



# Justice Health

## Clinical Utility of MH-OAT

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Justice Health

# Overview of Justice Health

- Over 82 sites including:
- 33 adult correctional centres
  - 9000-9500 adults in custody
  - 93% Male 7% Female
- 17 courts
- Police cells
- 70 % on remand 30% sentenced inmates
- Around 250,000 movements per year
- 9 adolescent centres
  - 300-350 adolescents in custody

# Overview of Services

Statewide Community Forensic Service

Statewide Court Liaison Service

Ambulatory Services

- Adolescent

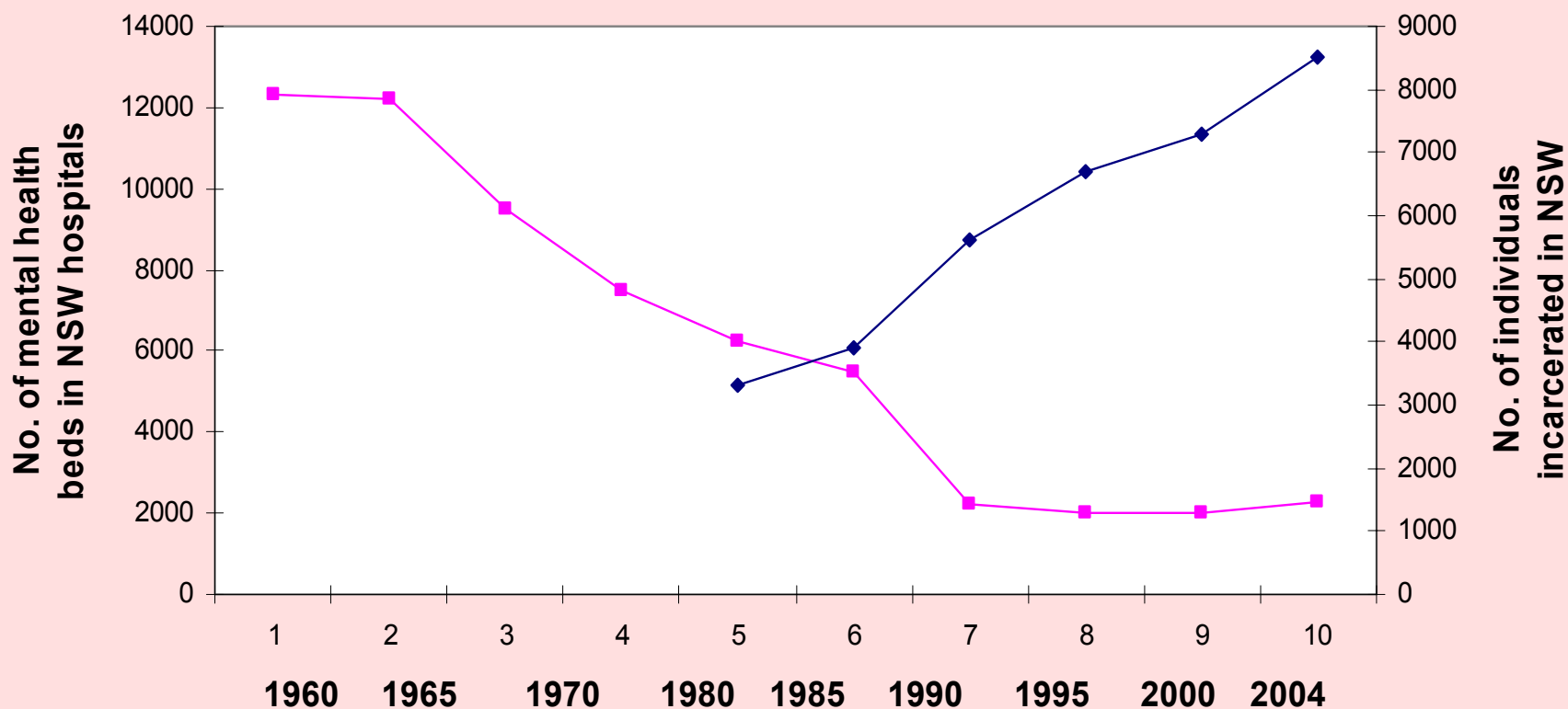
- Adult

Adult Inpatient Services Long Bay Hospital

89 Male beds, 9 Female beds

18 Medical beds

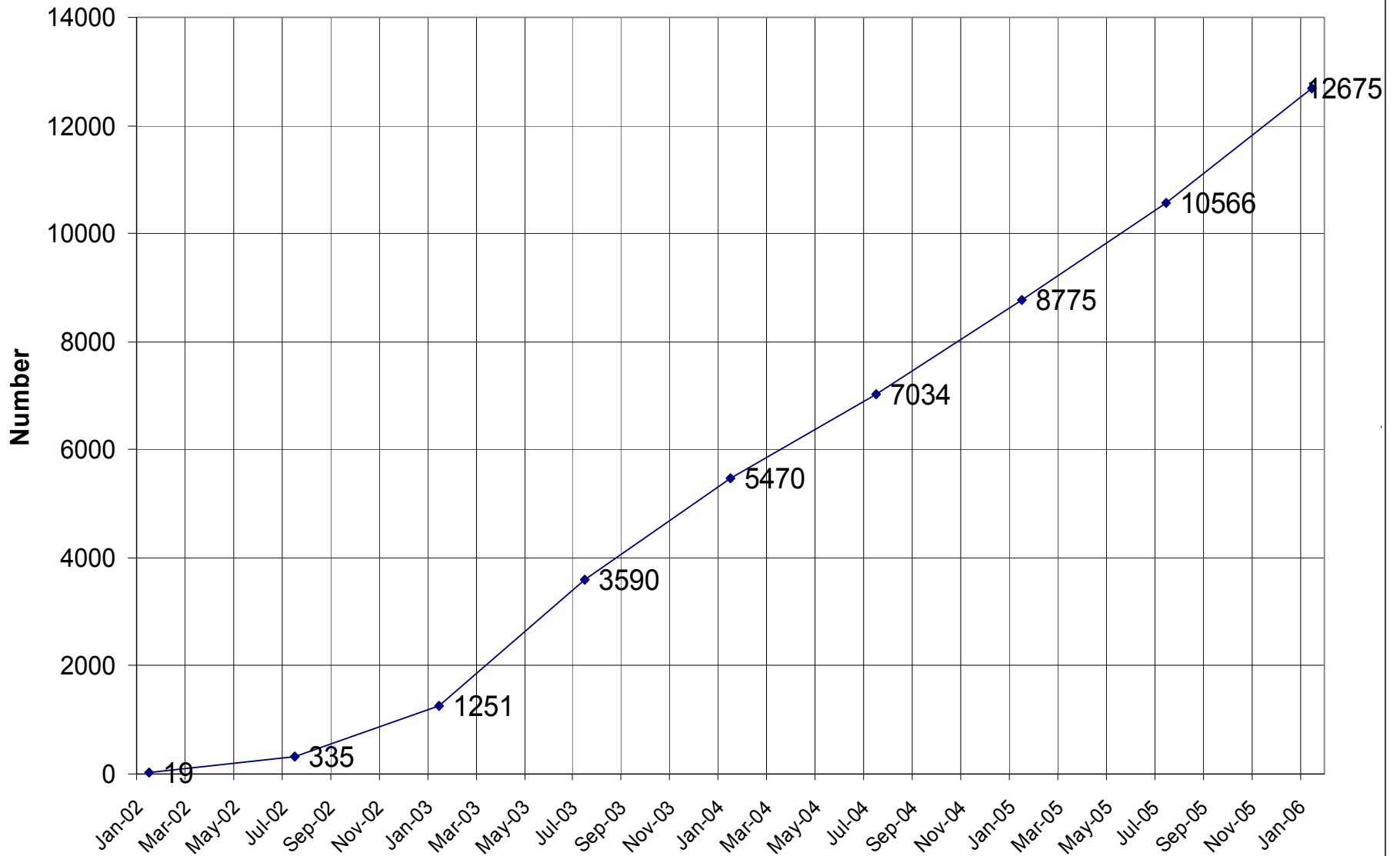
# Comparison of number of mental health beds in NSW hospitals with number of individuals incarcerated in NSW Correctional Centres from 1960 to 2004



# Application of outcome measures

- 1. Overview of Services

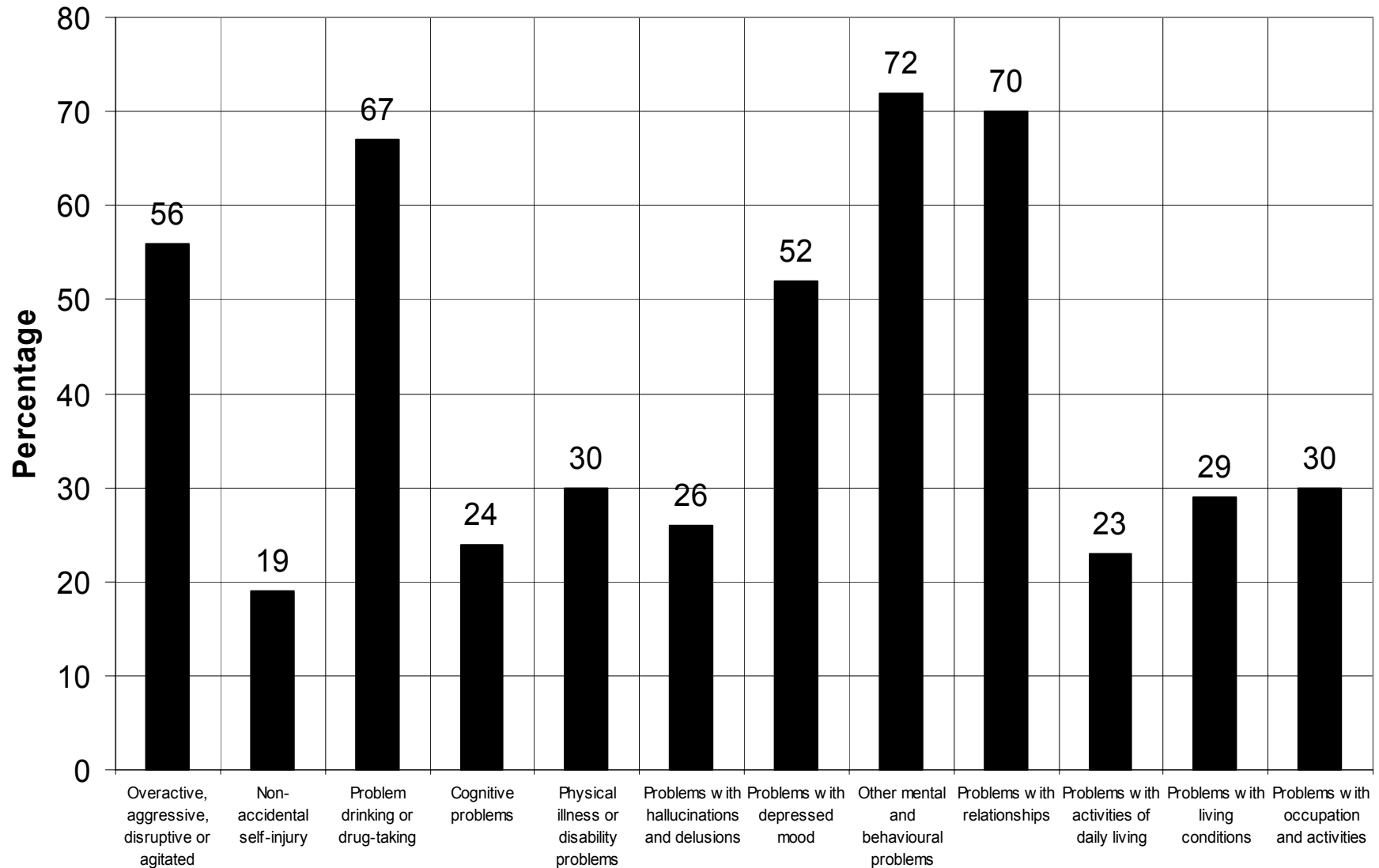
# Justice Health: Number of patients registered on the SCI-MH-OAT database from January 2002 up until January 2006



