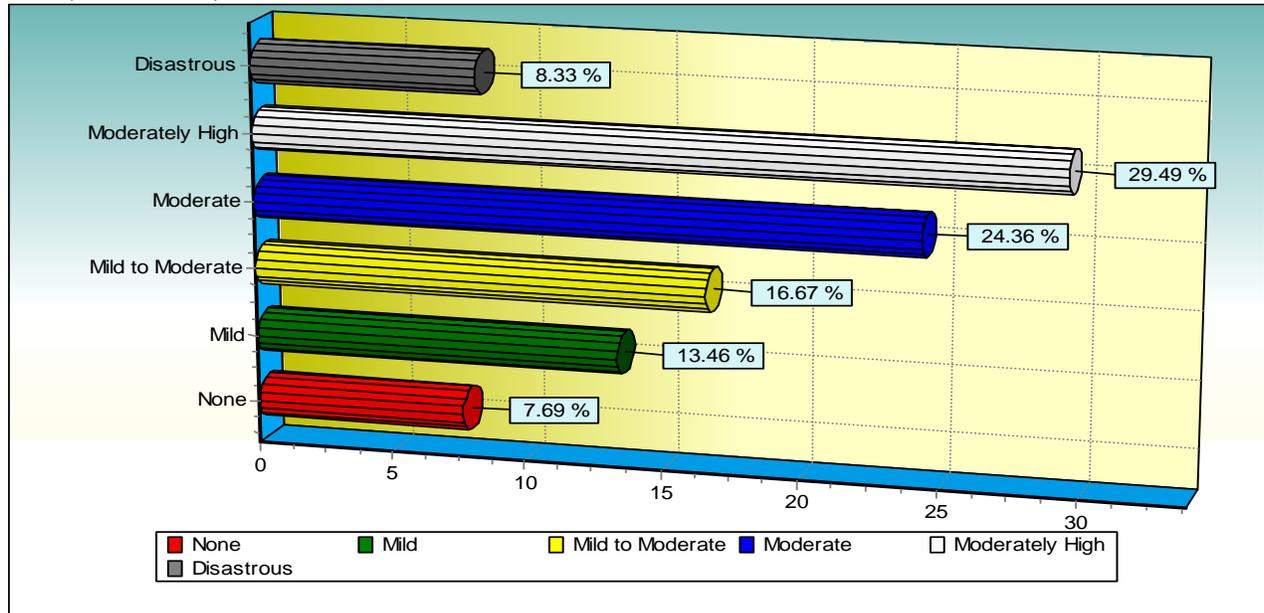
Run on flat surface

Consequences of Inadequate Performance



Walk continuously

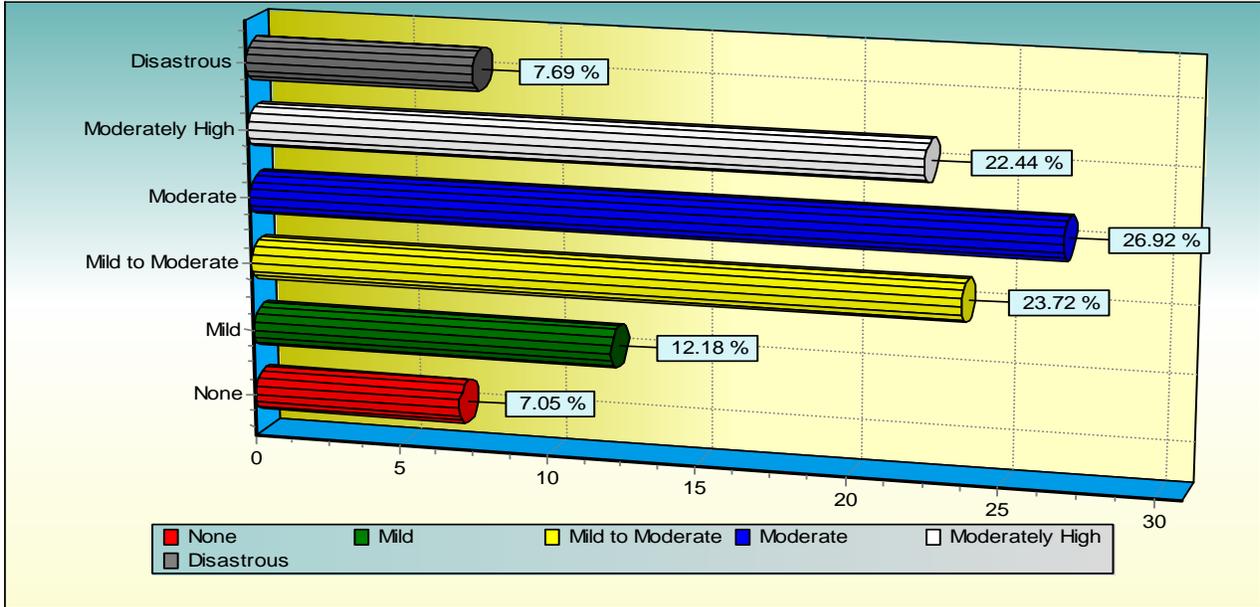
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

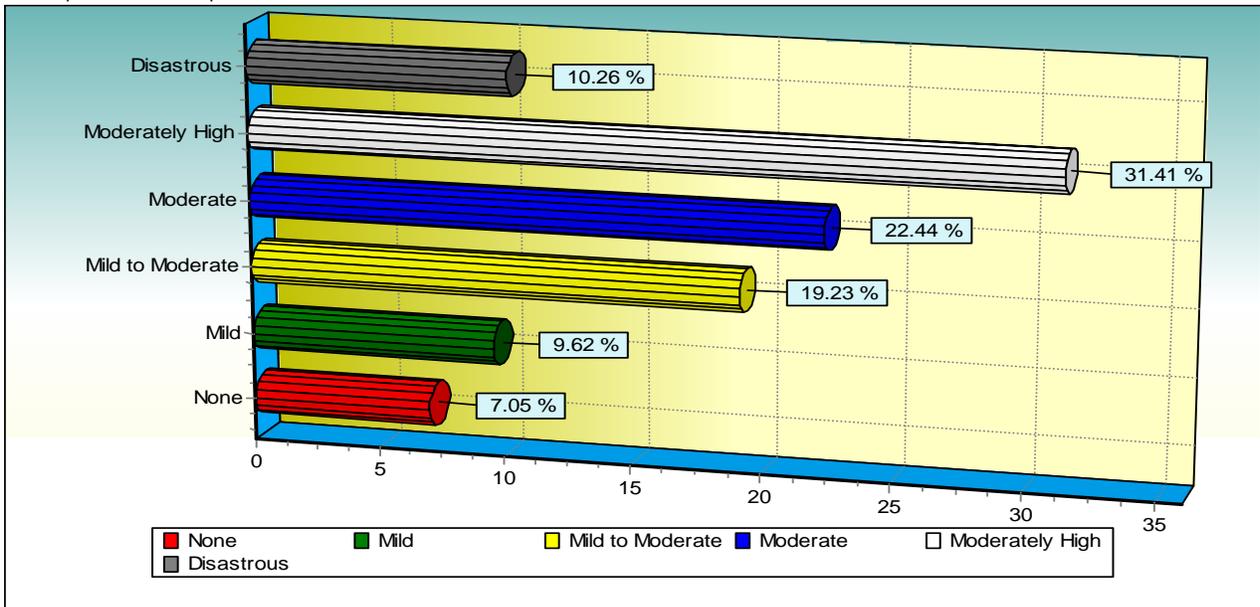
Stand continuously

Consequences of Inadequate Performance



Walk up/down stairs

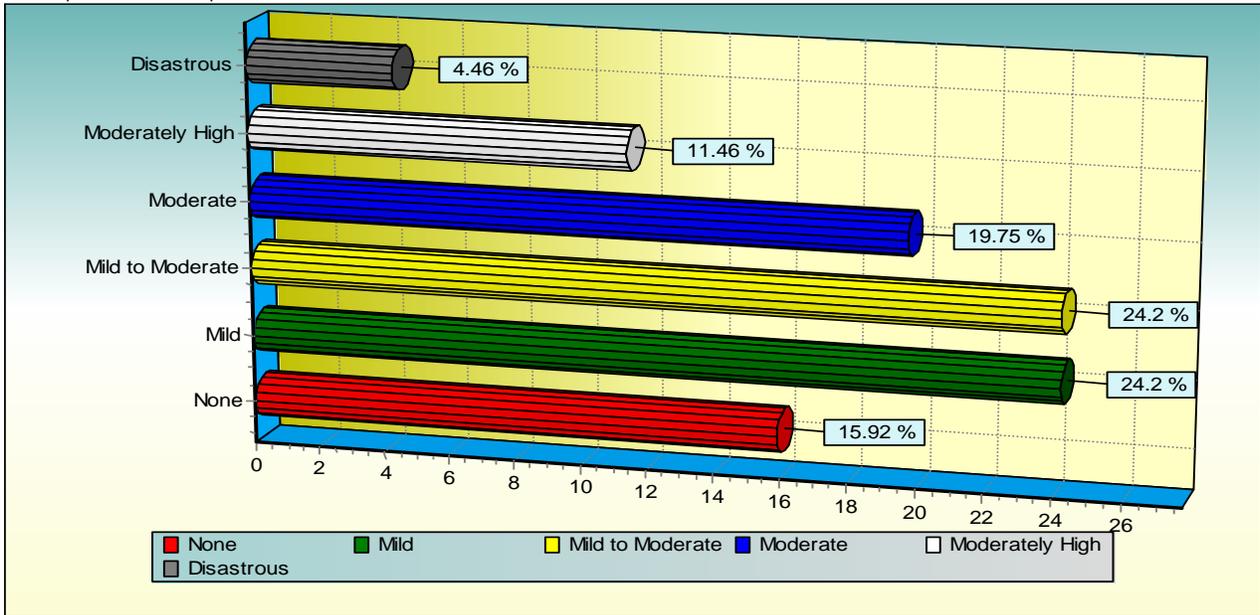
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

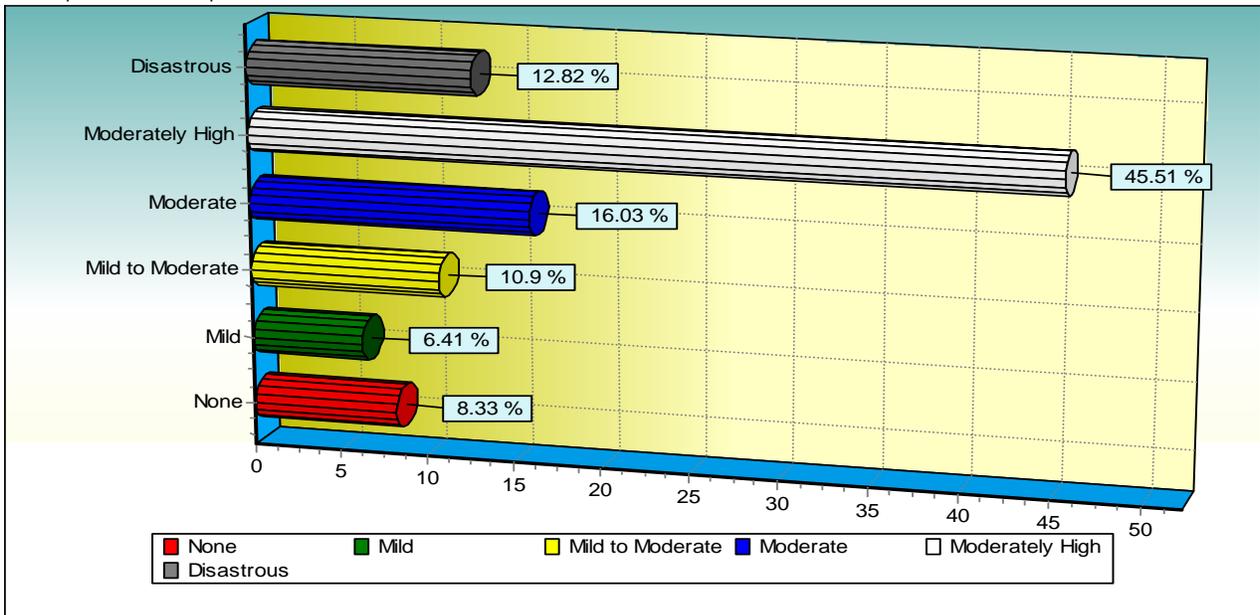
Sit continuously (car, desk, etc.)

Consequences of Inadequate Performance

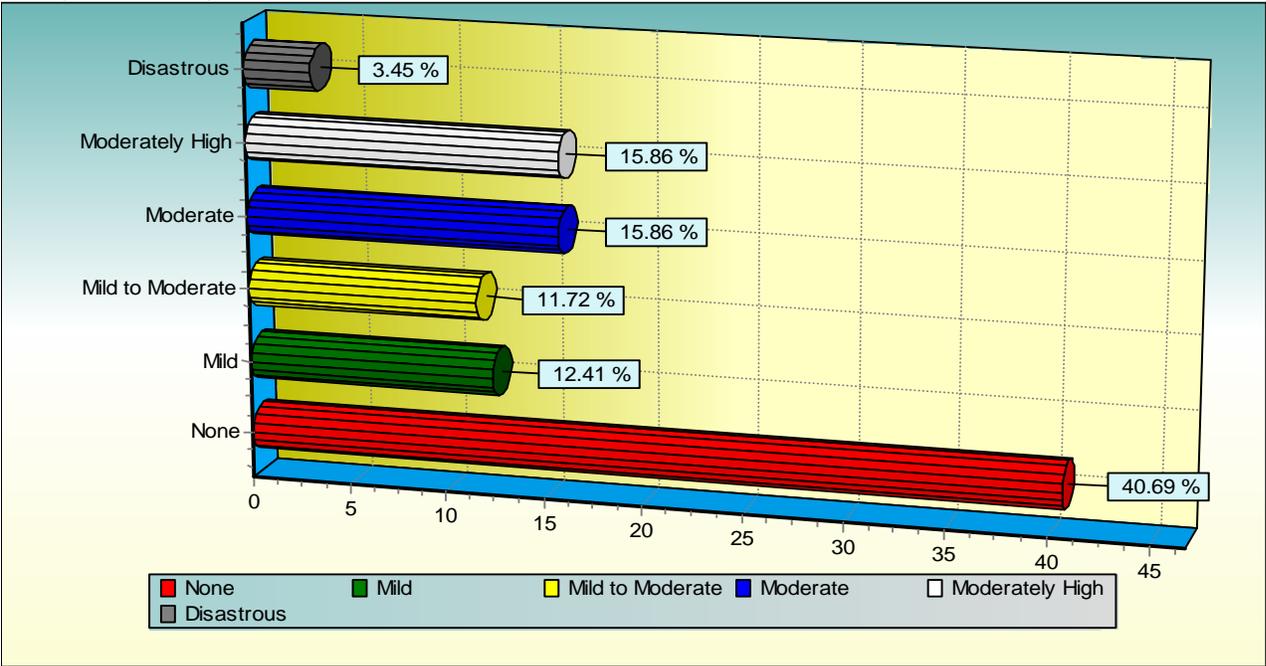


Run up/down stairs

Consequences of Inadequate Performance

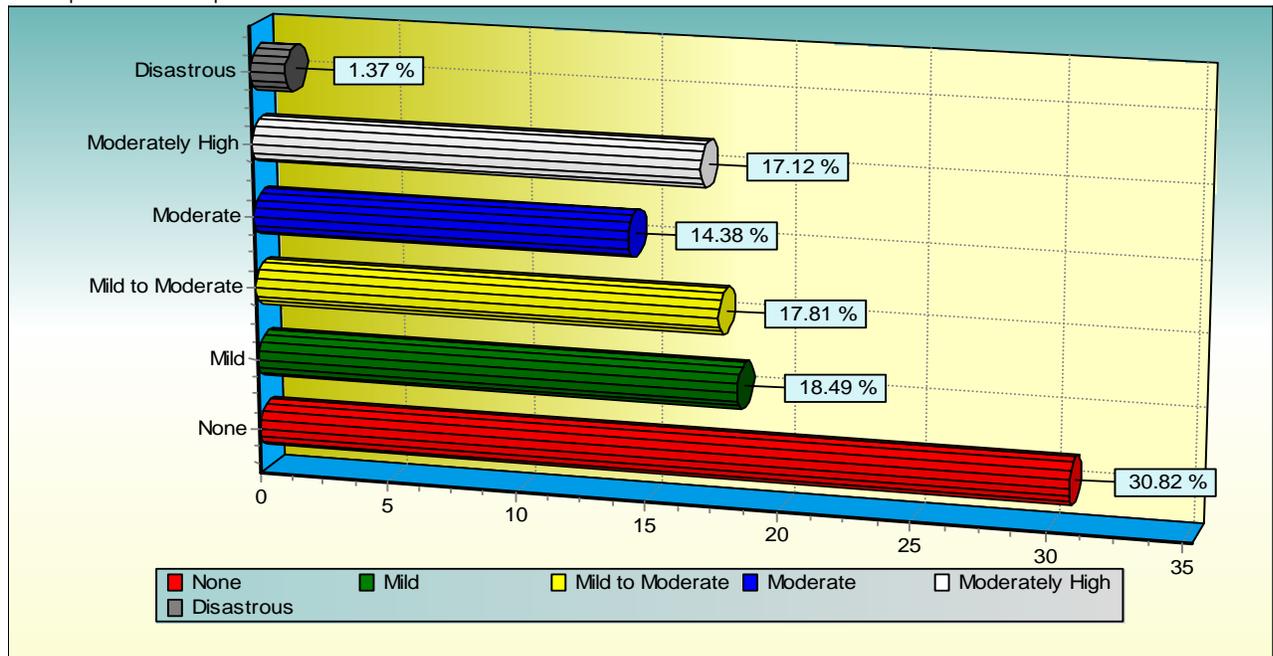


Climb or pull oneself over a vertical obstacle
Consequences of Inadequate Performance



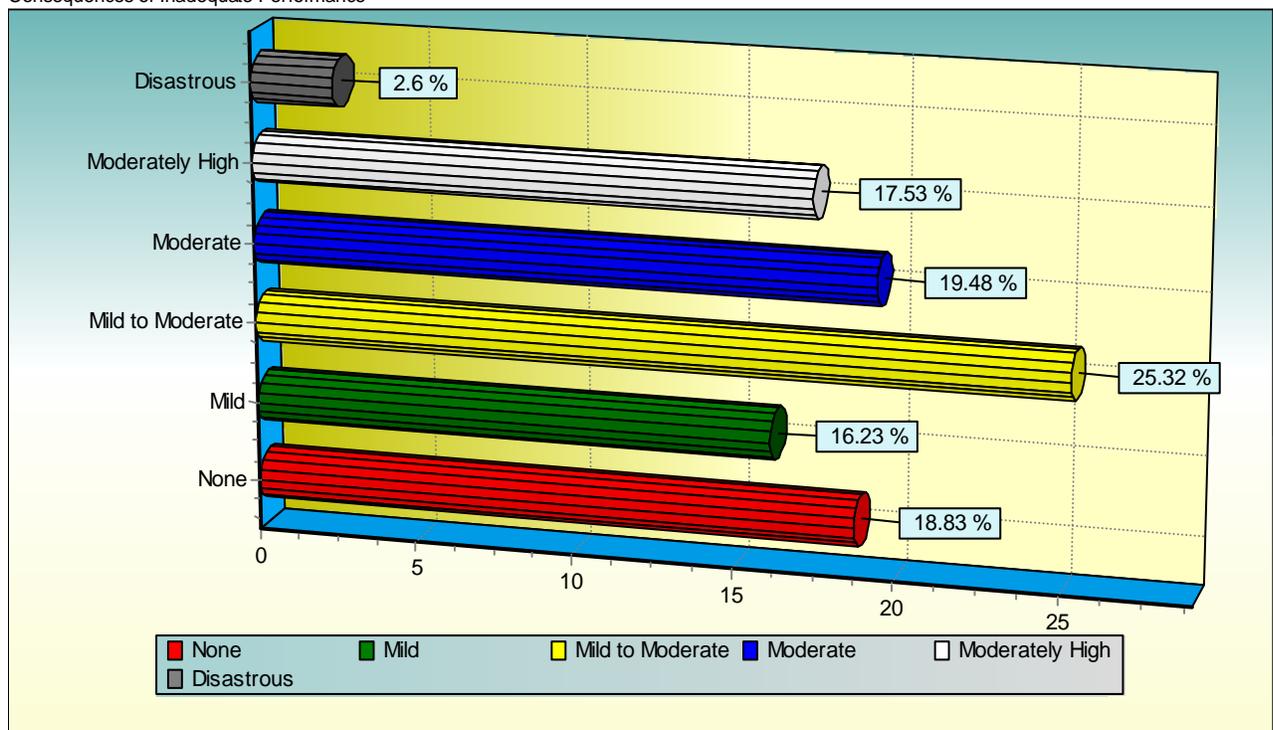
Crawl under an obstacle

Consequences of Inadequate Performance



Climb steps, railings, or over other external features/obstacles

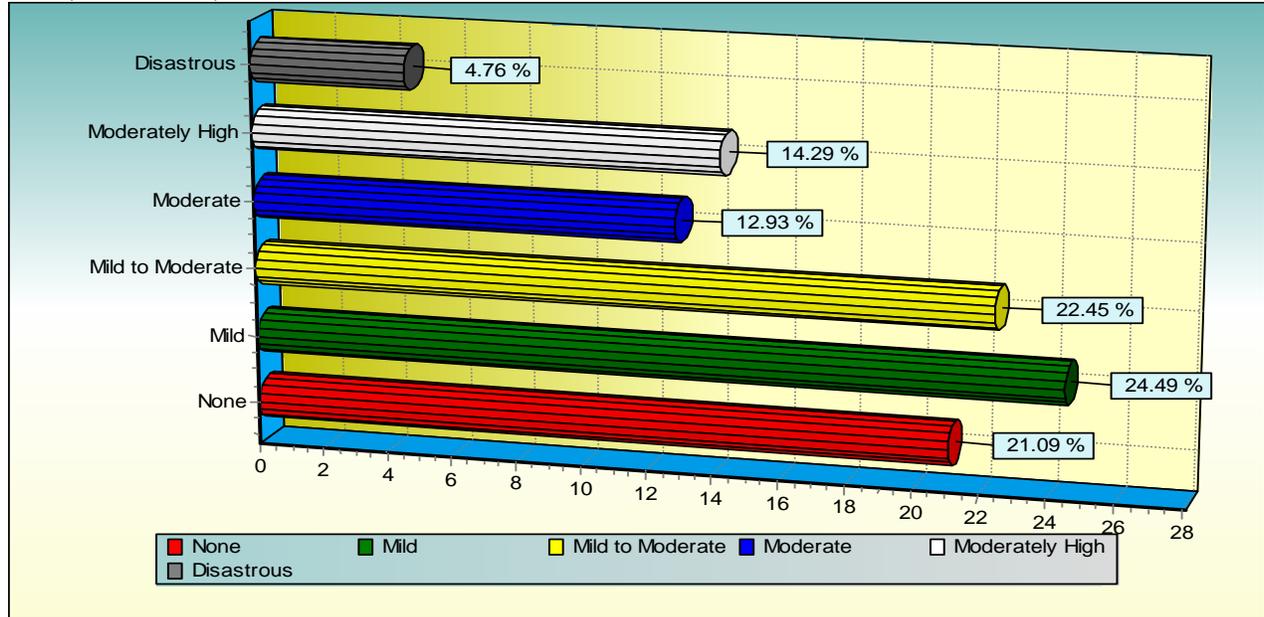
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