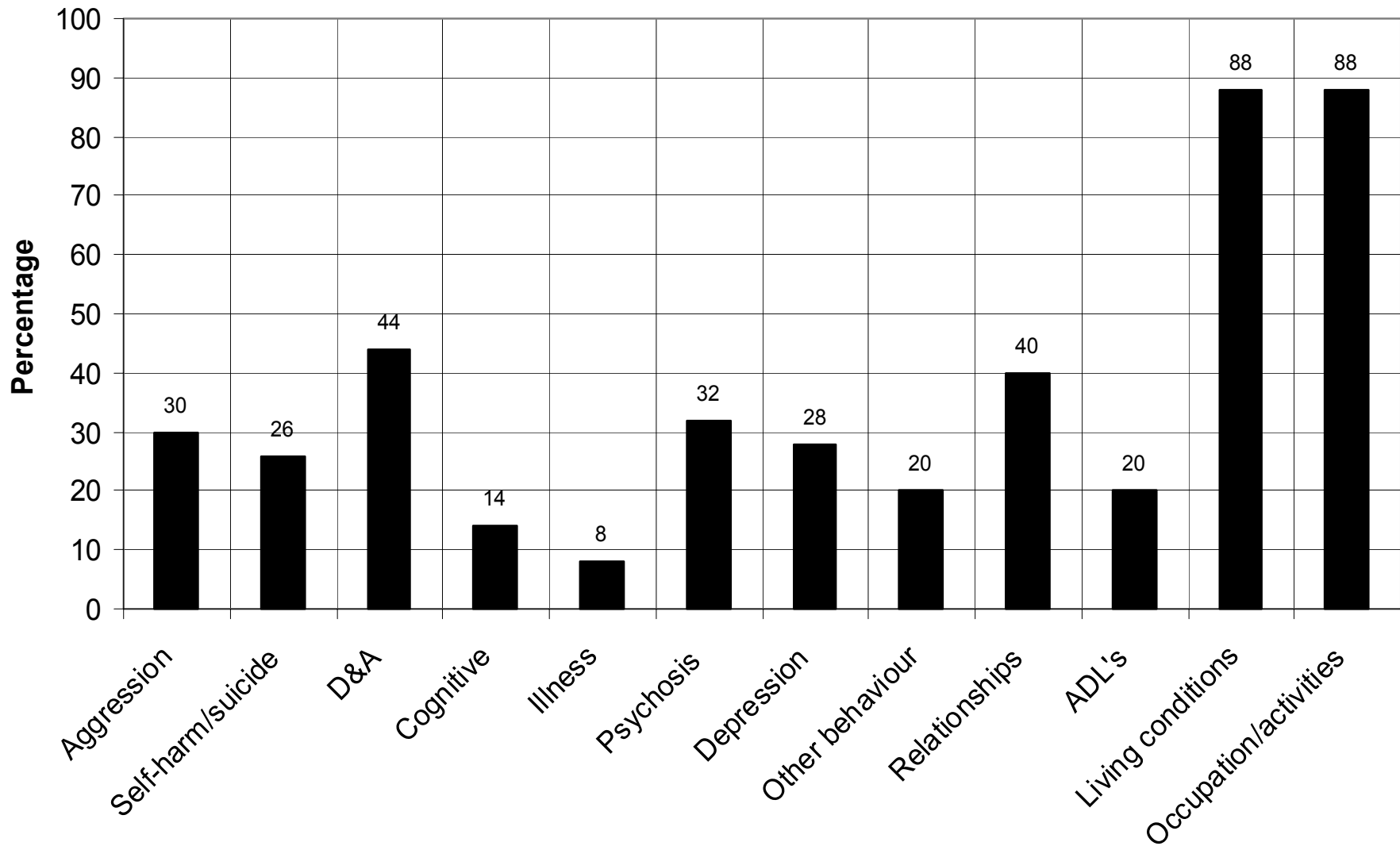
## Demographics

- 15% Female
- 85% Male
- 24.2% Females ATSI's
- 15.2 % Males ATSI's
- 7-8% Eligible for Early Psychosis
- Number of open service request between 20-25%

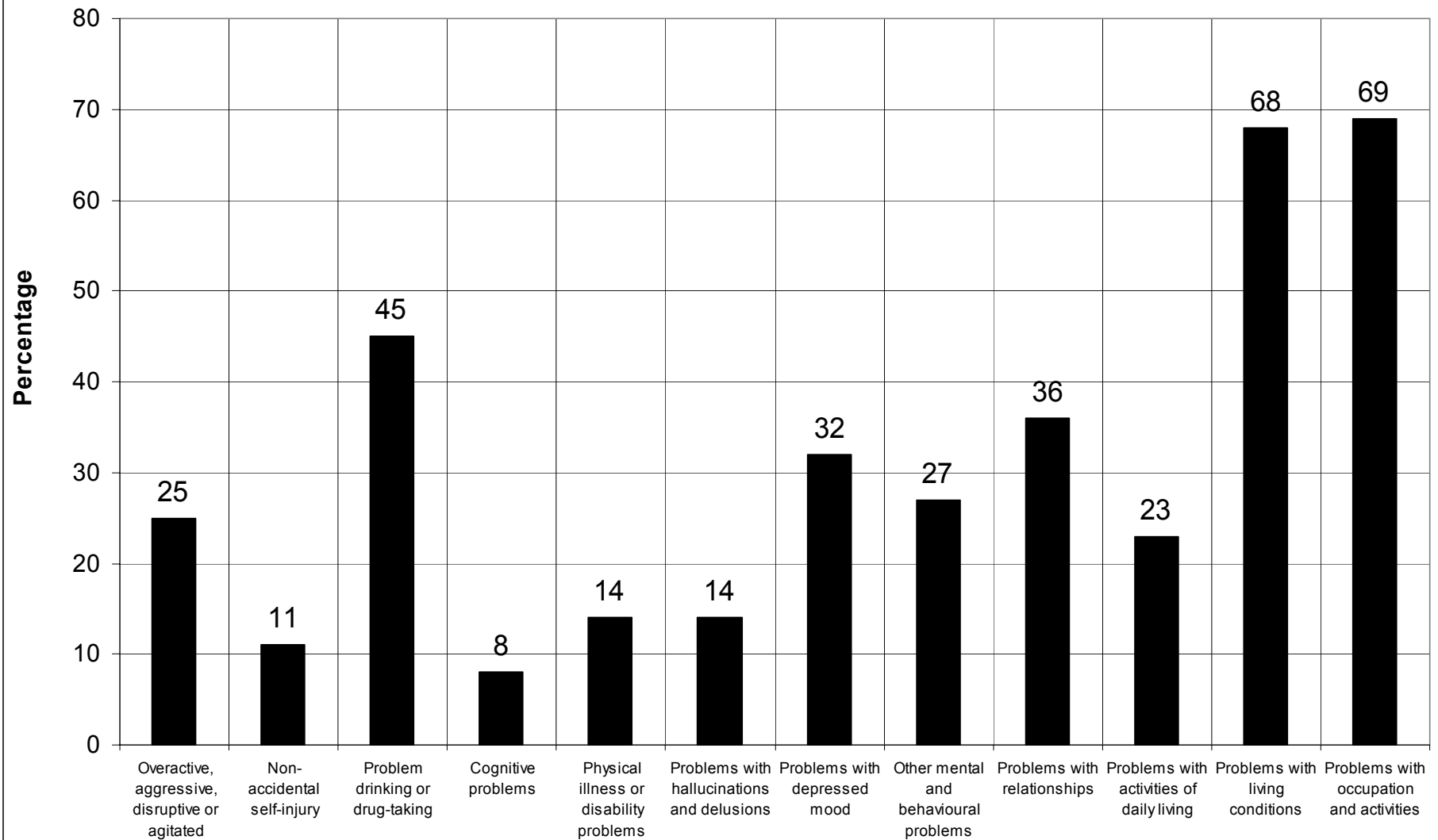
## Justice Health: Percentage of patients with clinically significant problems (ratings 2 or more) in the Court Liaison Service (n = 54)



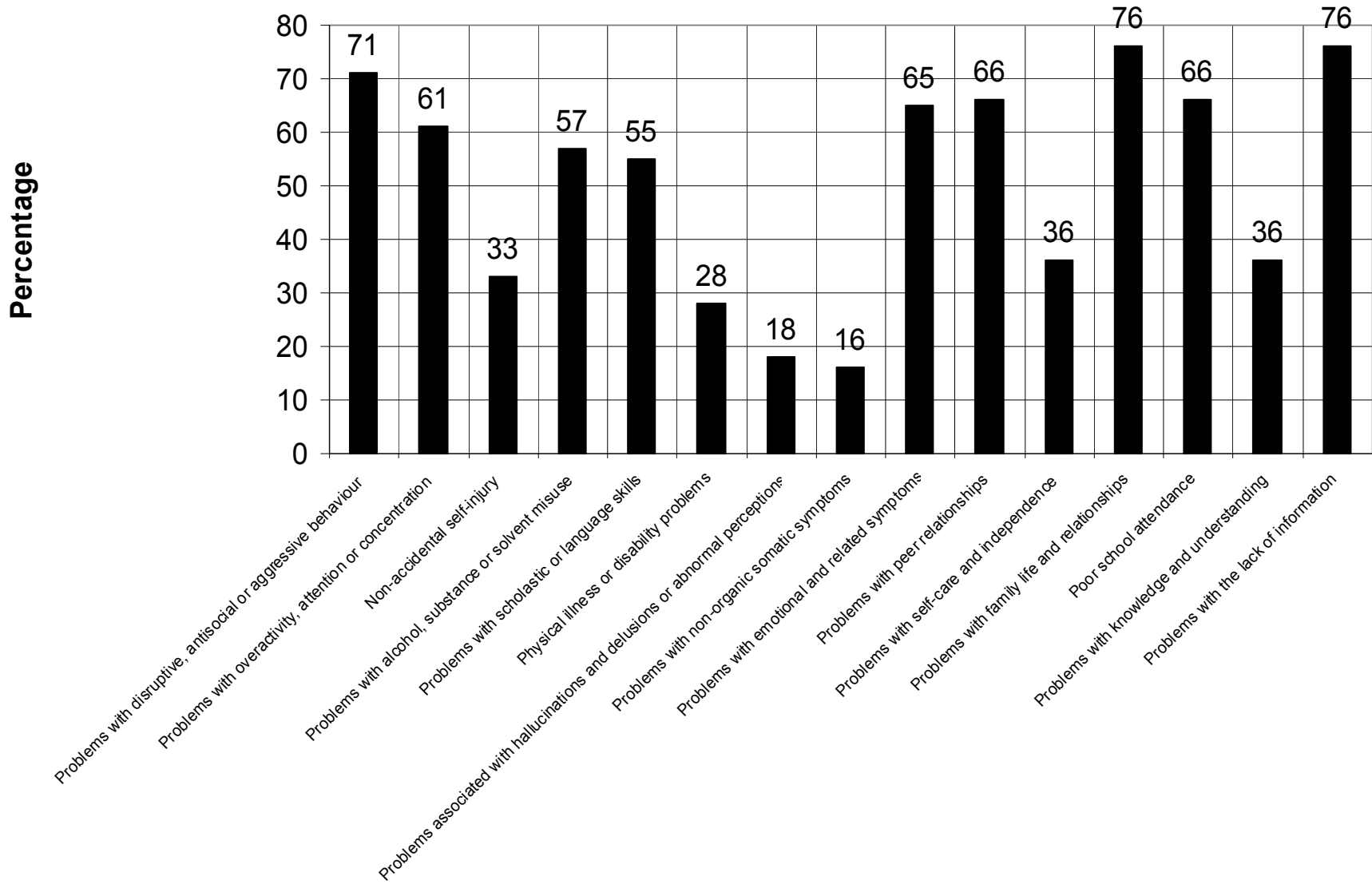
## Percentage of patients referred to Risk Assessment Intervention Team (RAIT) at the Metropolitan Reception and Remand Centre scoring 2 or more on each item of the Health of the Nation Outcome Scale (HoNOS)