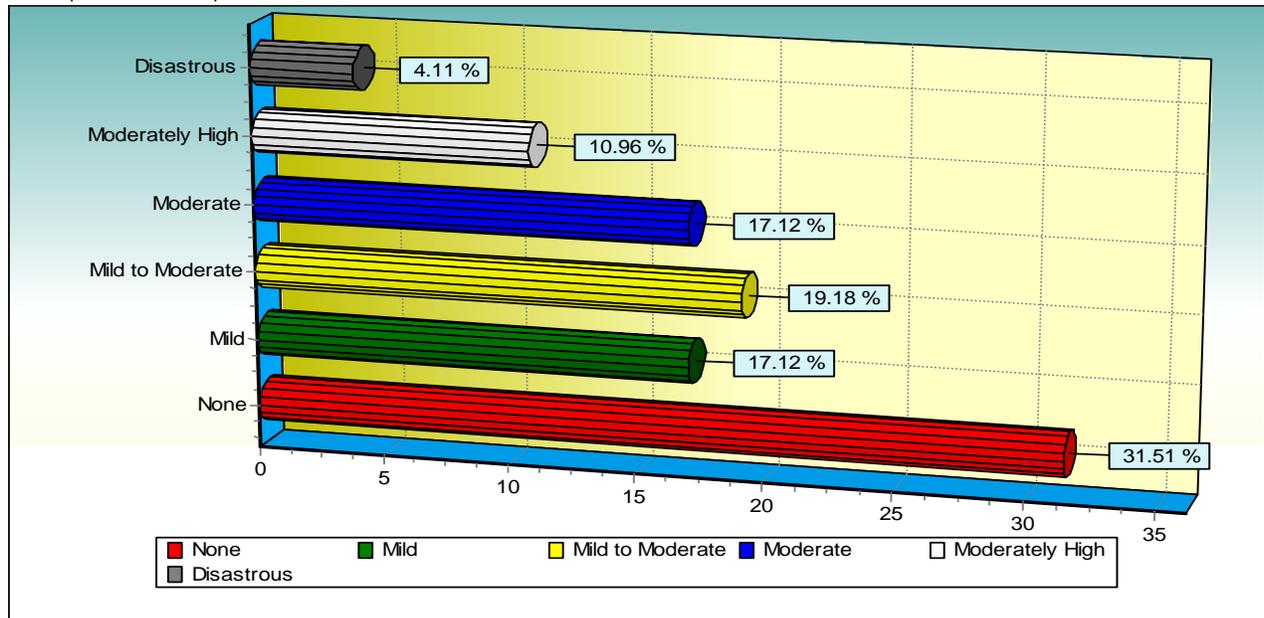
Climb up/down ladder

Consequences of Inadequate Performance



Climb up/down from elevated surface

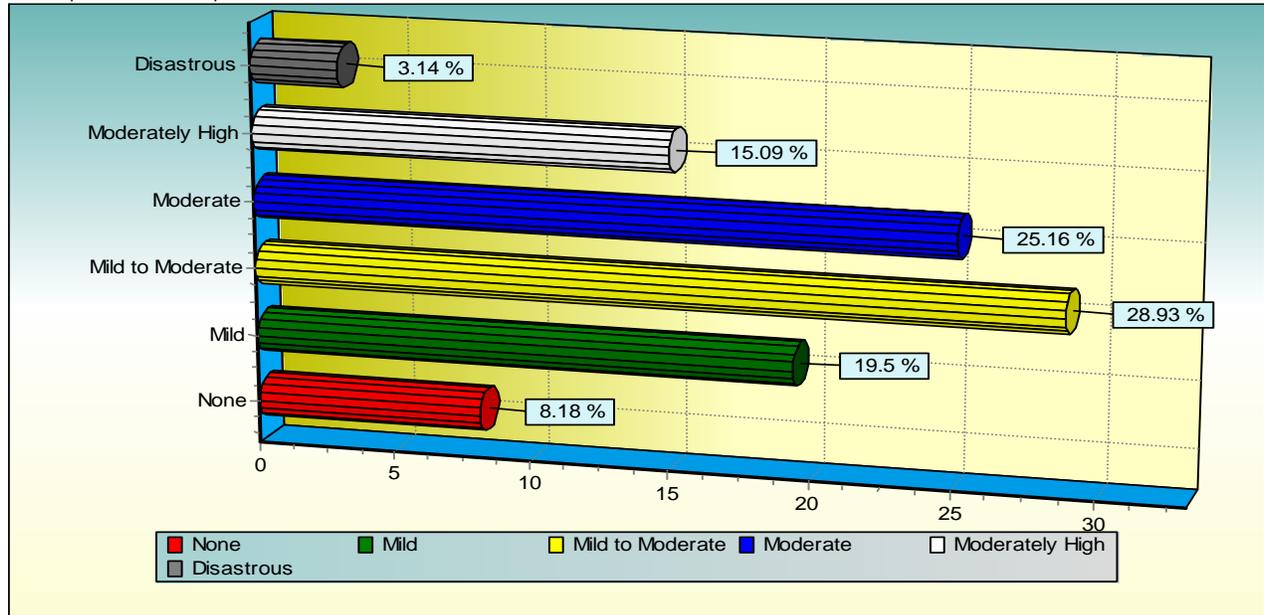
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

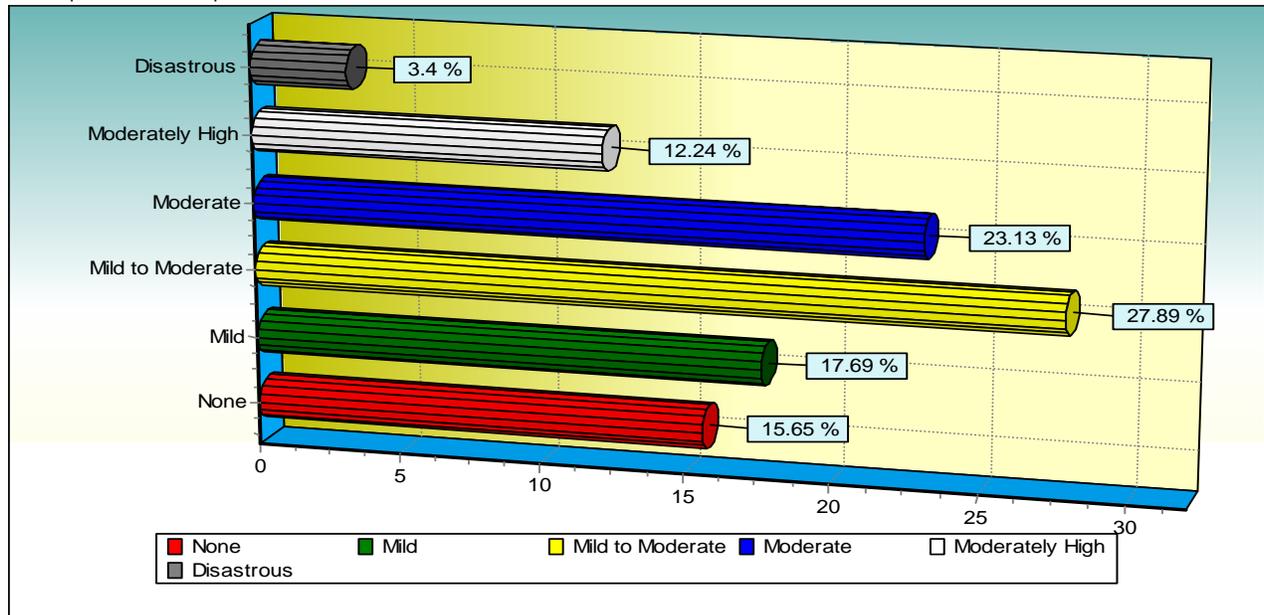
Lift objects up off the ground

Consequences of Inadequate Performance

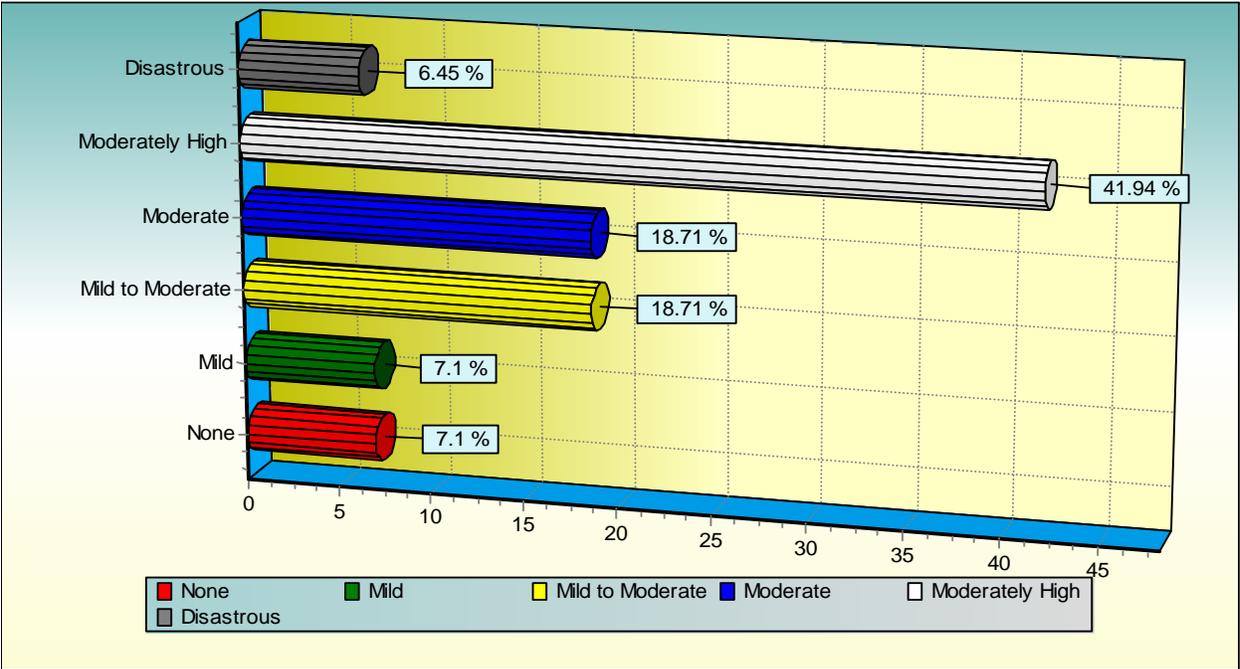


Push/pull objects

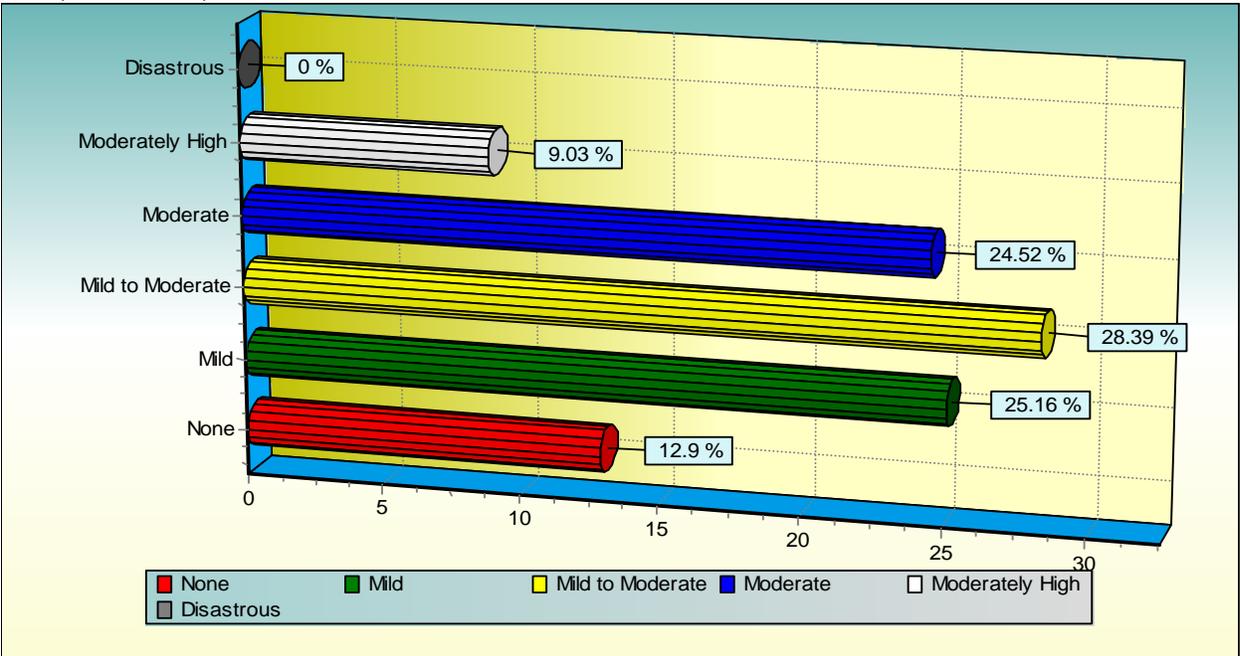
Consequences of Inadequate Performance



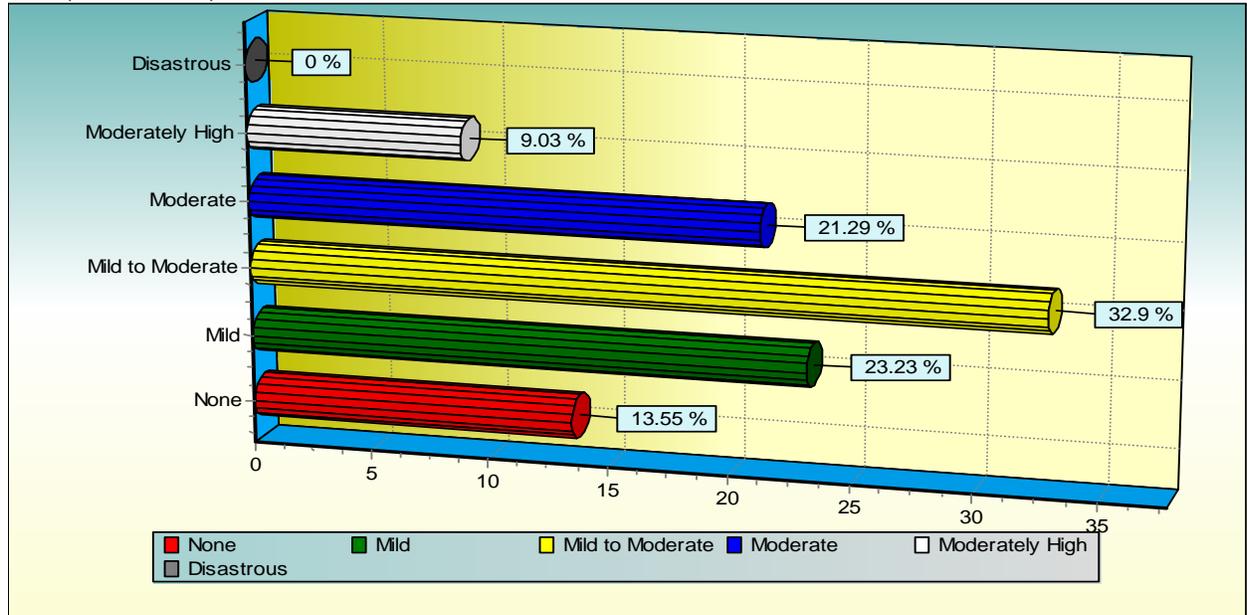
Assisted carry of an unresisting inmate
Consequences of Inadequate Performance



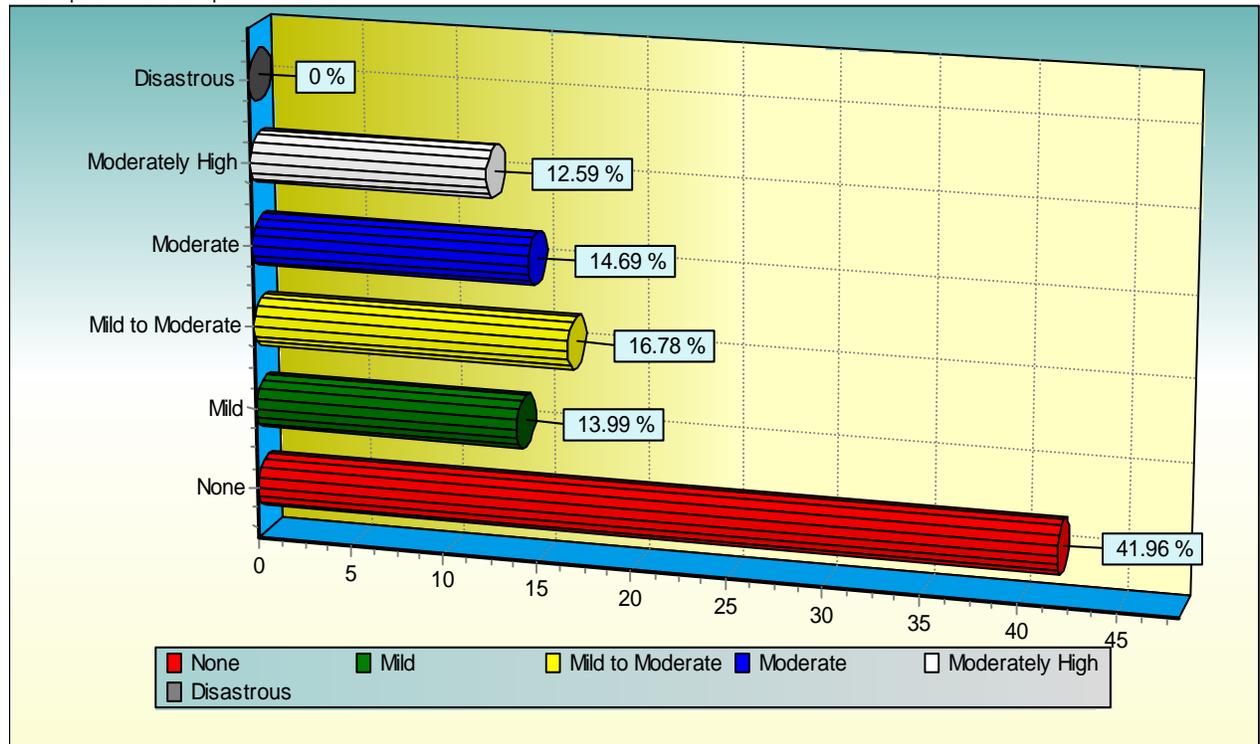
Carry and place objects
Consequences of Inadequate Performance