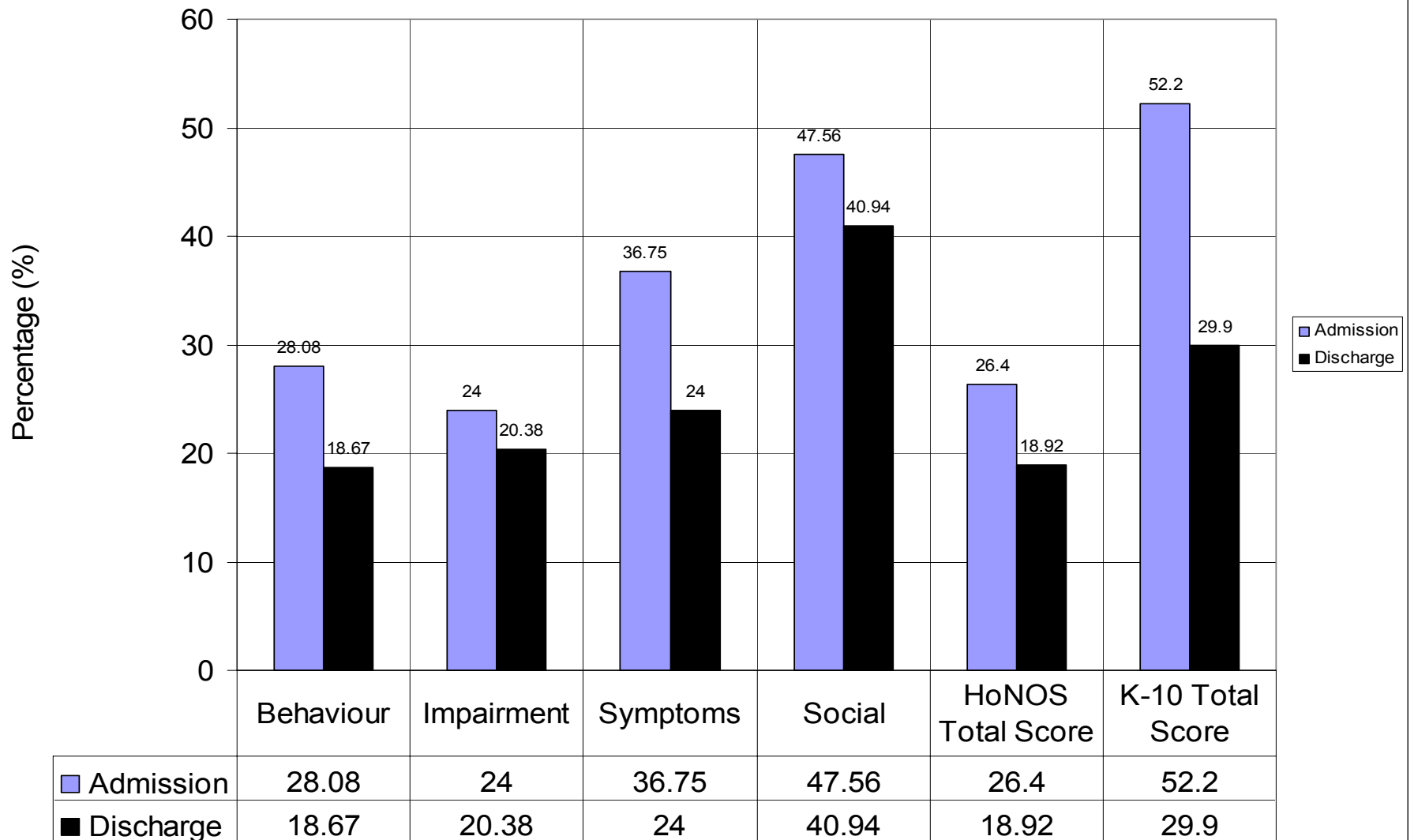
**Justice Health: October 2005 Percentage of patients with clinically significant problems (ratings 2 or more) in the ambulatory setting (n = 2722)**



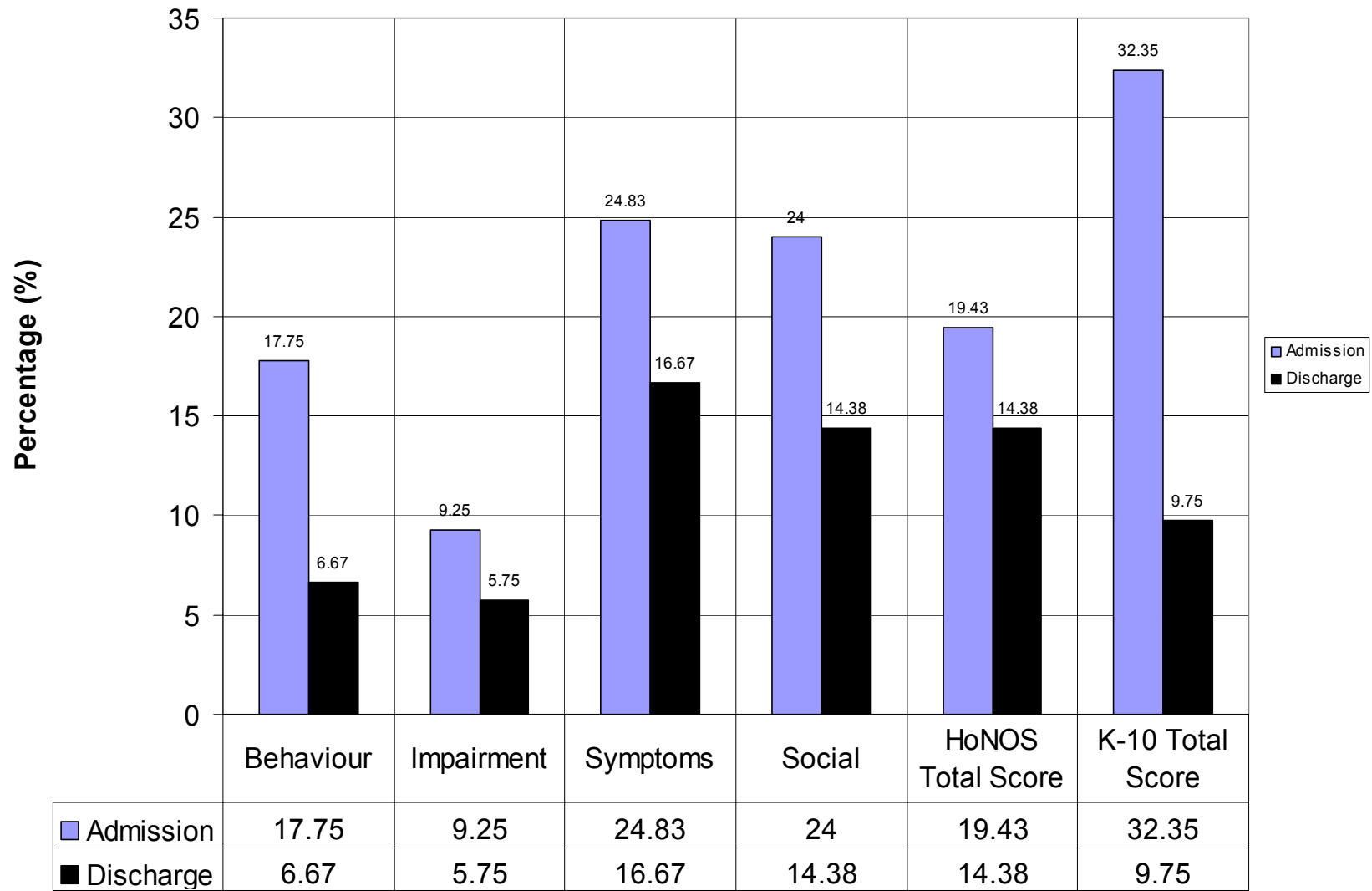
## Justice Health: Percentage of patients with clinically significant (ratings of 2 or more) in the adolescent service setting (n = 96)



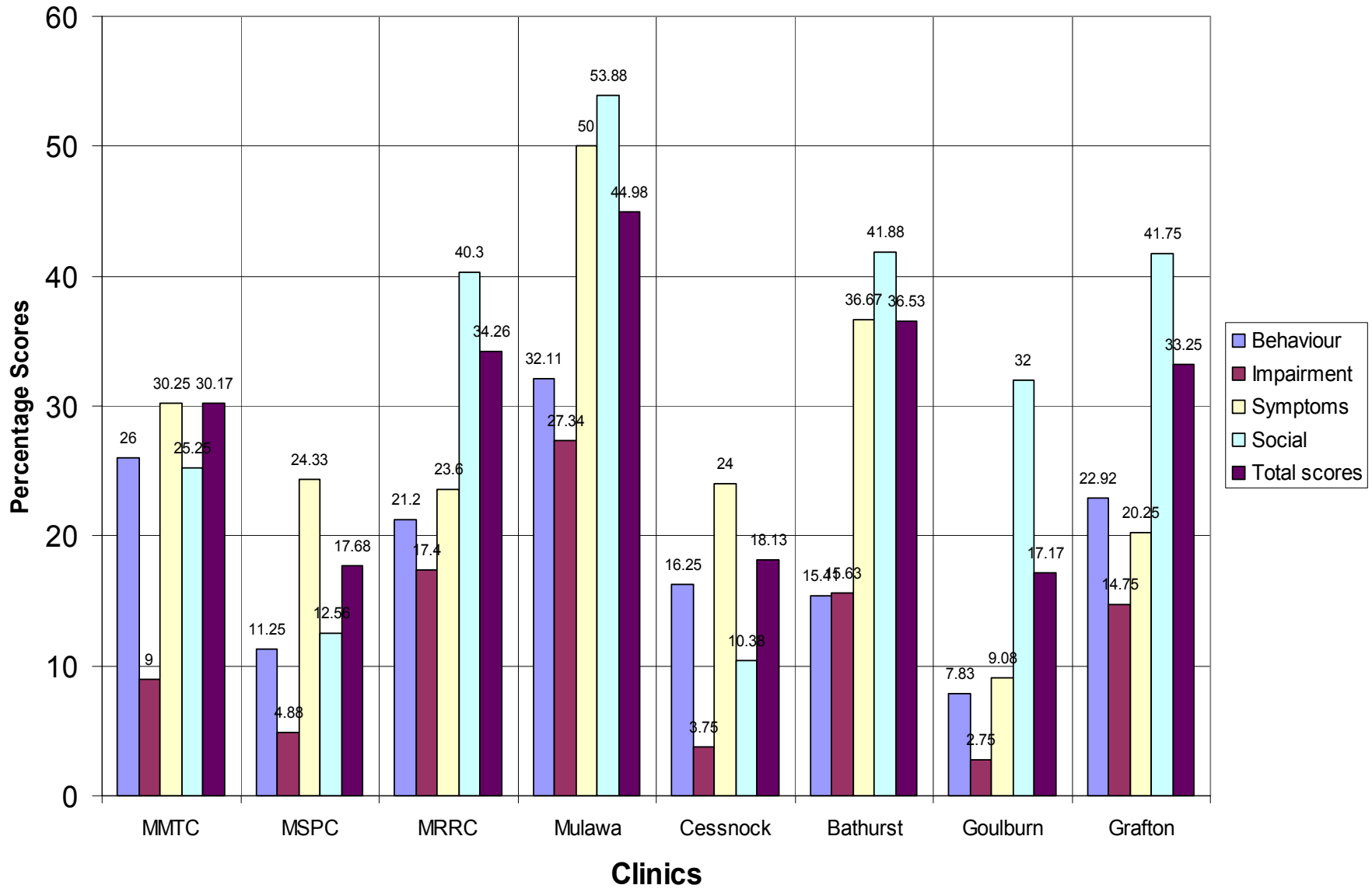
## Justice Health: Comparison of inpatient admission and discharge percentage HoNOS subscale and total scores and Kessler-10 self-ratings