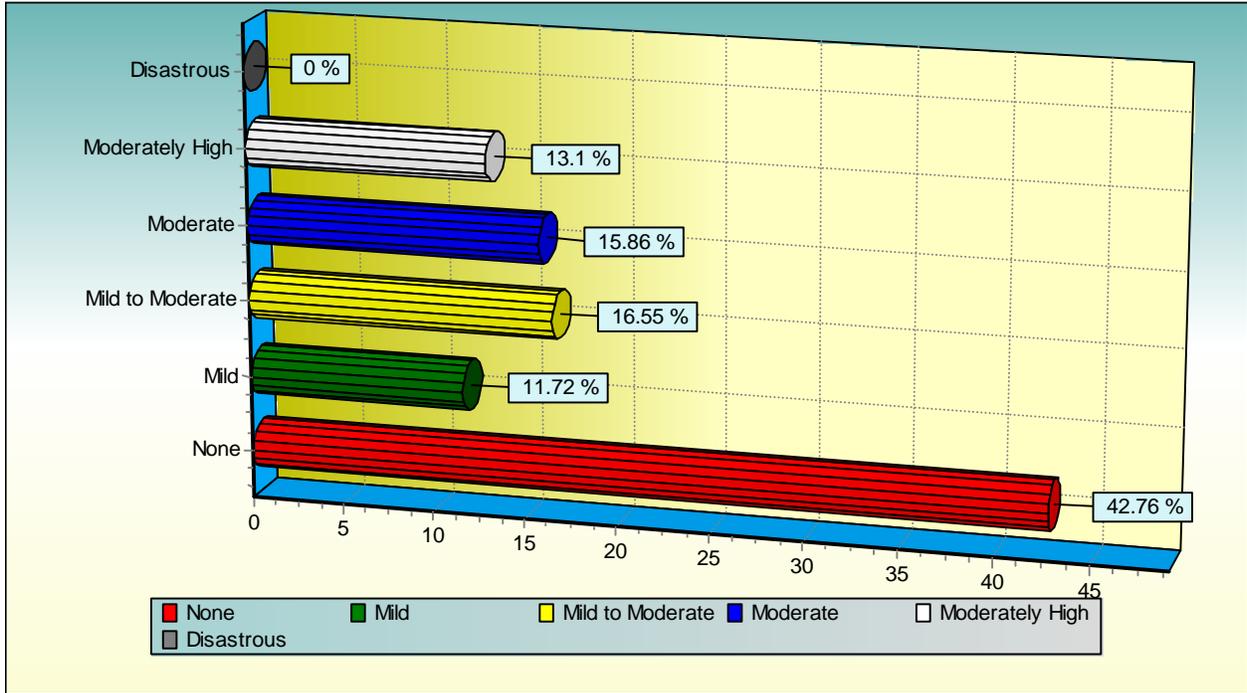
Lift objects down from elevated surface (waist high or above) and place on ground or floor
 Consequences of Inadequate Performance



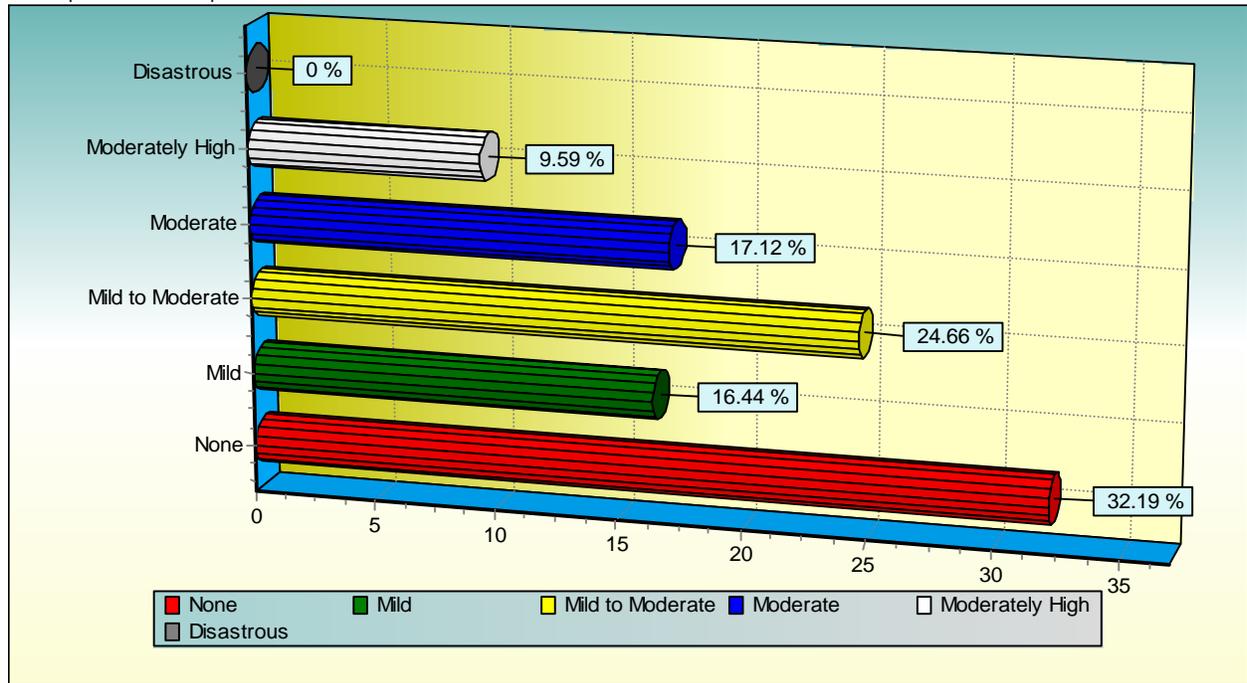
Jump/vault over ditch, hole, or other depression
 Consequences of Inadequate Performance



Jump/vault over raised barrier
Consequences of Inadequate Performance

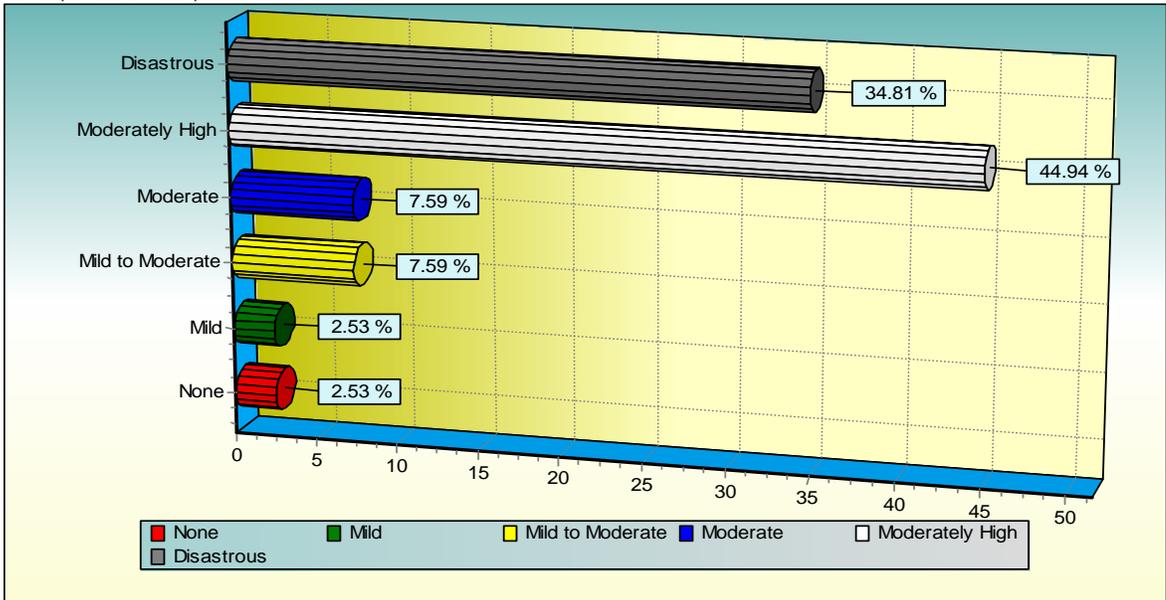


Jump up/down from elevated surface
Consequences of Inadequate Performance

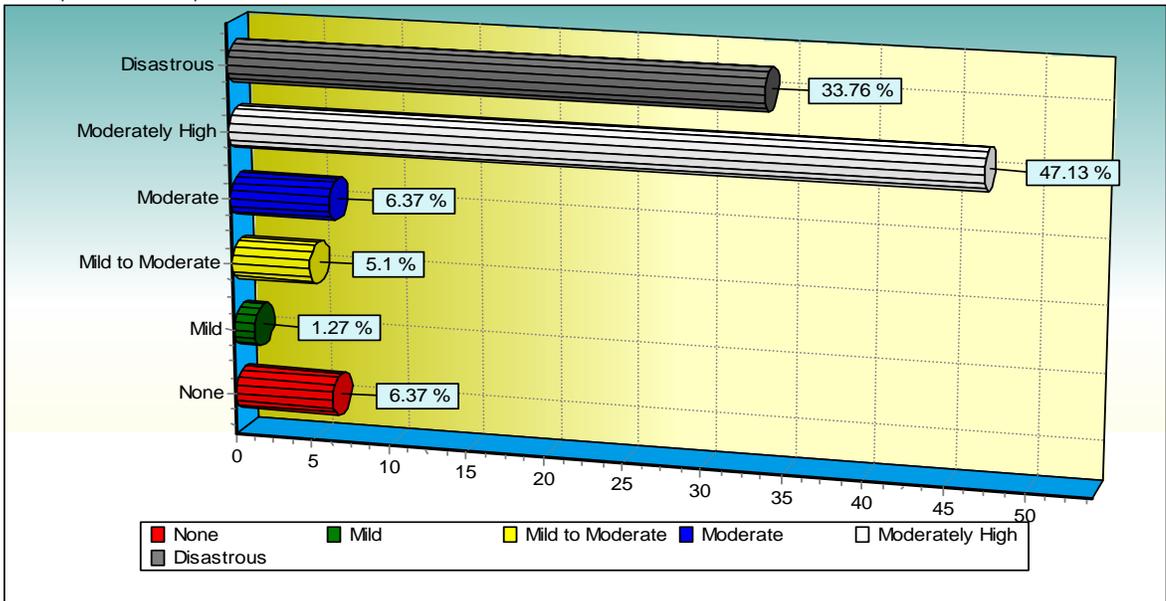


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Grip and hold an inmate to maintain physical control
Consequences of Inadequate Performance

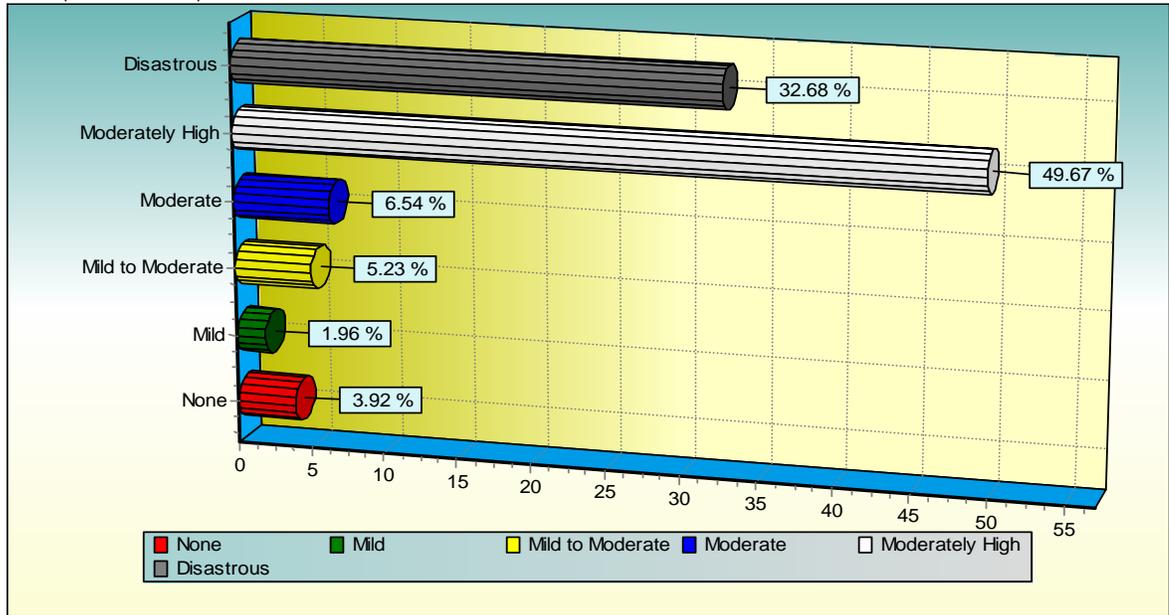


Extract/place a struggling inmate in/from a cell
Consequences of Inadequate Performance

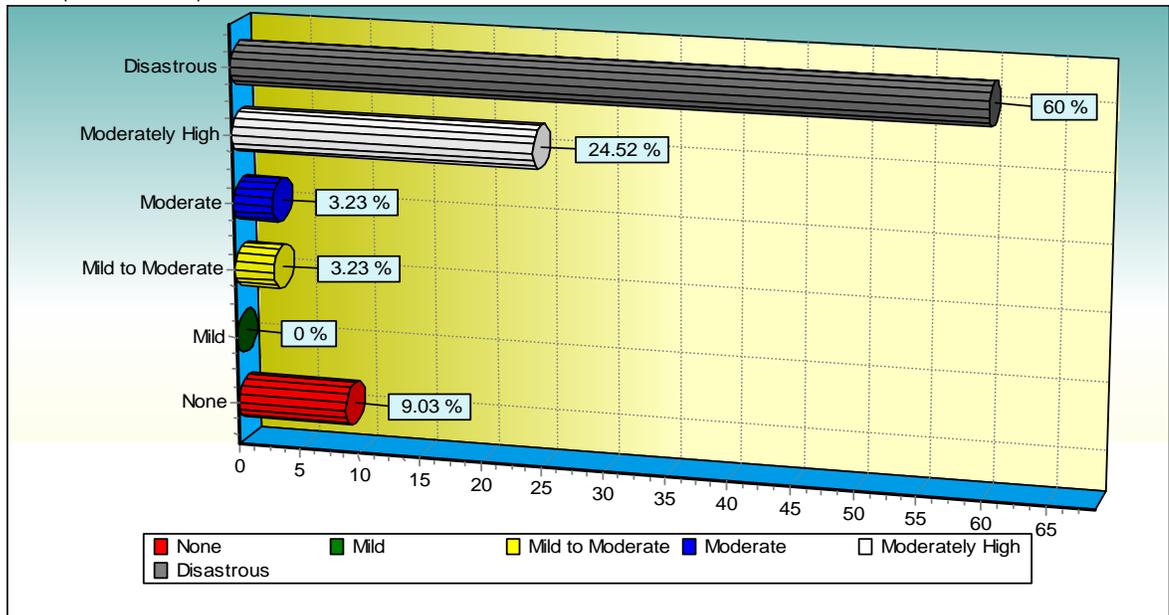


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Hold/restrain a struggling inmate
Consequences of Inadequate Performance

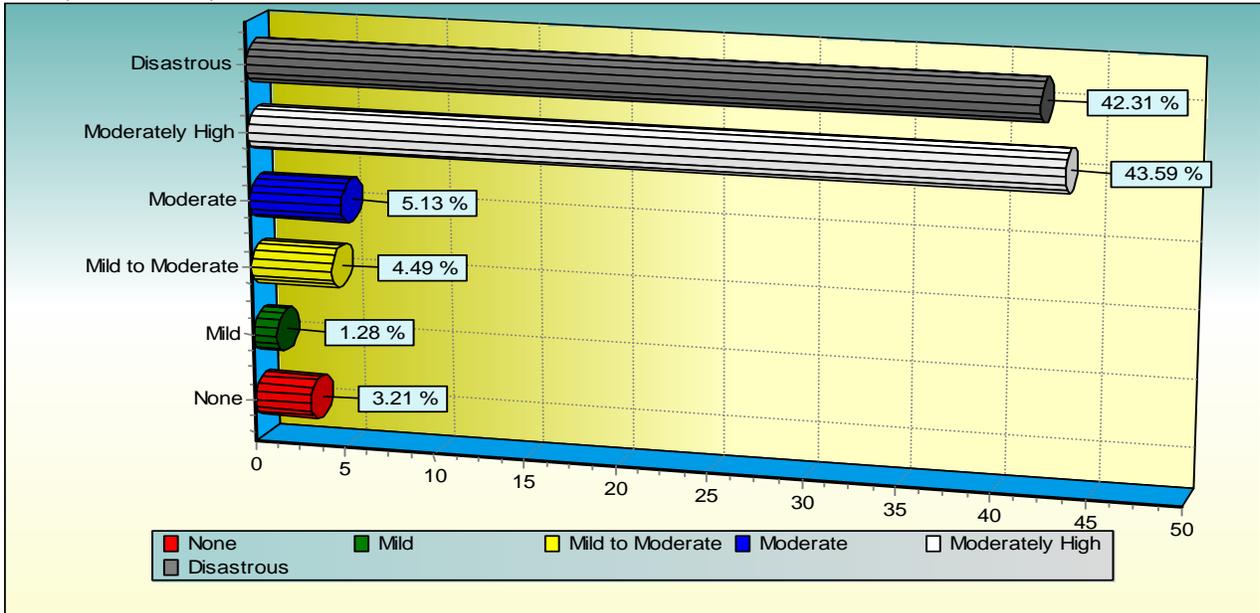


Physically defend against and control an attacking inmate
Consequences of Inadequate Performance

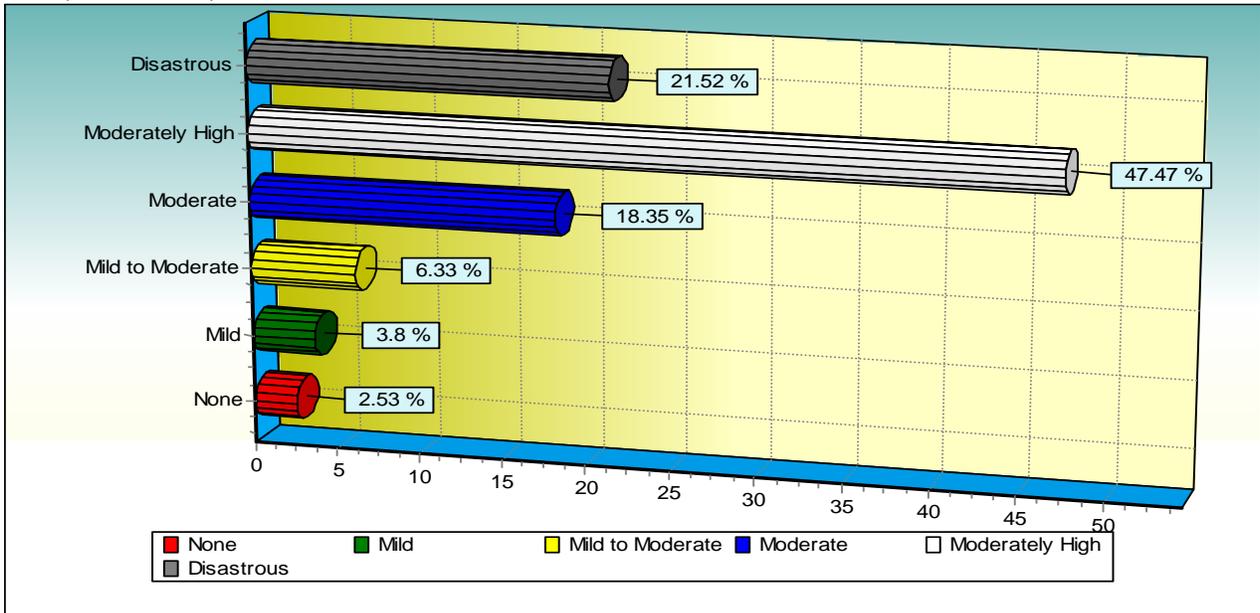


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

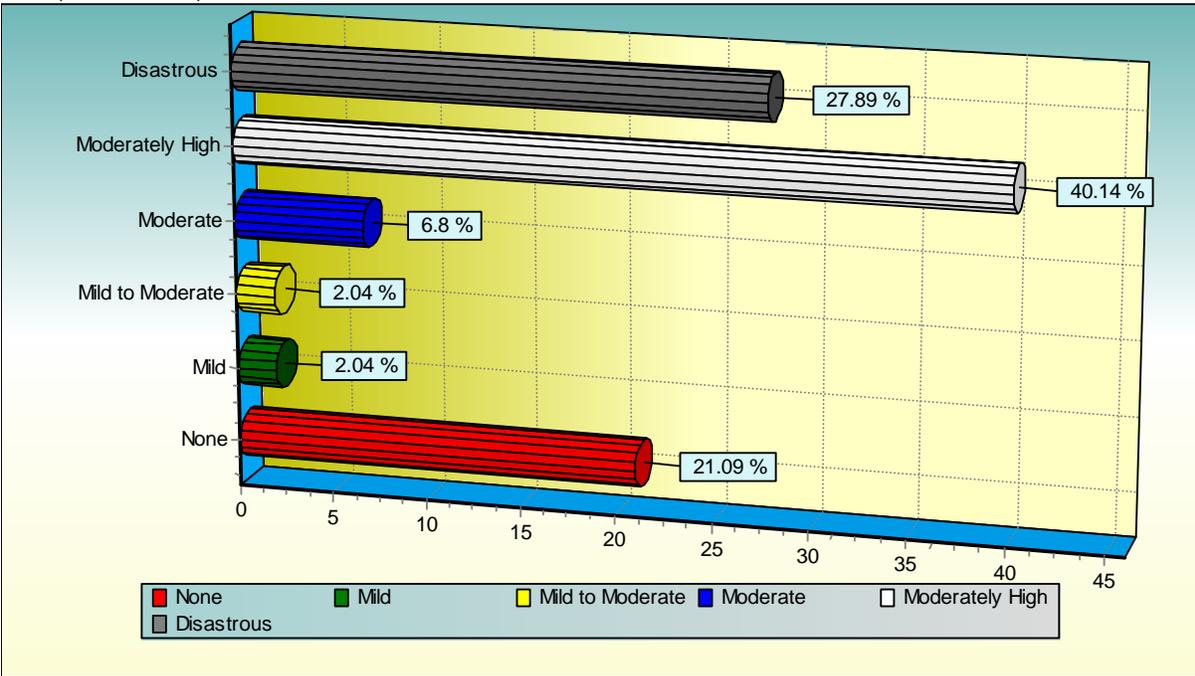
Take down and subdue a resisting inmate
Consequences of Inadequate Performance