## Justice Health: Comparison of ambulatory admission and discharge percentage HoNOS subscale and total scores and Kessler-10 self-ratings



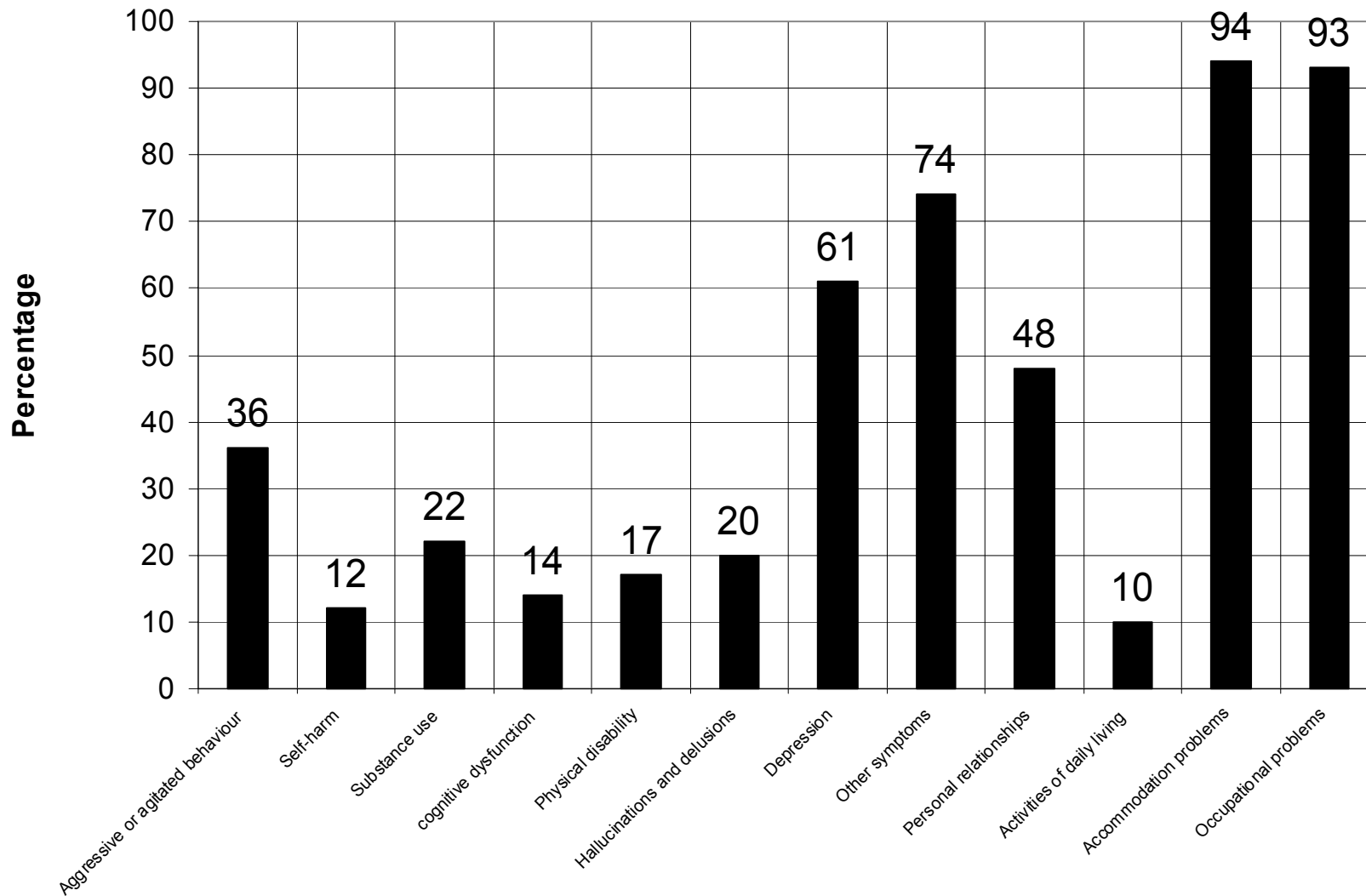
### Percentage HoNOS Subscale scores for patients in ambulatory settings