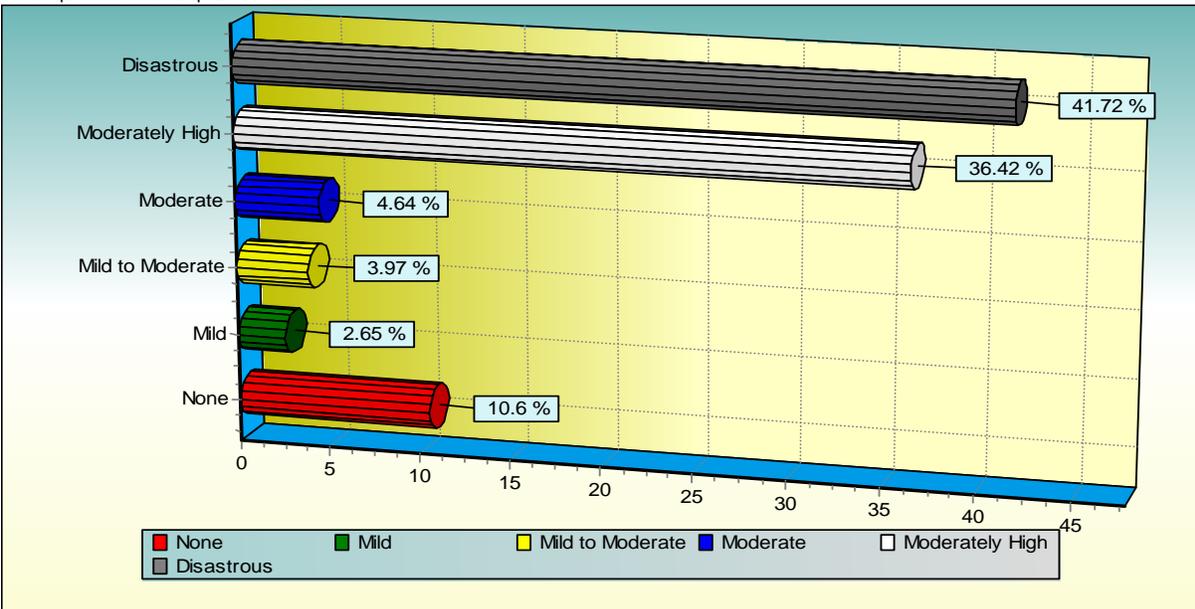
Handcuff - mechanically restrain an inmate
Consequences of Inadequate Performance



Tackle a fleeing inmate to stop flight
 Consequences of Inadequate Performance

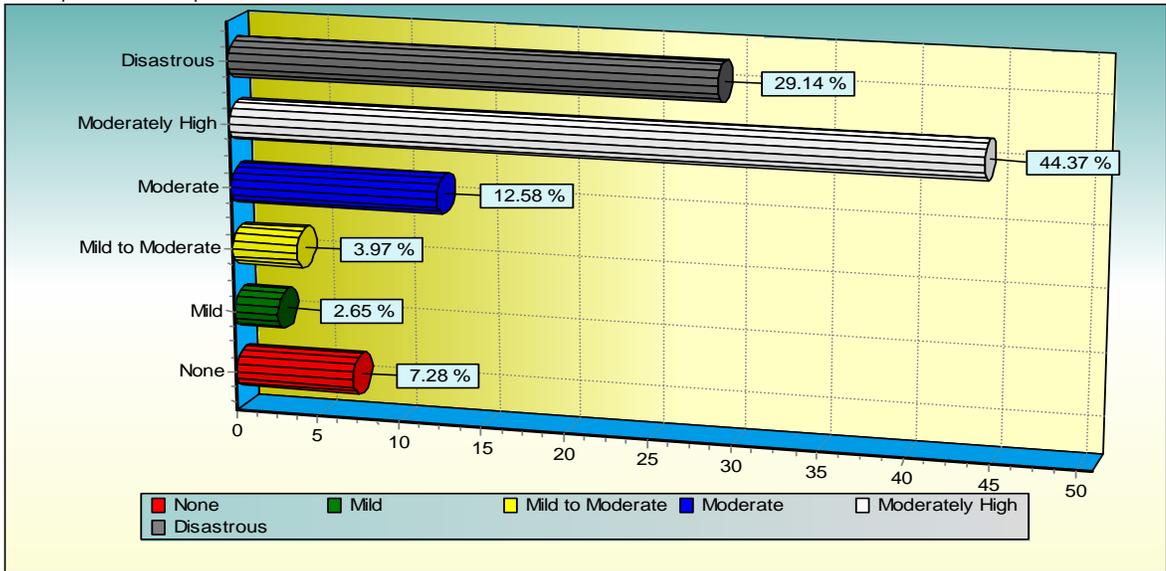


Use hand weapon(s) (other than firearm) to subdue inmate in physical confrontation
 Consequences of Inadequate Performance

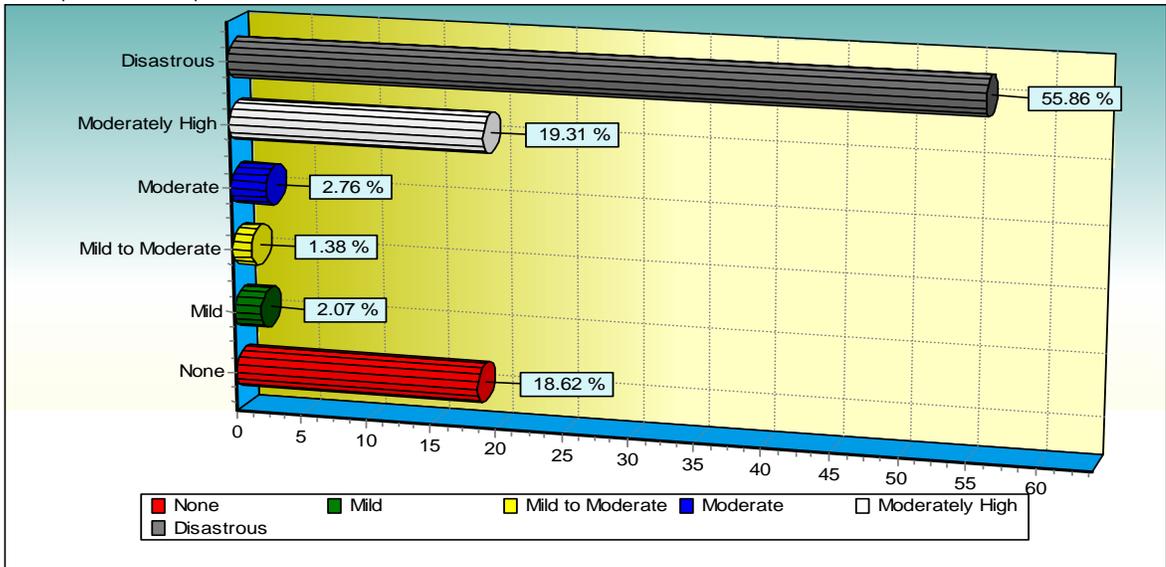


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Use chemical weapon to subdue an inmate in a physical confrontation
Consequences of Inadequate Performance

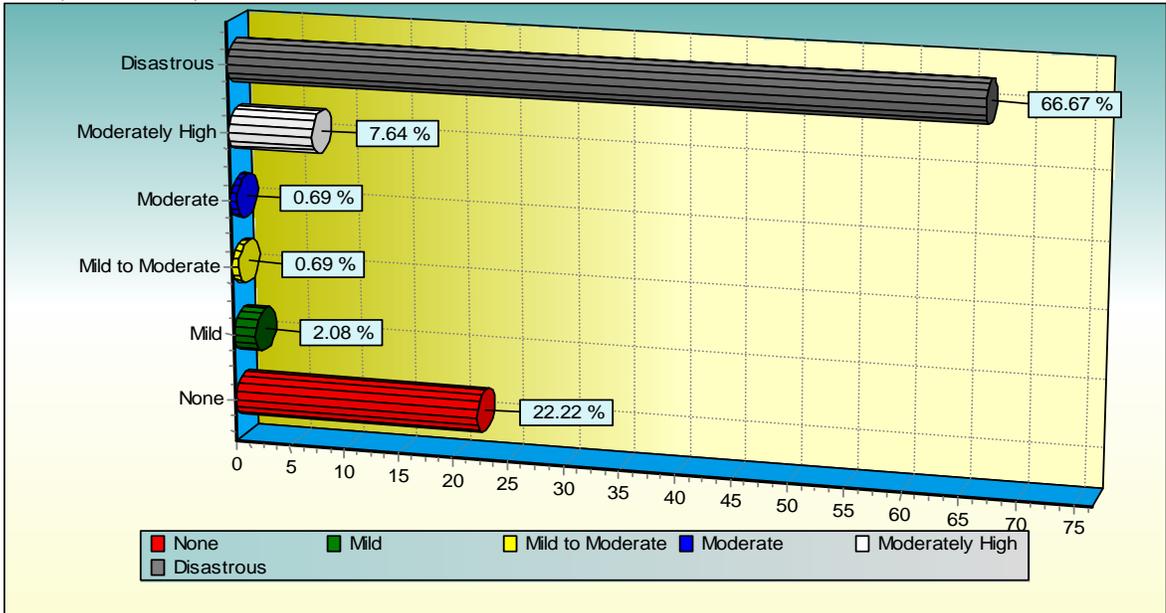


Use weapon (firearm, other) after pursuit, running, fighting-defending, or other strenuous physical activity
Consequences of Inadequate Performance

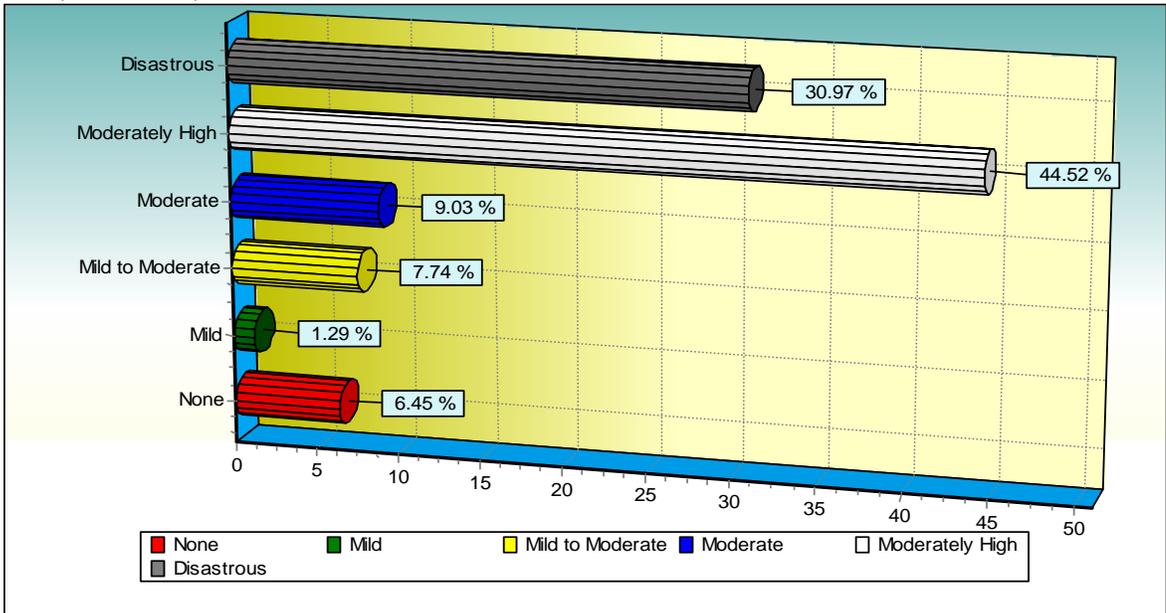


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Use firearms in physical confrontation with inmate
Consequences of Inadequate Performance



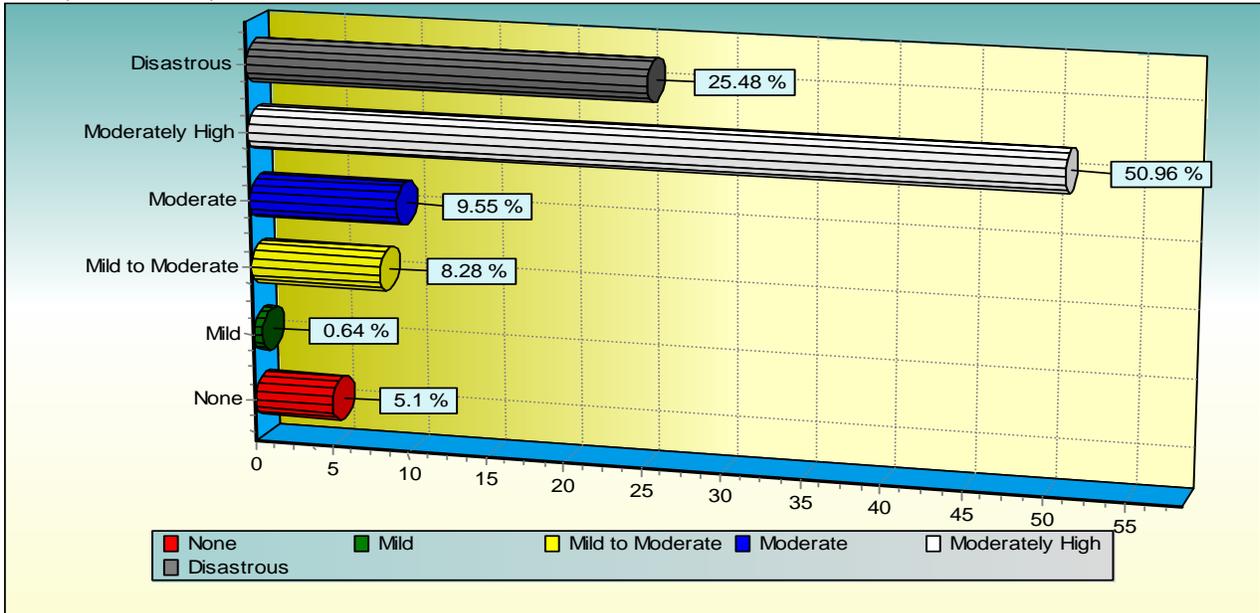
Continue to function effectively after exposure to chemical weapons
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

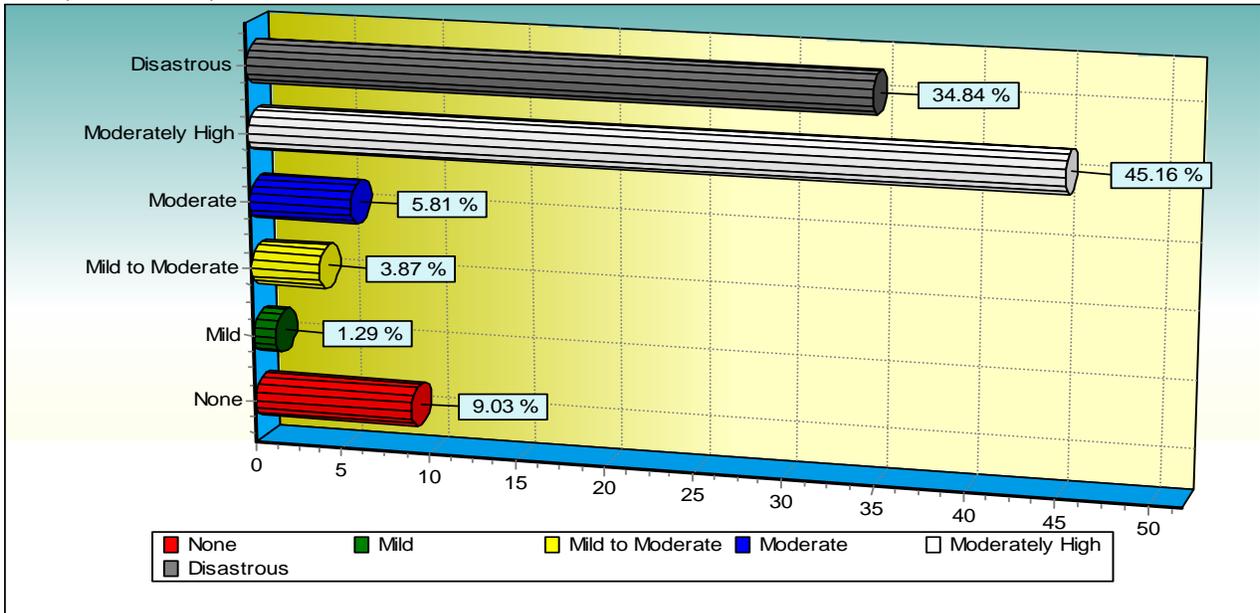
Physically intervene to break up inmate fights/physical confrontations

Consequences of Inadequate Performance



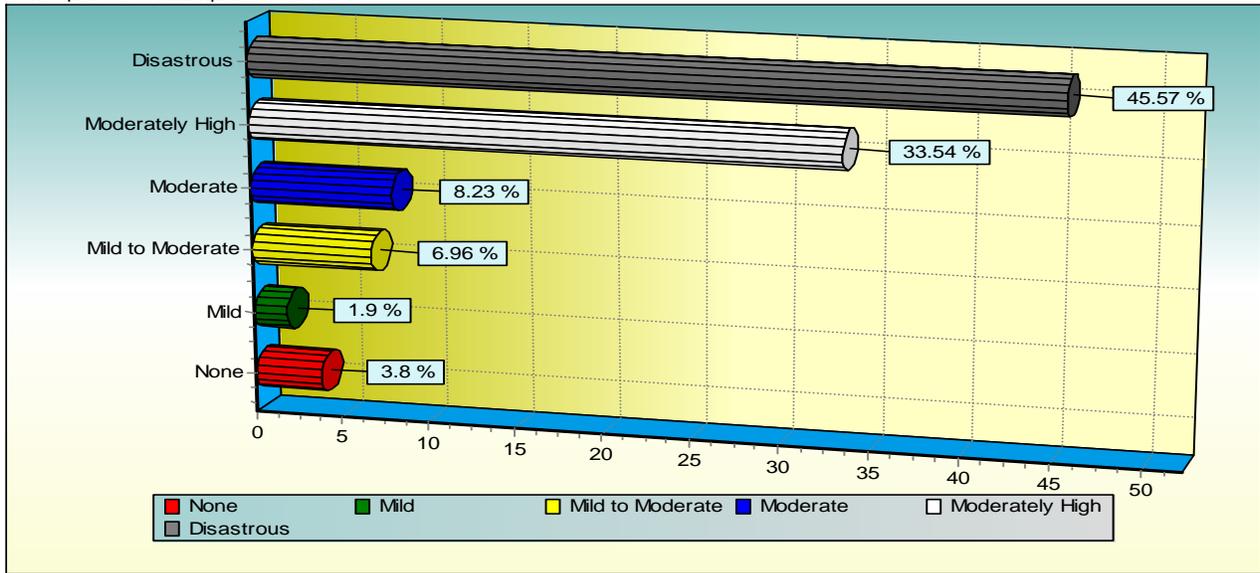
Dodge/evade blows, thrown objects

Consequences of Inadequate Performance

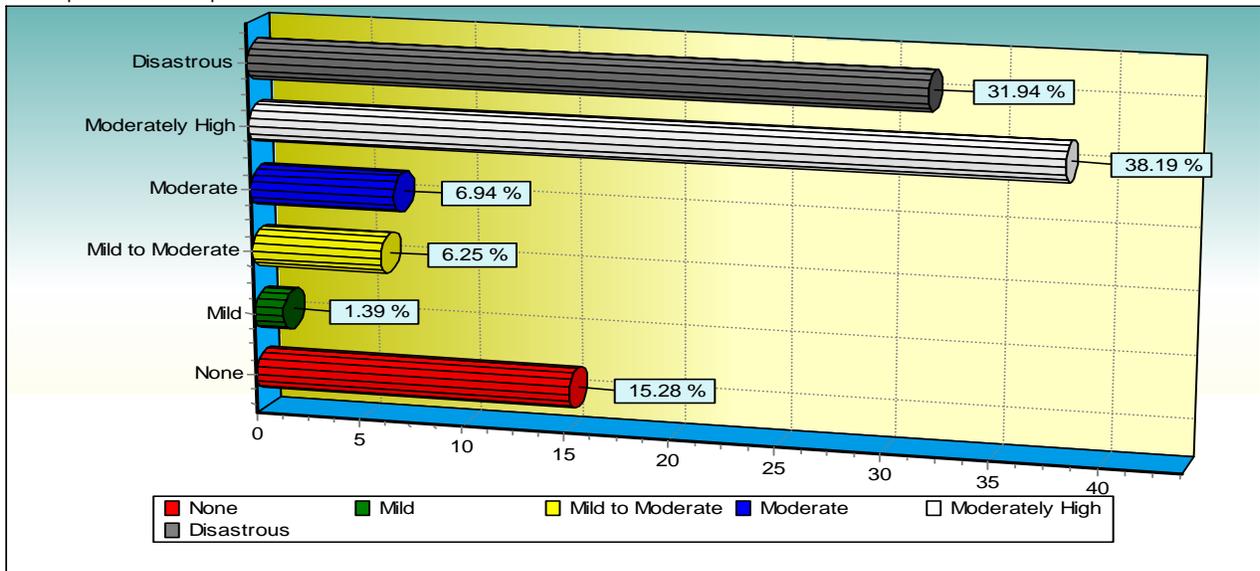


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Exposure to hazardous materials (drugs, chemicals, infectious diseases, etc.)
Consequences of Inadequate Performance

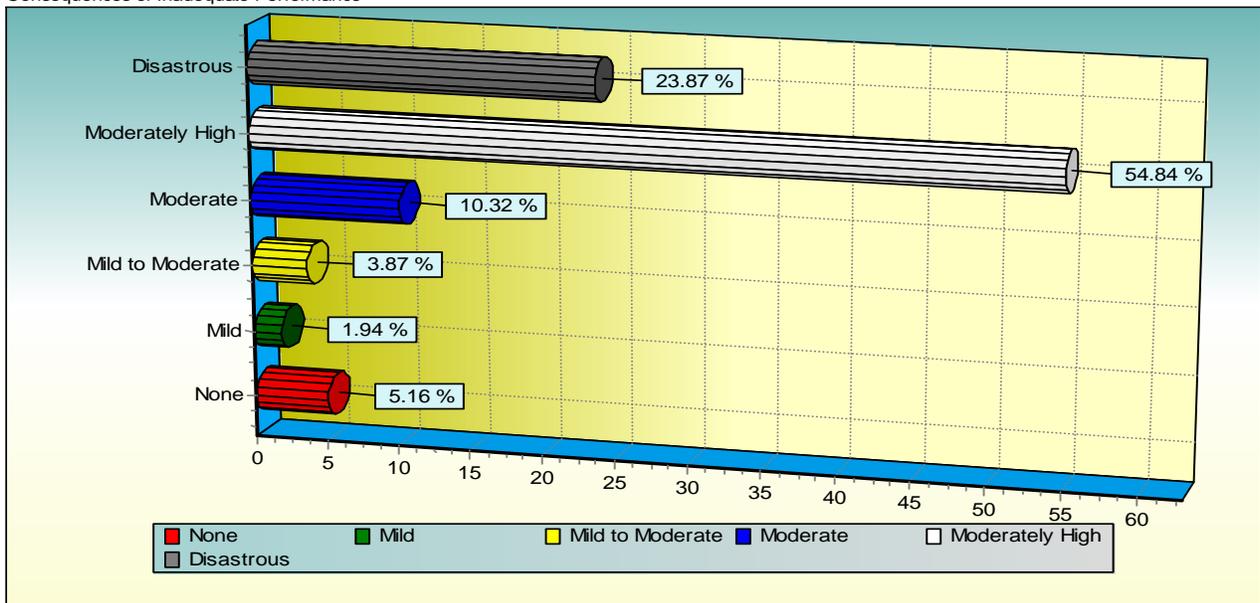


Pursue fleeing inmate on foot, negotiating barriers and hazards (running, jumping, climbing, etc.), struggle with and subdue after pursuit/evasion
Consequences of Inadequate Performance

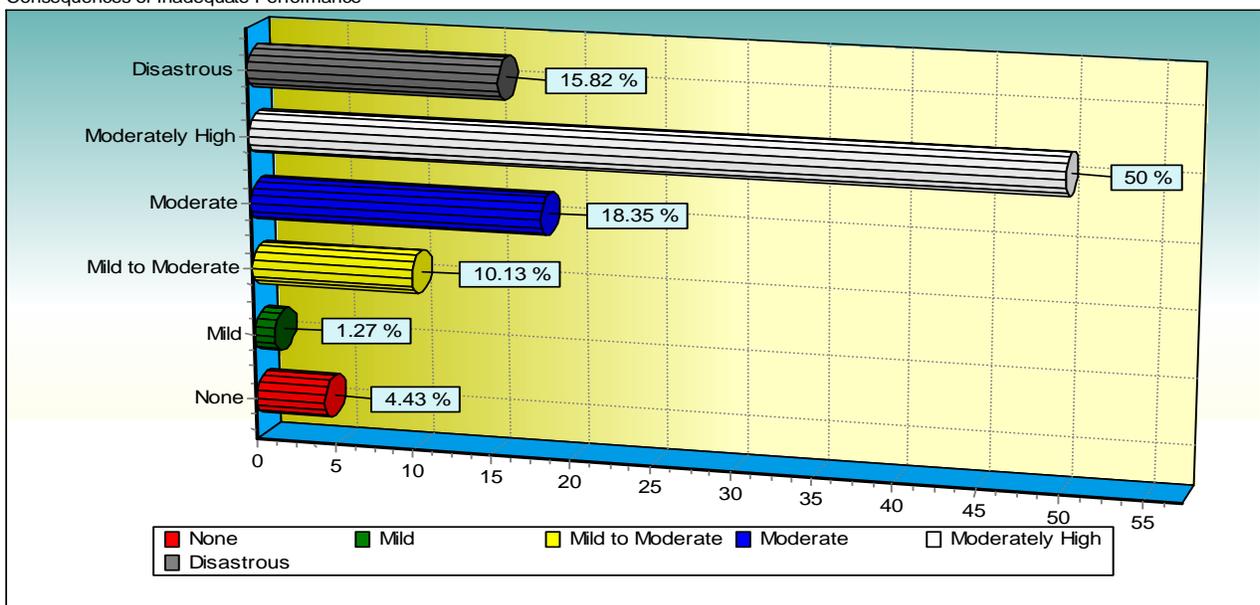


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Subdue and physically/mechanically restrain, lift/carry/drag inmate to/from cell or holding area
Consequences of Inadequate Performance



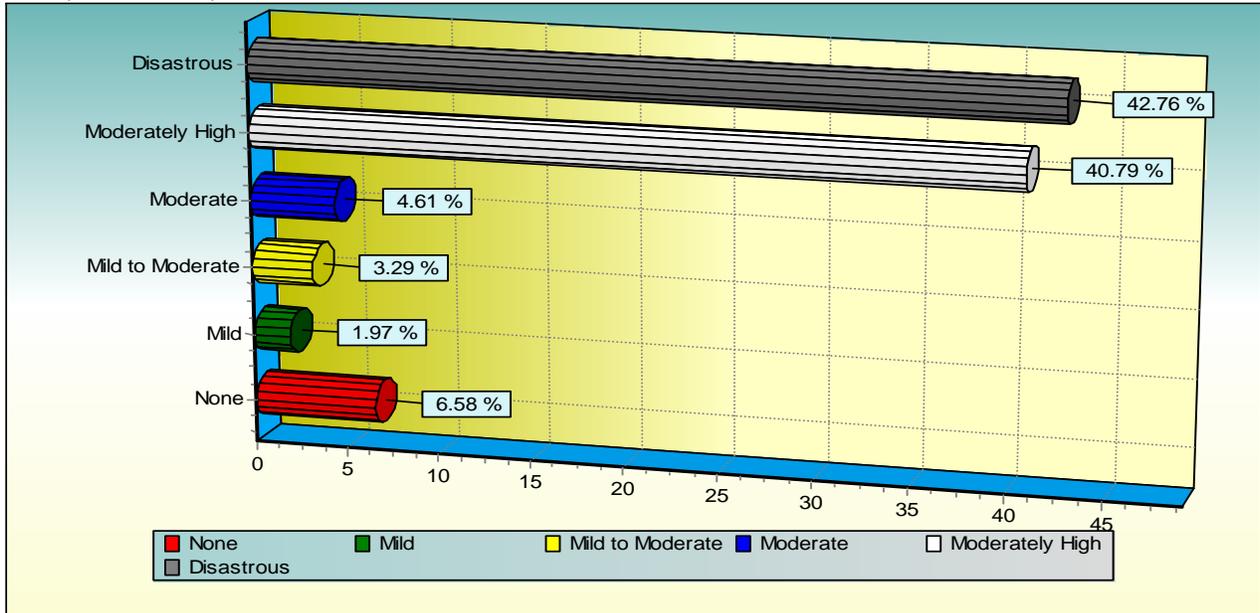
Transport inmate (resisting, not resisting) within the facility, maintaining physical control, negotiating stairs, doorways, obstacles and other features
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

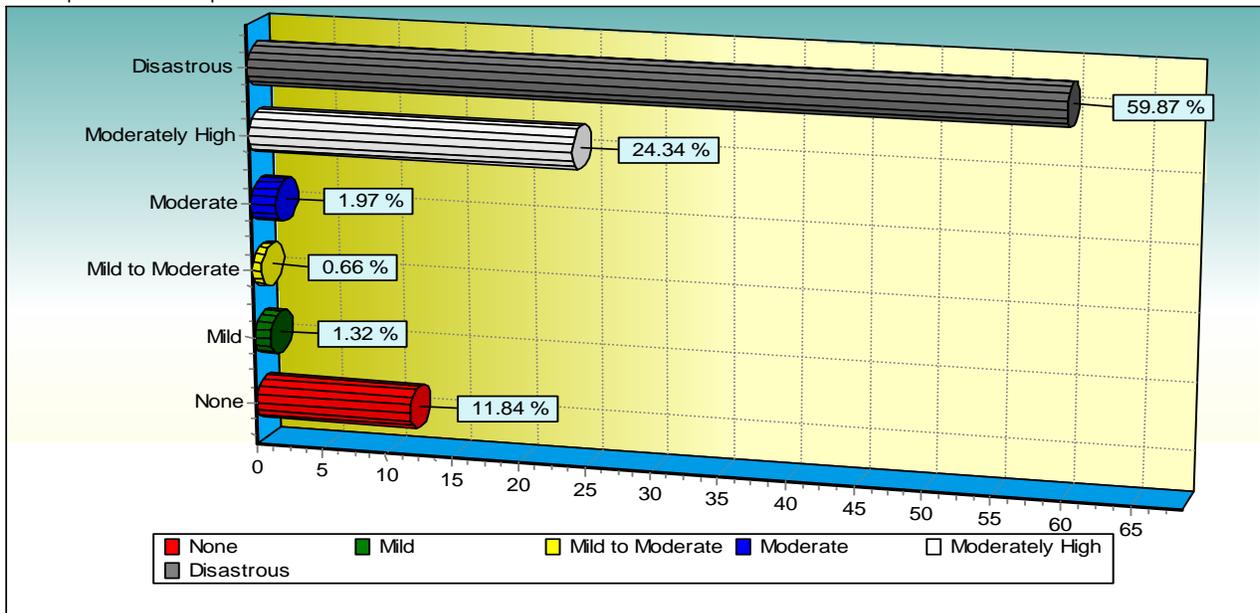
Being struck by, and/or striking inmates (physical altercations)

Consequences of Inadequate Performance



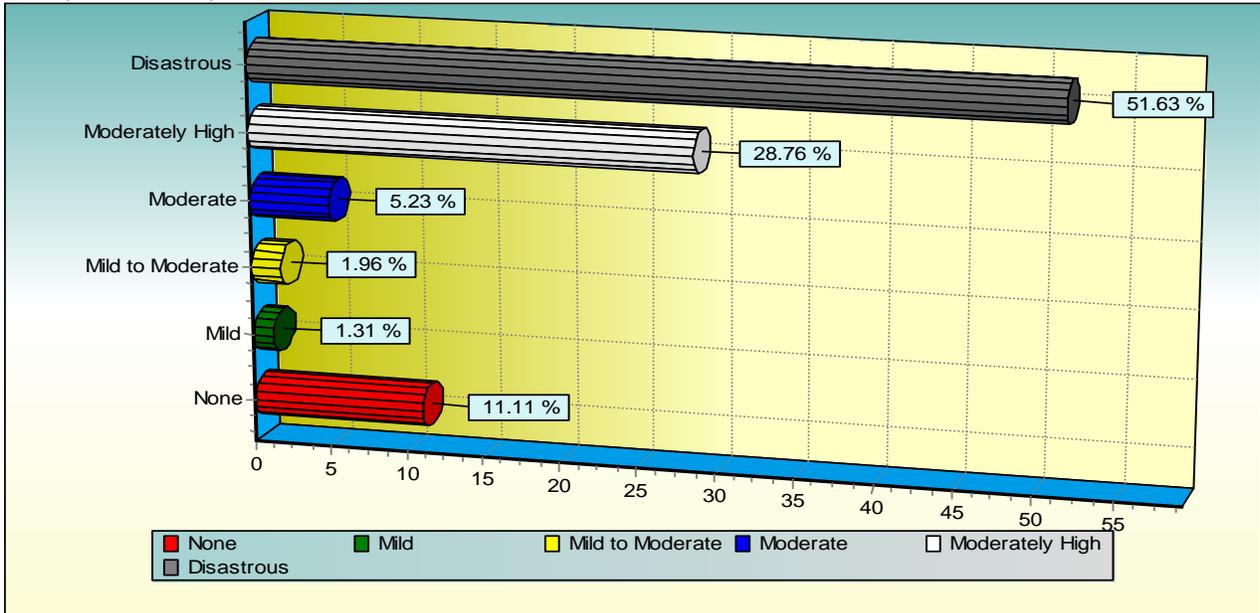
Physically struggling with multiple inmates

Consequences of Inadequate Performance

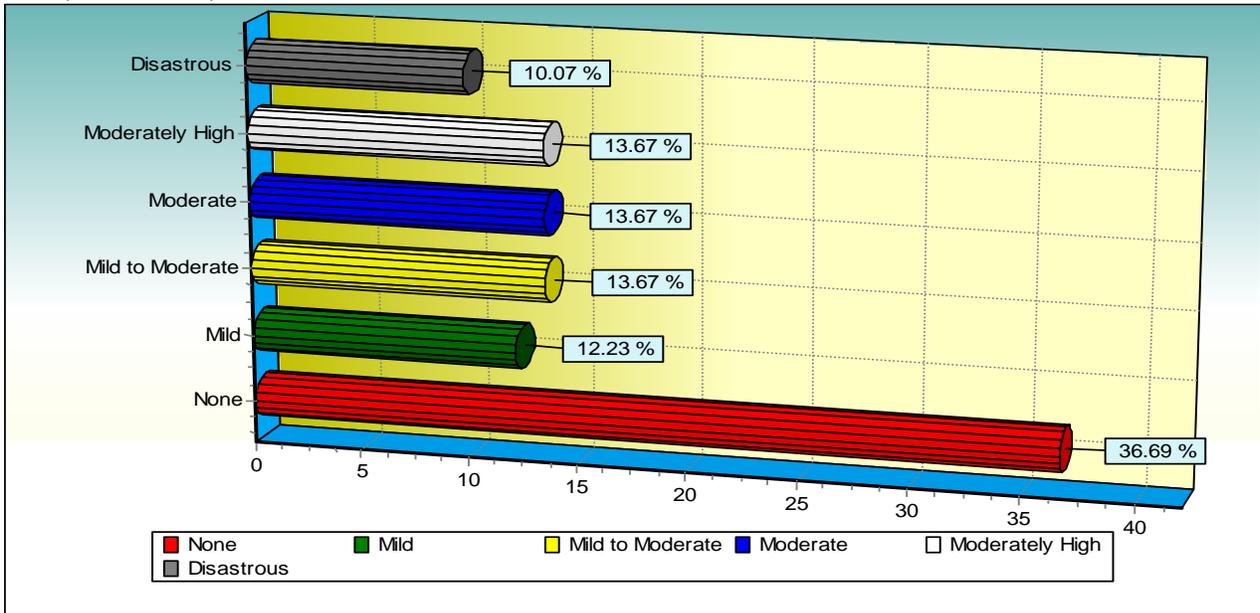


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Falling/being knocked down in struggle or pursuit - recovering to feet - resuming struggle/pursuit
 Consequences of Inadequate Performance

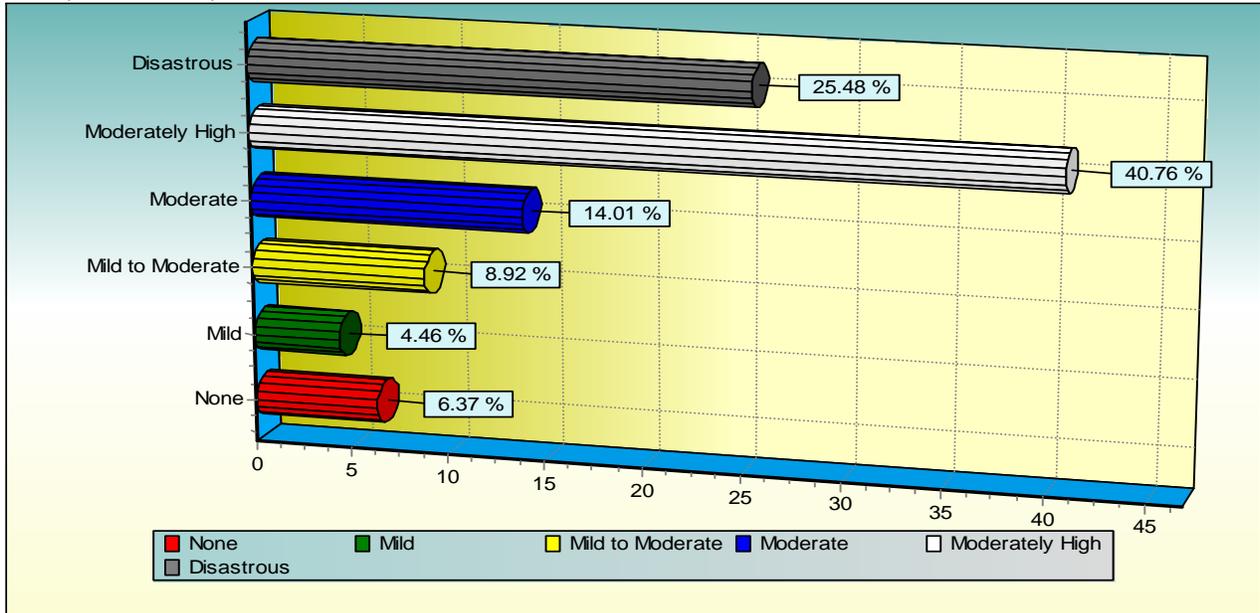


Operating, servicing and maintaining agricultural equipment and tools (powered and unpowered)
 Consequences of Inadequate Performance

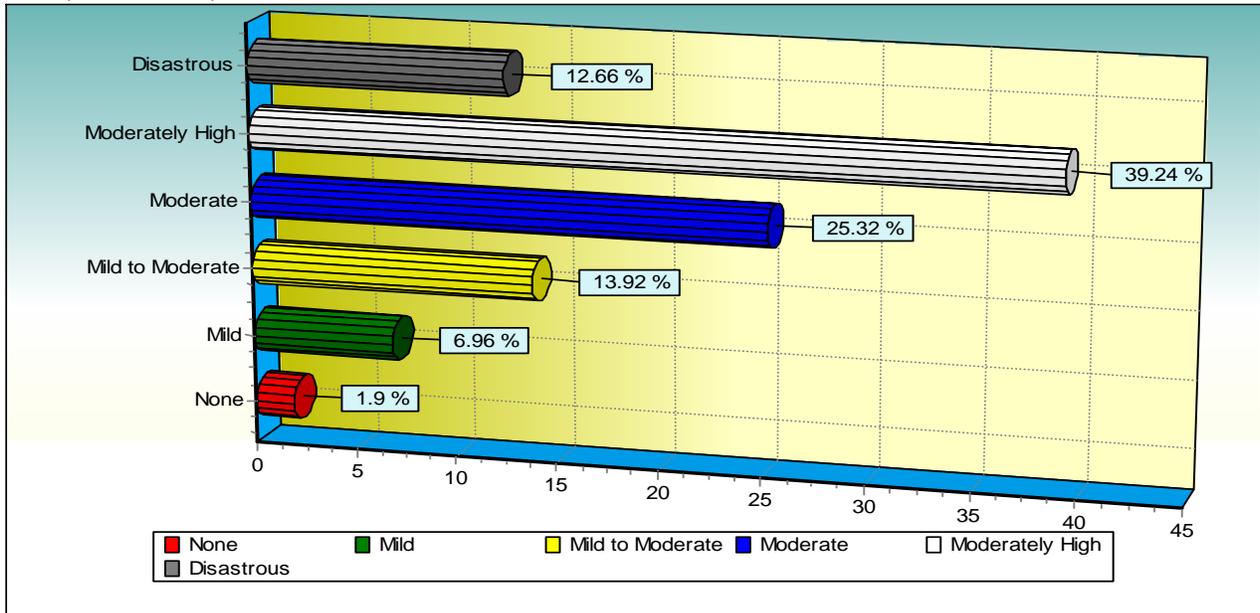


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Loading, unloading, driving transport vehicles (cars, vans, buses), while maintaining control of inmates
 Consequences of Inadequate Performance



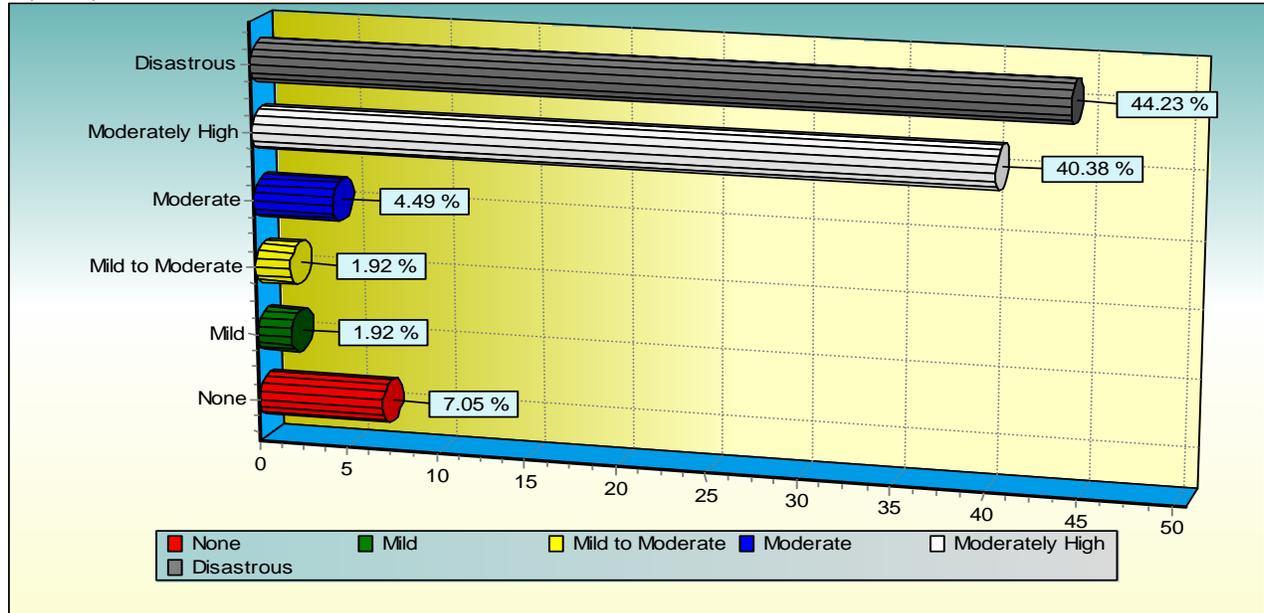
Participate in Defensive Tactics Training (DT's)
 Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

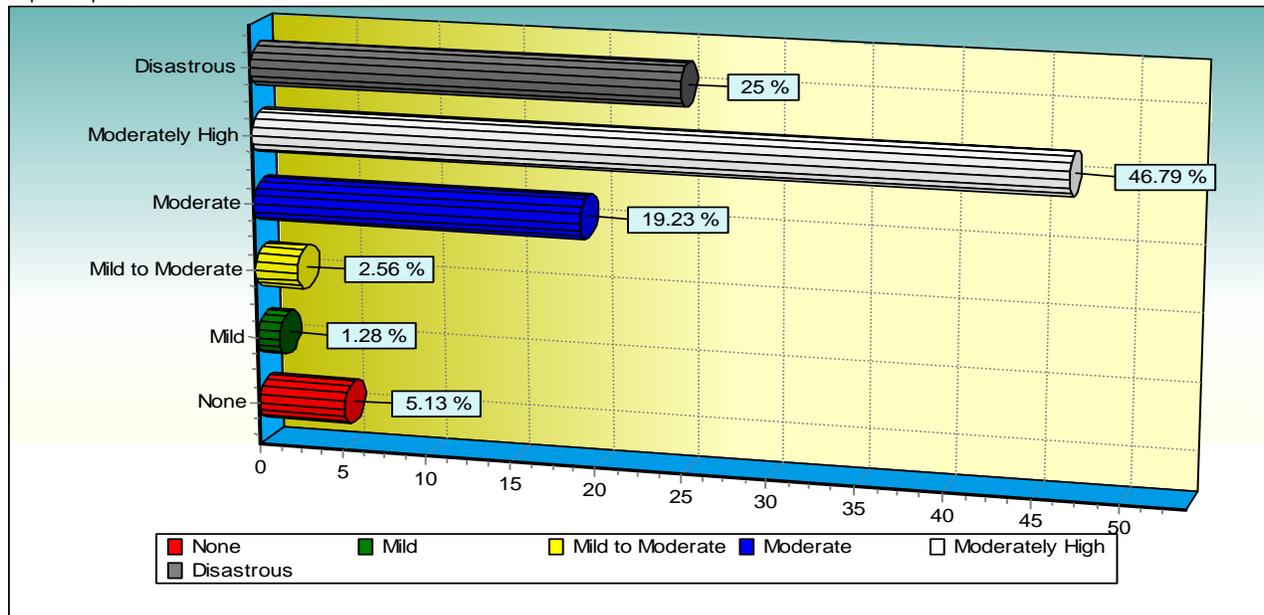
Continuing to function in a physical confrontation after being struck/injured

Impact/Importance



Maintain a state of hypervigilance (acute sensory awareness over protracted period of time (hours)

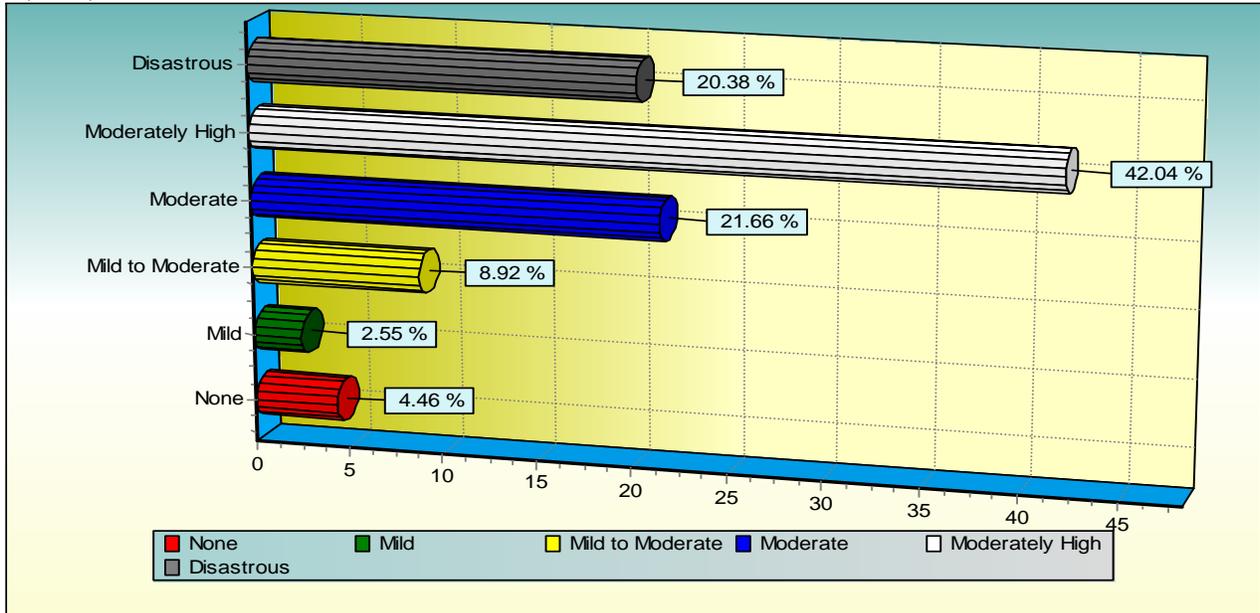
Impact/Importance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

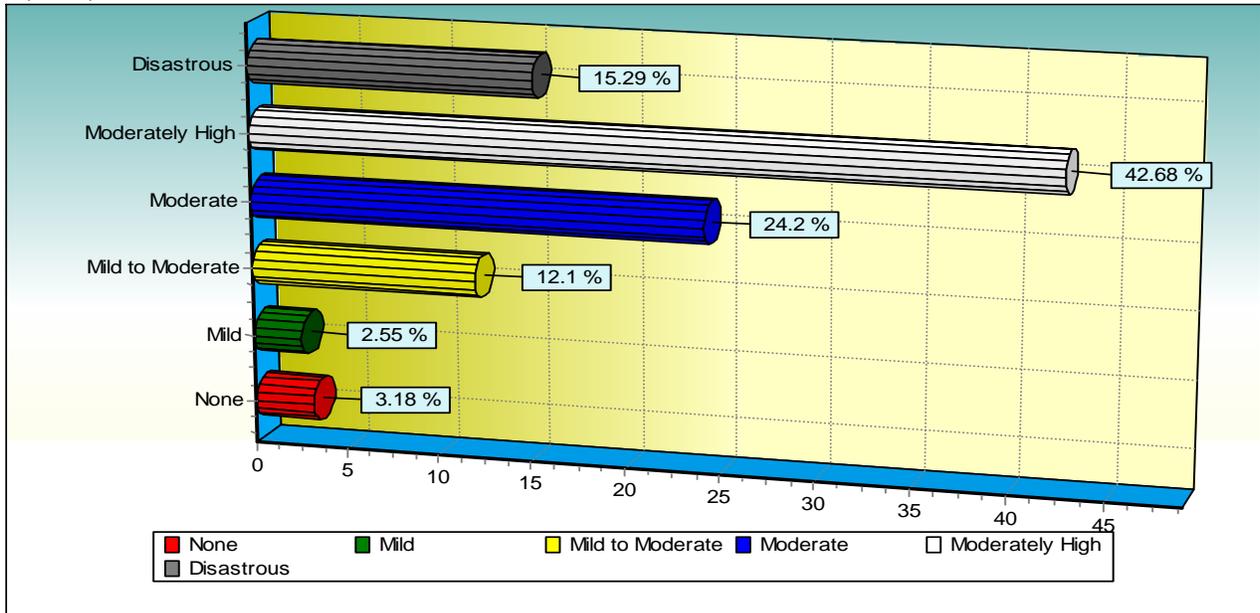
Cope with the physical effects of acute emotional stress (fear, anger, etc) (self)

Impact/Importance



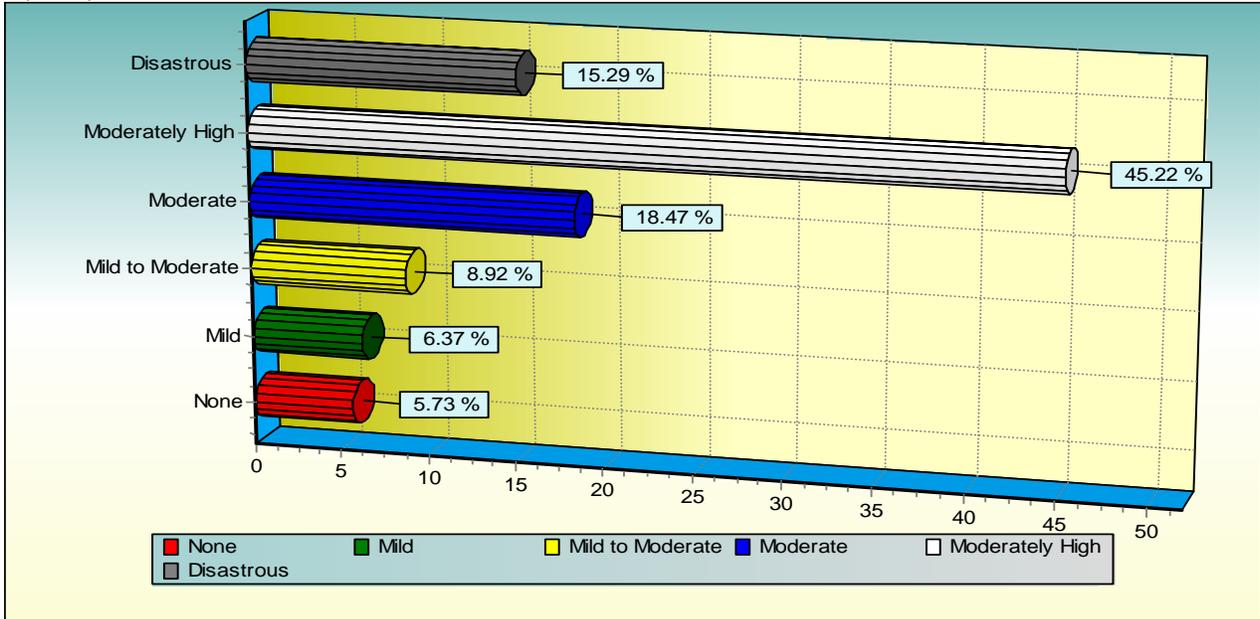
Cope with physical effects of acute emotional stress (others)

Impact/Importance

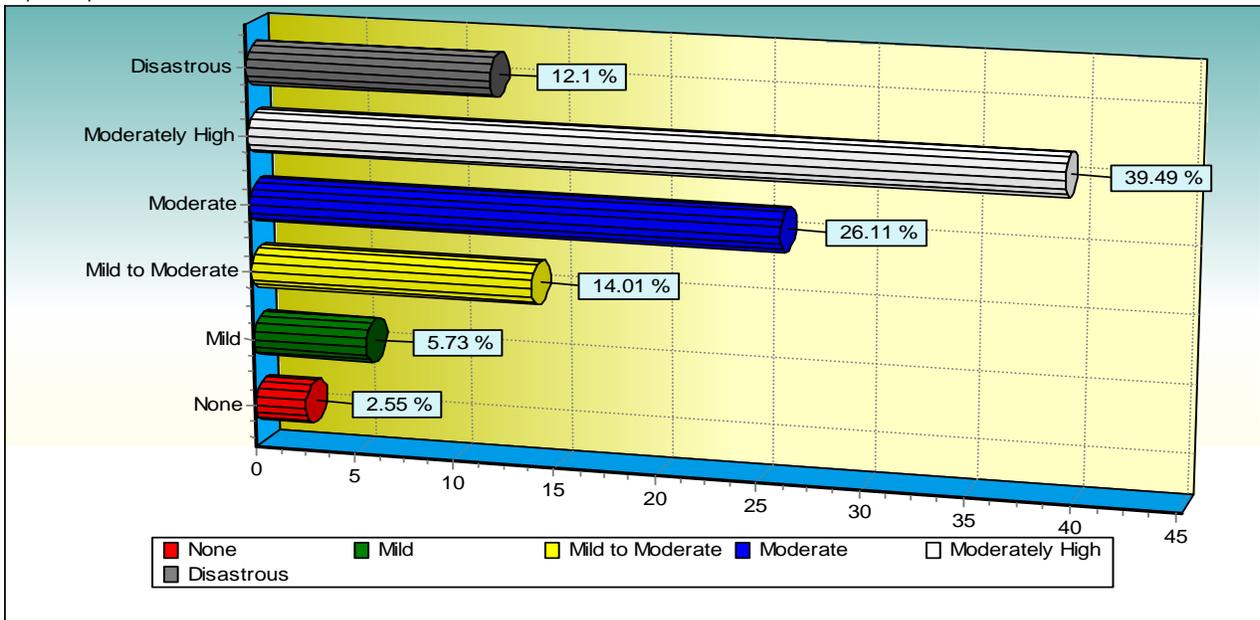


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Cope with the physical effects of chronic (cumulative) emotional stress (self)
Impact/Importance

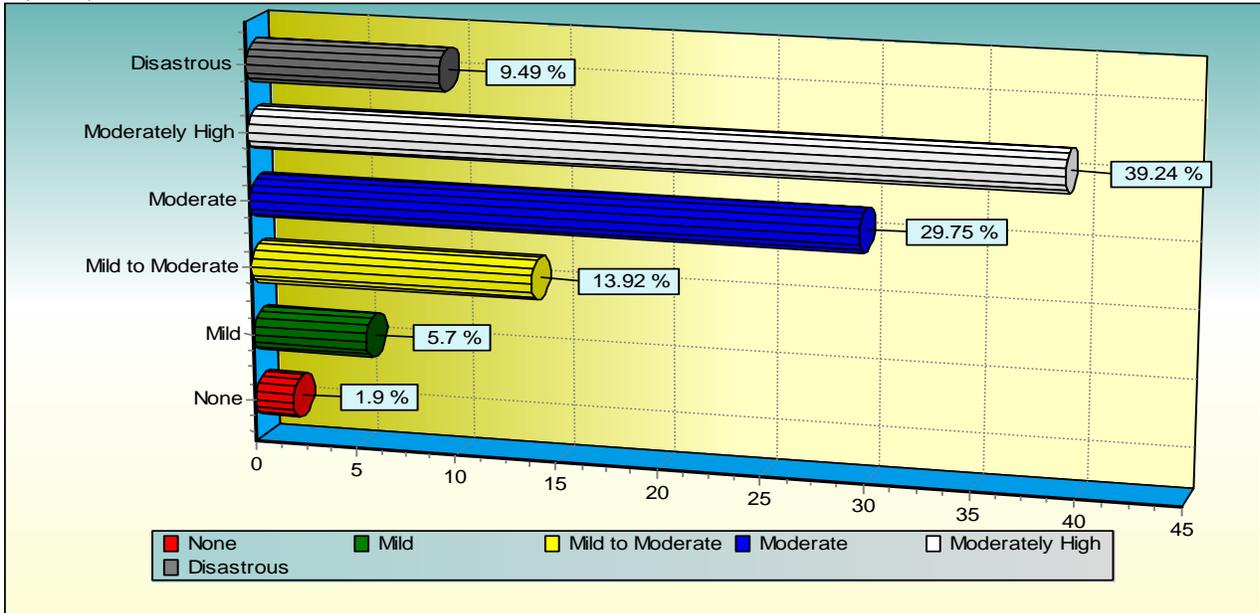


Cope with the chronic (cumulative) emotional stress (others)
Impact/Importance

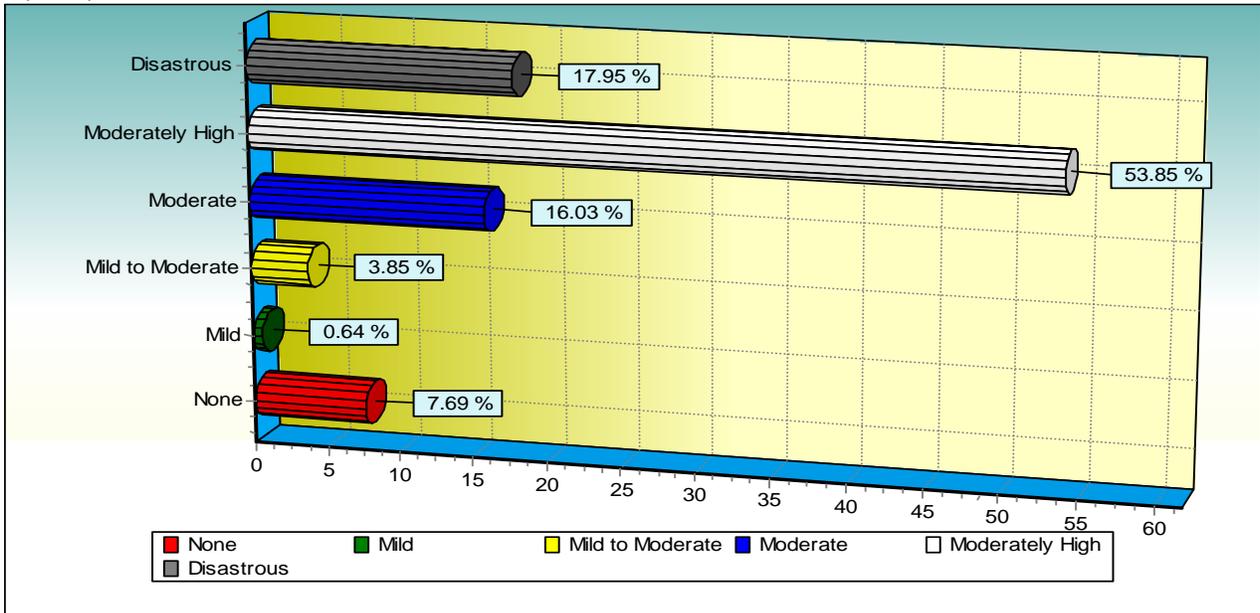


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Cope with the chronic physical effects of shift-work
Impact/Importance



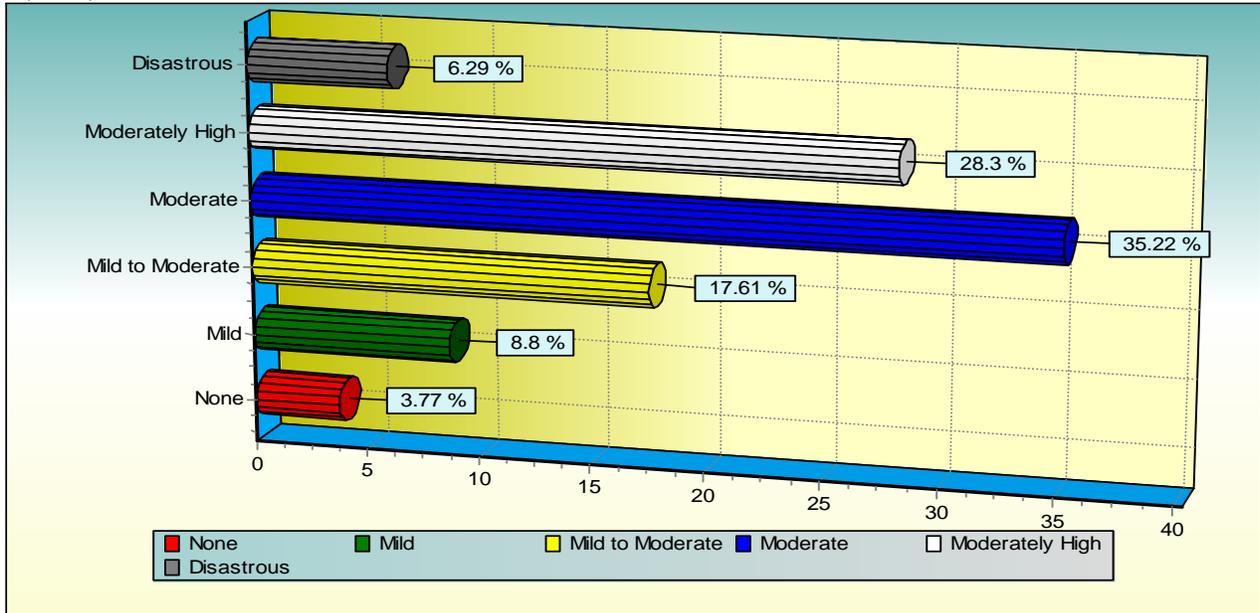
Cope with the emotional and physical results of being struck by - exposed to bodily fluids
Impact/Importance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

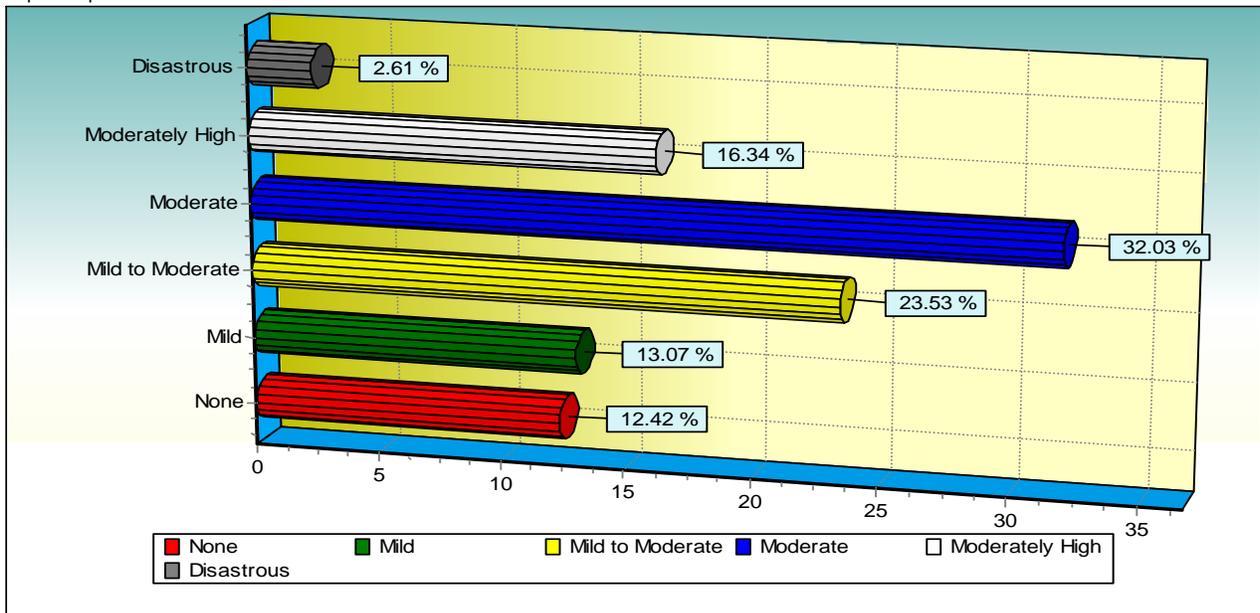
Cope with the emotional and physical impact of being subjected to verbal threats of violence

Impact/Importance



Cope with the emotional impact witnessing sexual acts among inmates

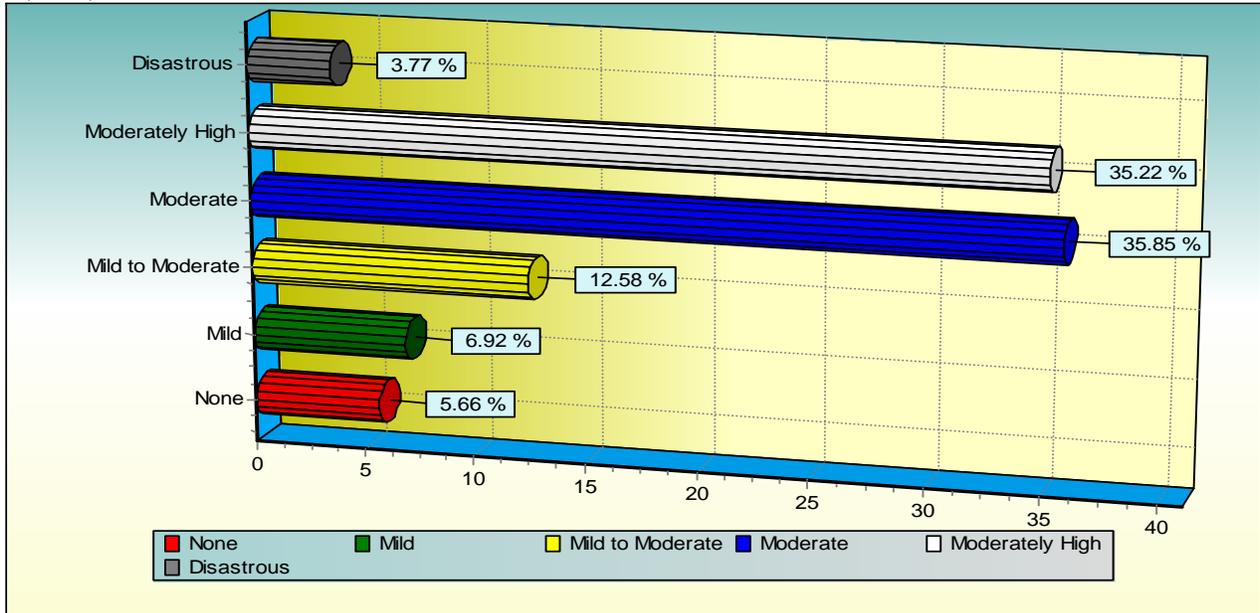
Impact/Importance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

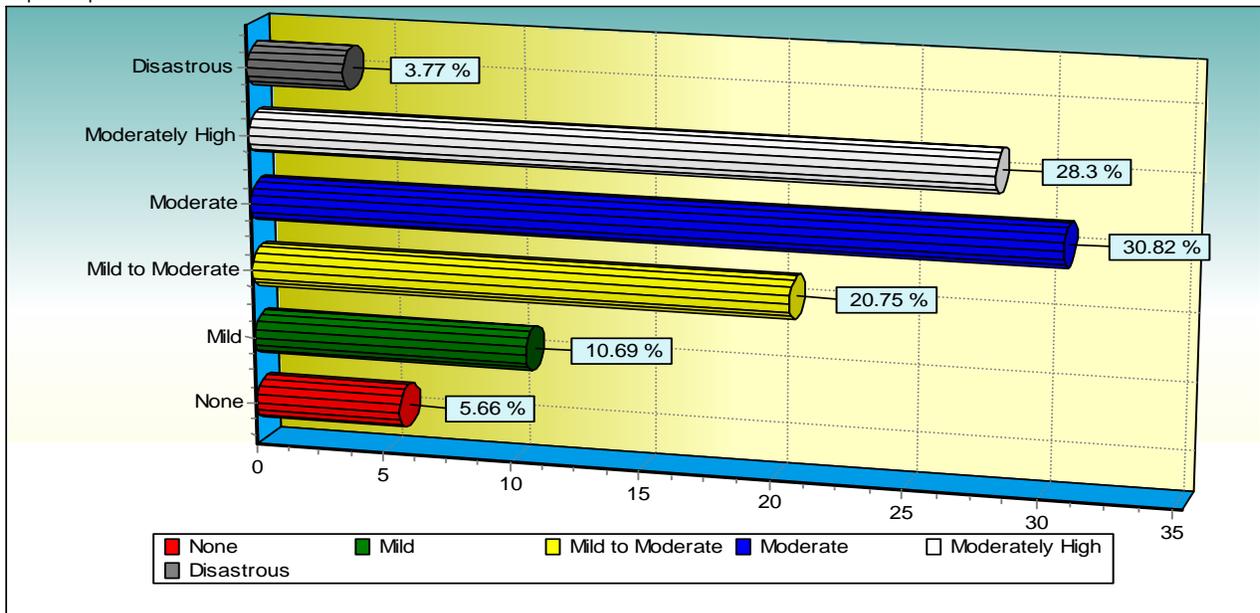
Cope with the emotional impact of coping with seriously mentally ill inmates

Impact/Importance



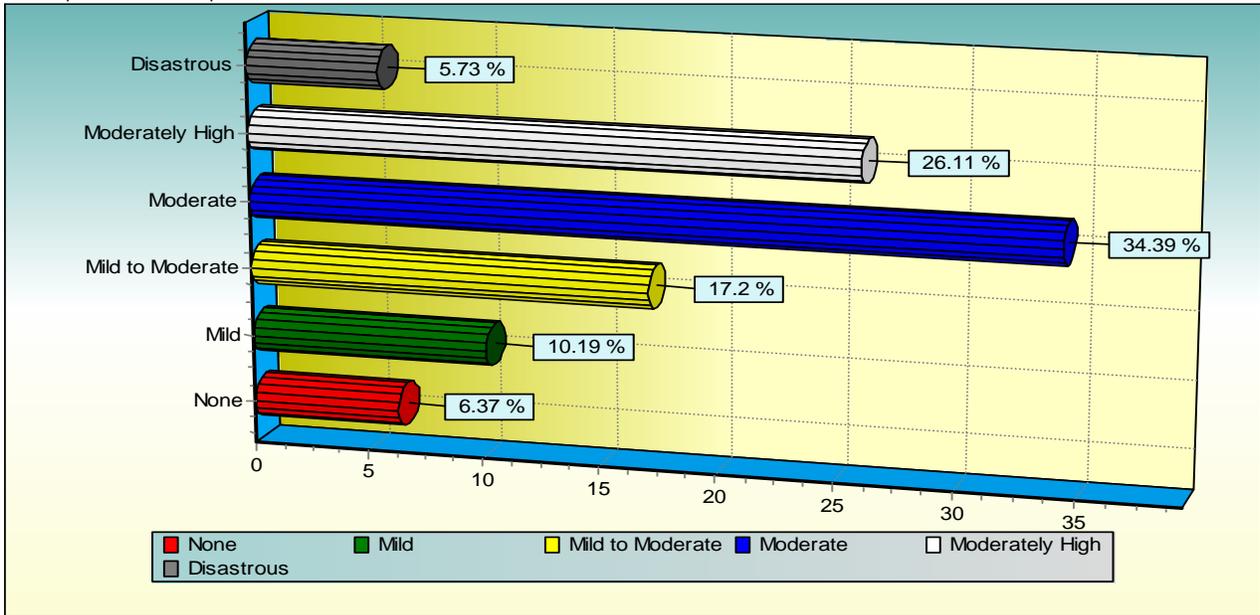
Cope with the emotional impact of verbal abuse from inmates

Impact/Importance

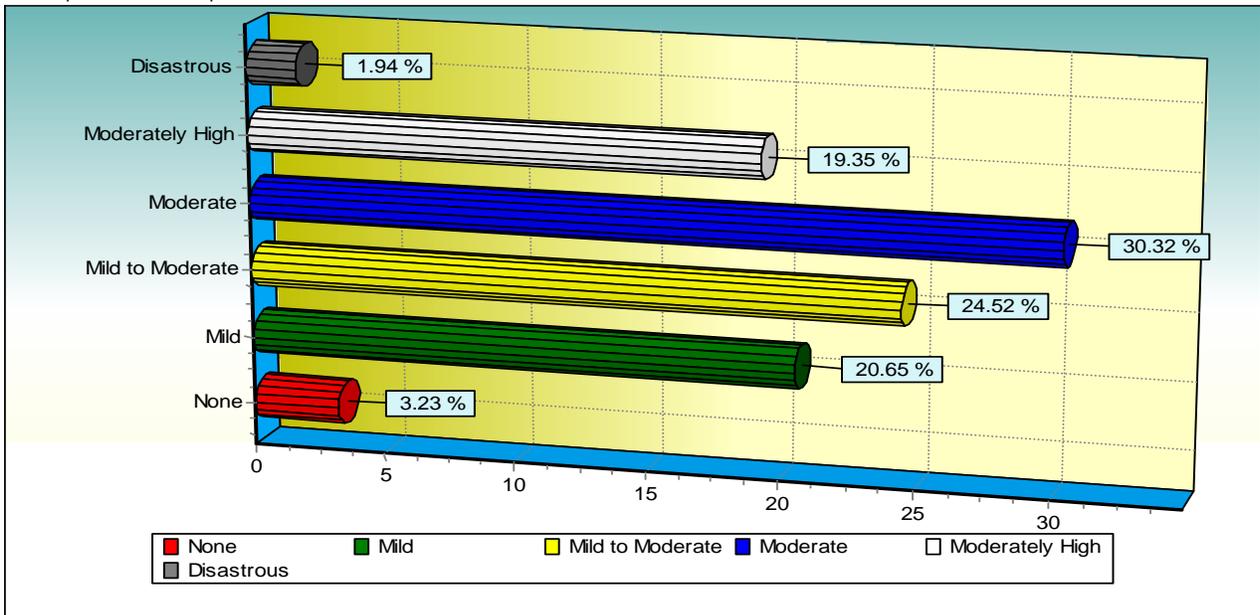


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Kneel, squat and recover to feet repeatedly
Consequences of Inadequate Performance

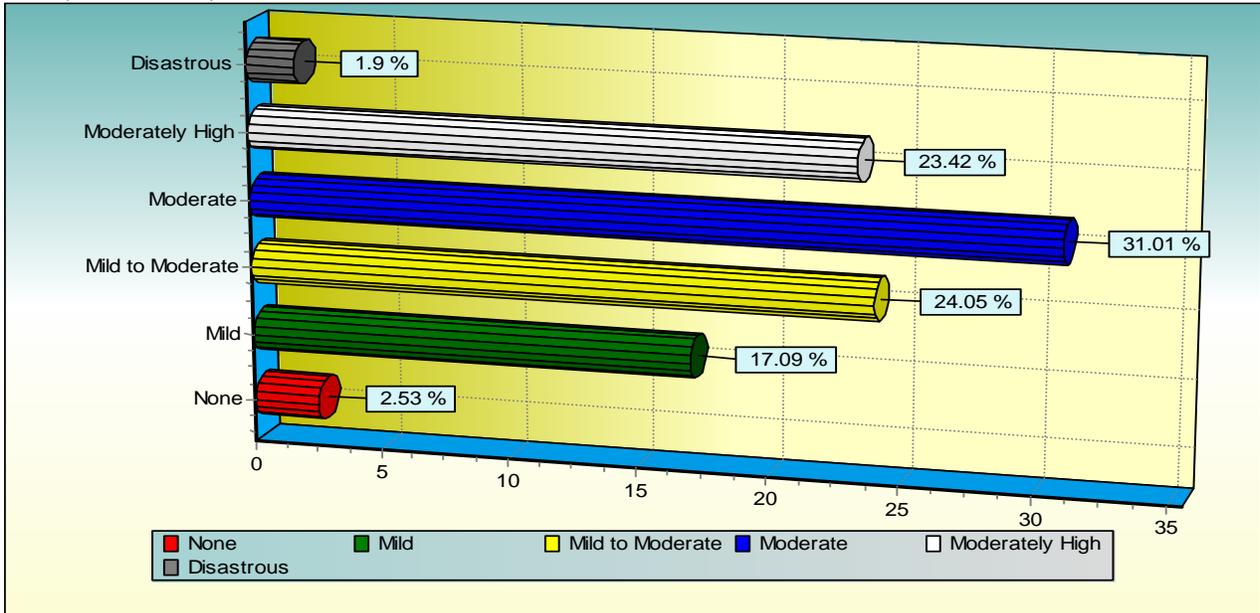


Repetitive hand movement (e.g., typing, writing, car code scanning, etc.) for up to several hours per day.
Consequences of Inadequate Performance

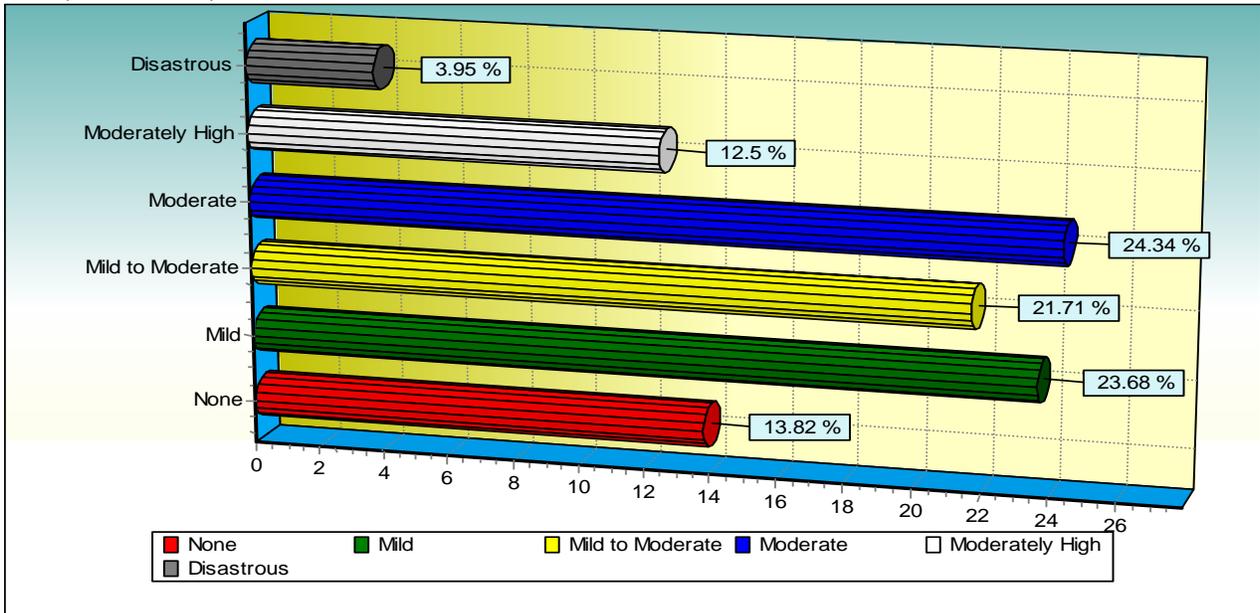


2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Bending over from waist at or below waist level
Consequences of Inadequate Performance

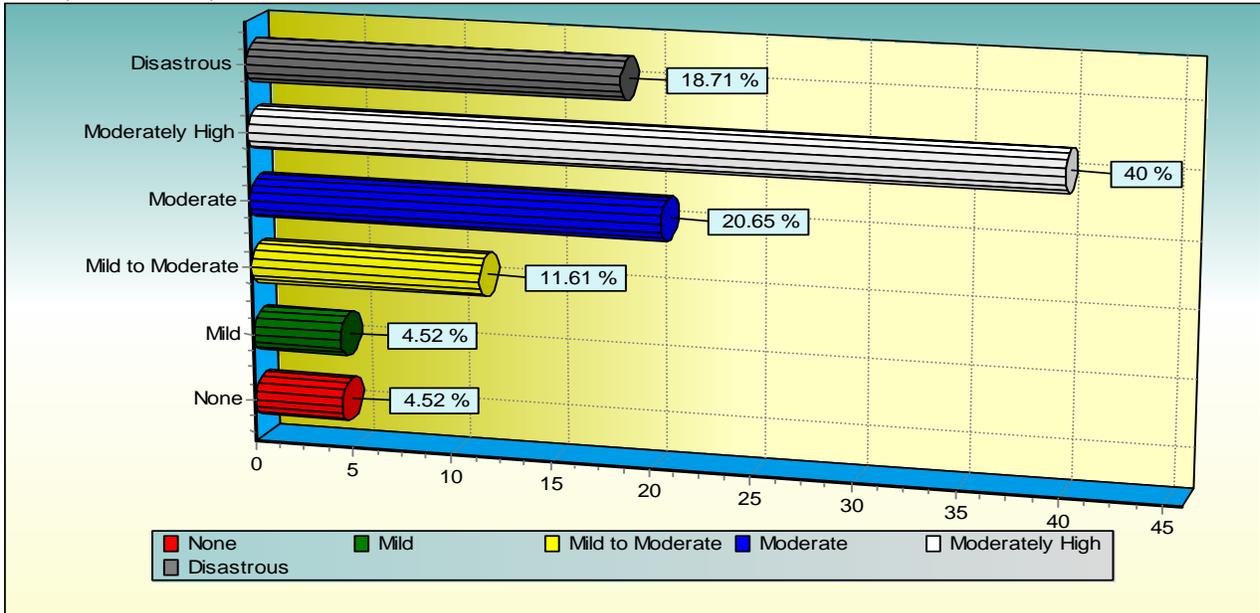


Crawling on hands and knees
Consequences of Inadequate Performance

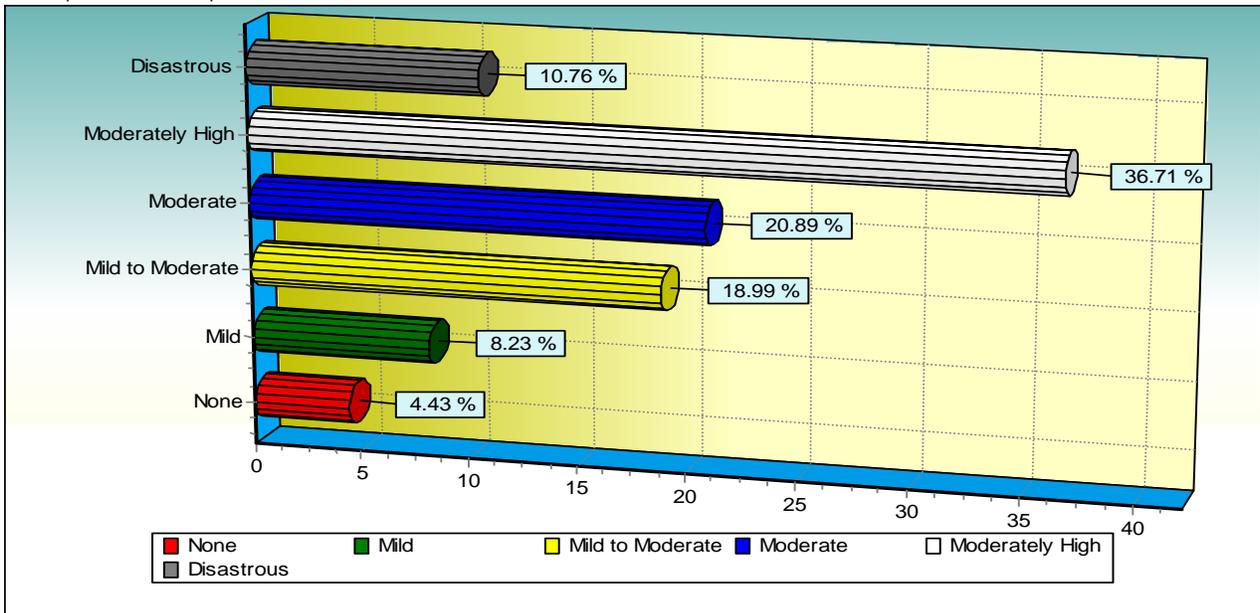


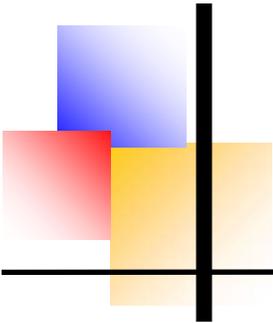
2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

Cardio-vascular endurance (sustained high-demand physical exertion for longer than three minutes)
 Consequences of Inadequate Performance



Accurately visually detect and resolve images, facial and body features, and movement of persons and objects in varying light conditions, at distances up to 100 feet
 Consequences of Inadequate Performance

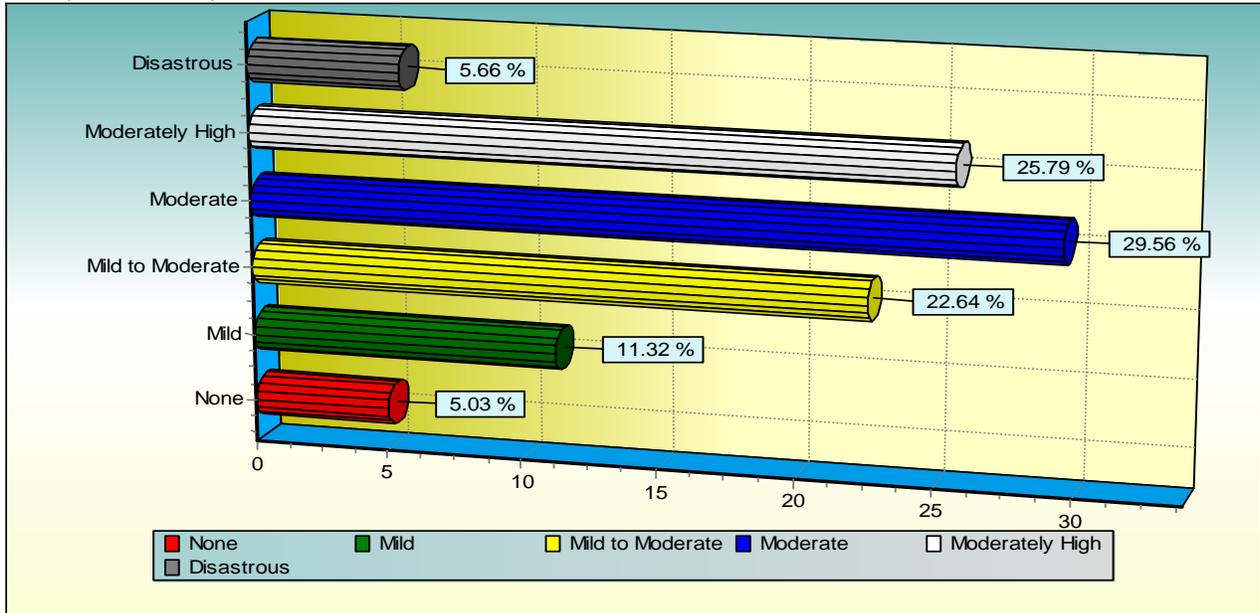




2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

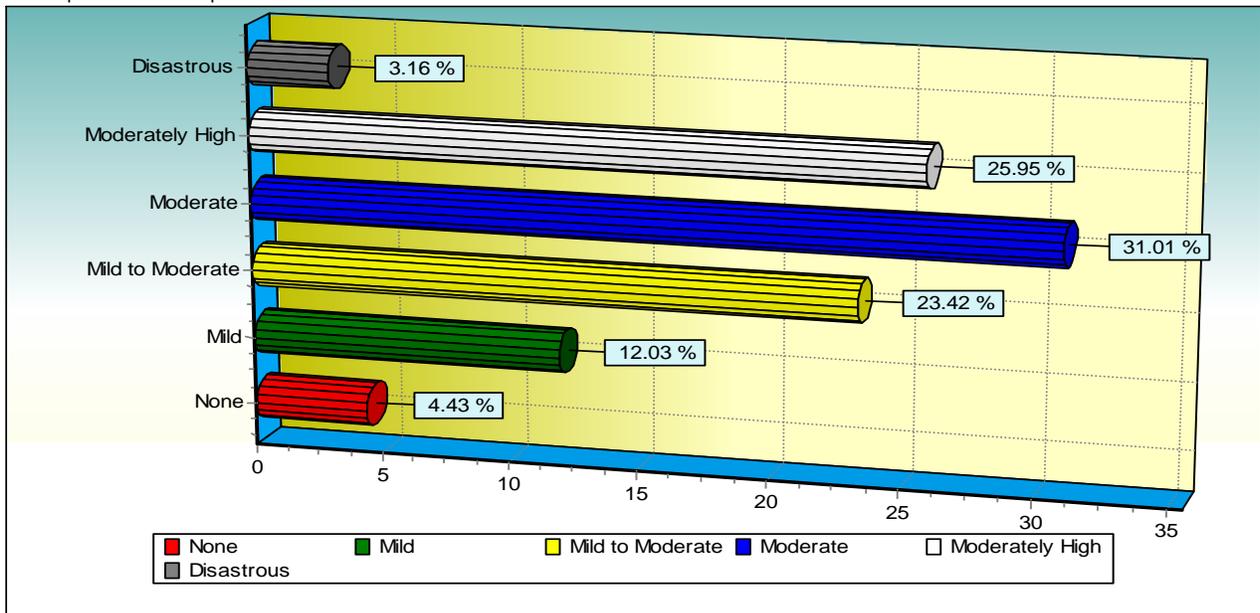
Accurately determine full-range colors (clothing, substances, skin tones, etc) in varying light conditions

Consequences of Inadequate Performance



Resolve and understand faint auditory signals (whispers, transients, air movement, etc.)

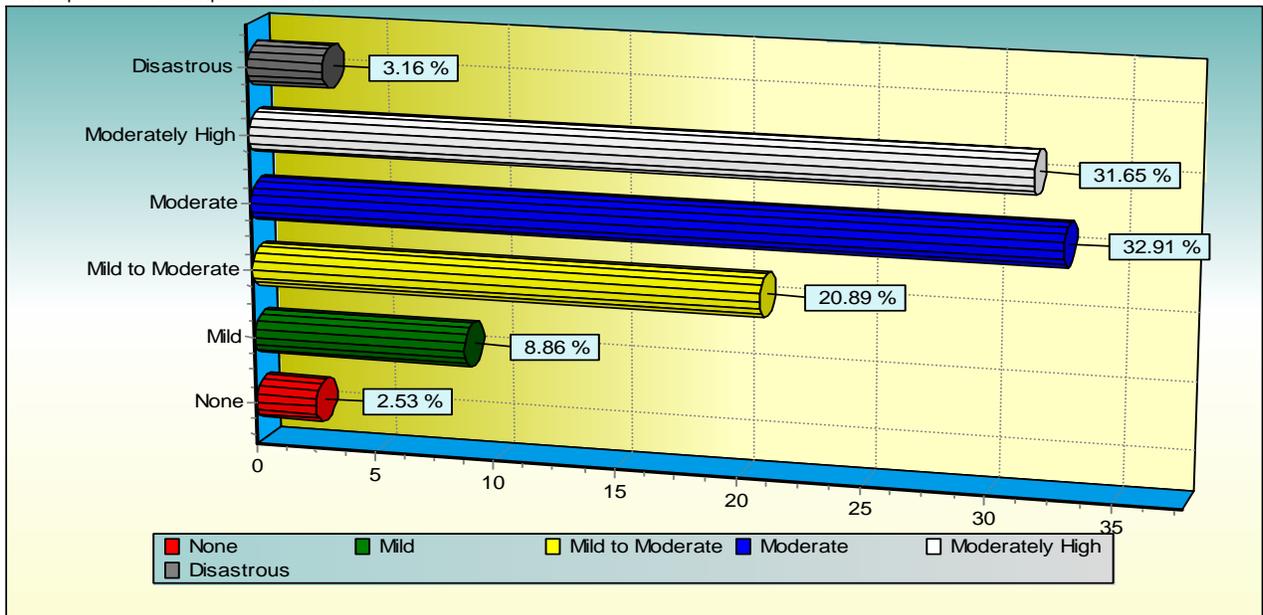
Consequences of Inadequate Performance



2006 Corrections Physical Task JTA - Consequences of Inadequate Performance

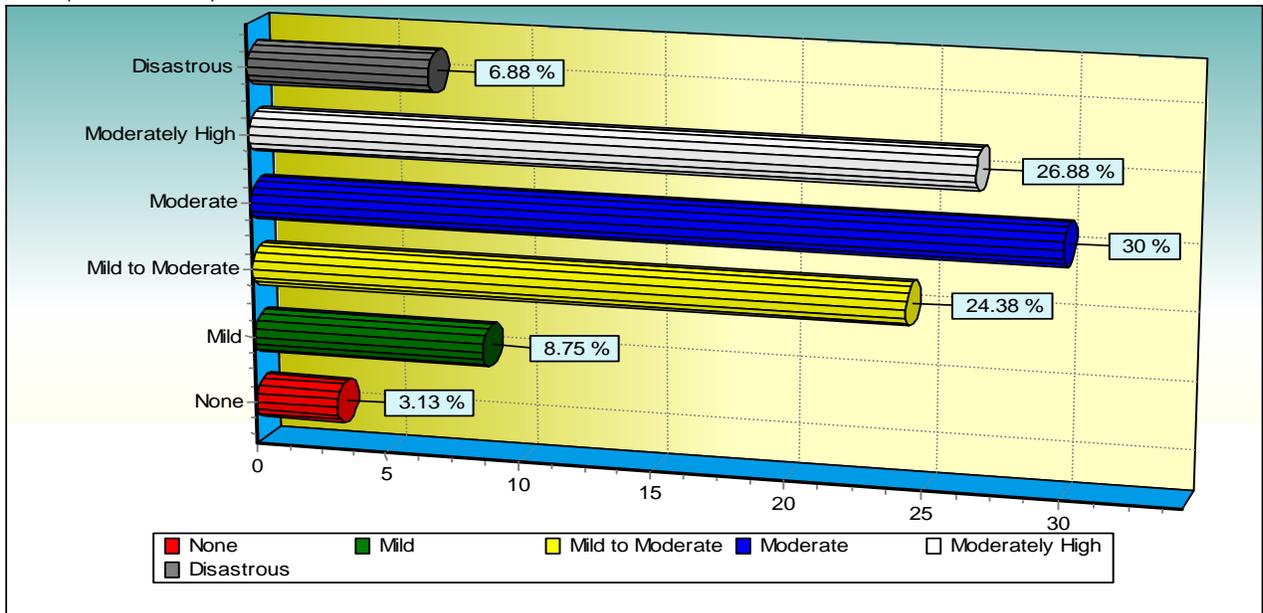
Resolve and understand speech in the presence of a wide range of environmental surrounds, including high levels of ambient background noise

Consequences of Inadequate Performance

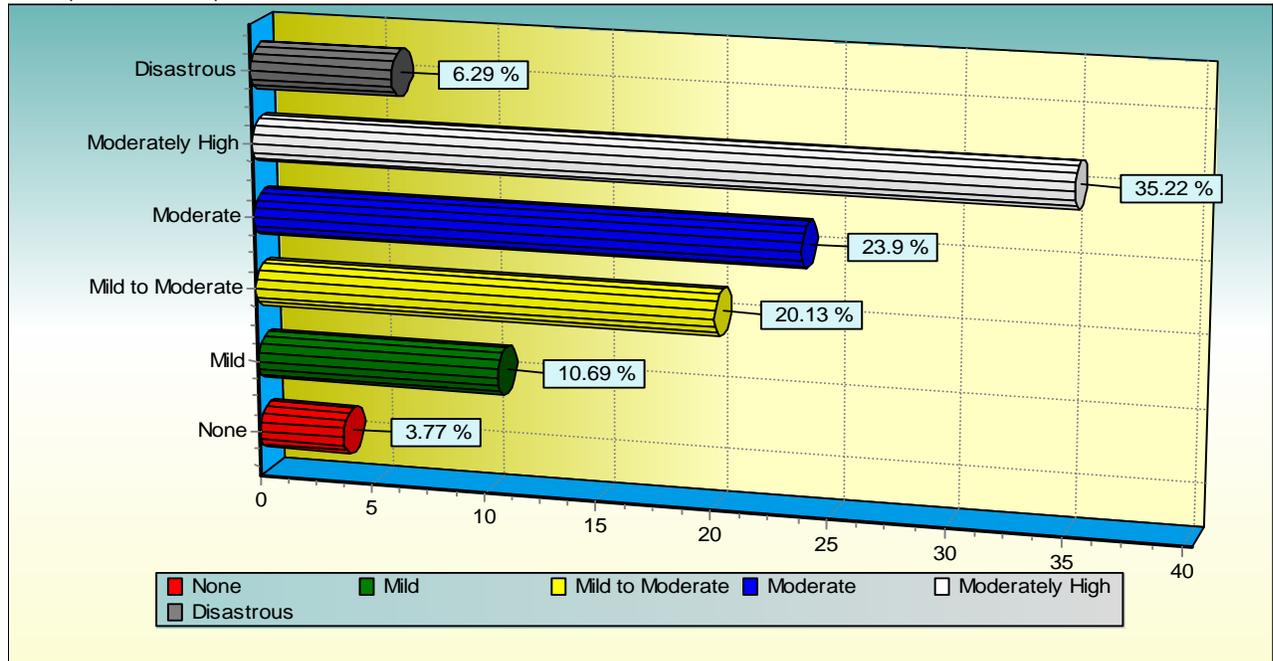


Detect and resolve faint and/or odd odors

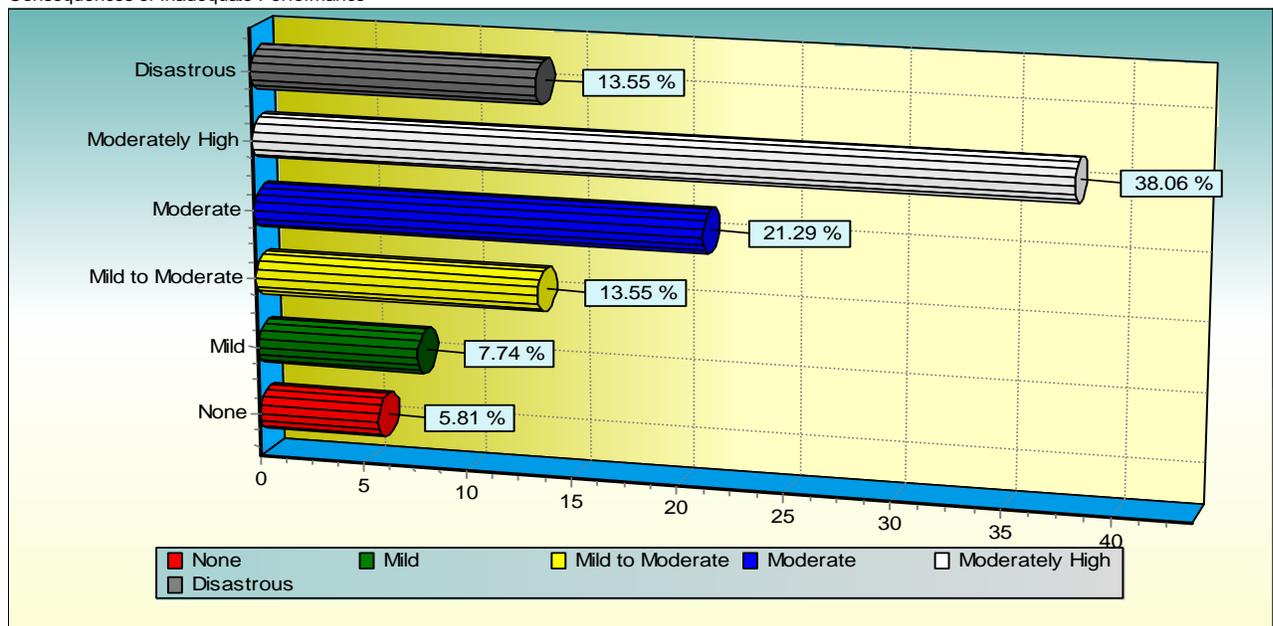
Consequences of Inadequate Performance



Accurately resolve visual images in low-light conditions
 Consequences of Inadequate Performance



Three-dimensional vision, sufficient for accurate depth perception, image placement and location sufficient for complex visual tasks (driving a vehicle in emergency conditions, pursuit of inmate over complex surfaces in unpredictable conditions, stairs, steps, obstacles, weapons use, etc.)
 Consequences of Inadequate Performance



Accurately visually detect and resolve transitory and subtle changes in "body language" (pupil constriction/dilation, skin color, respiration changes, etc.)

Consequences of Inadequate Performance