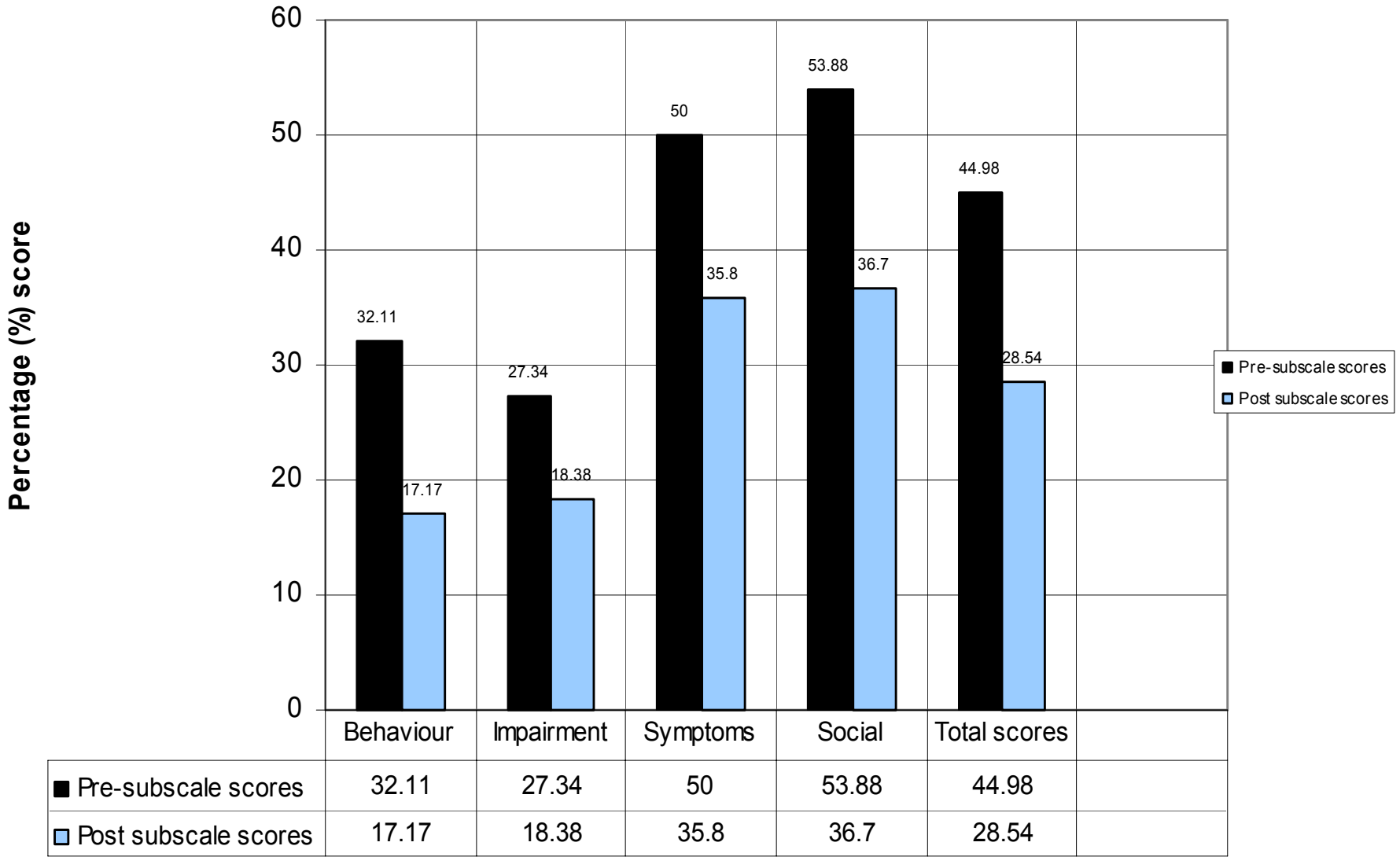
# Application of outcome measures

- 2. Women's Project

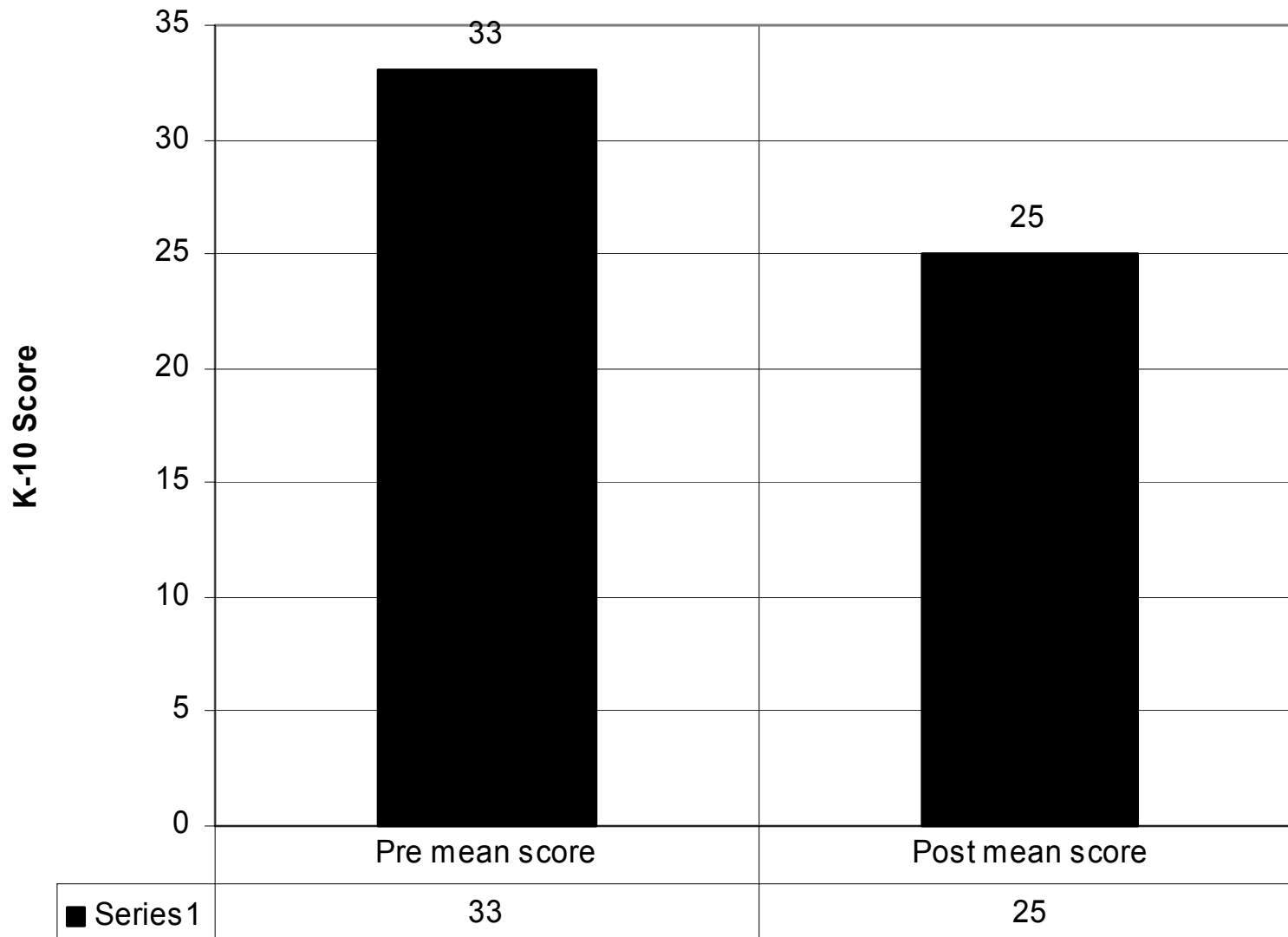
**Justice Health: Percentage of female inmates referred to Mental health Services at Mulawa CC with clinically significant problems (ratings of 2 or more) in the ambulatory setting (n = 209)**



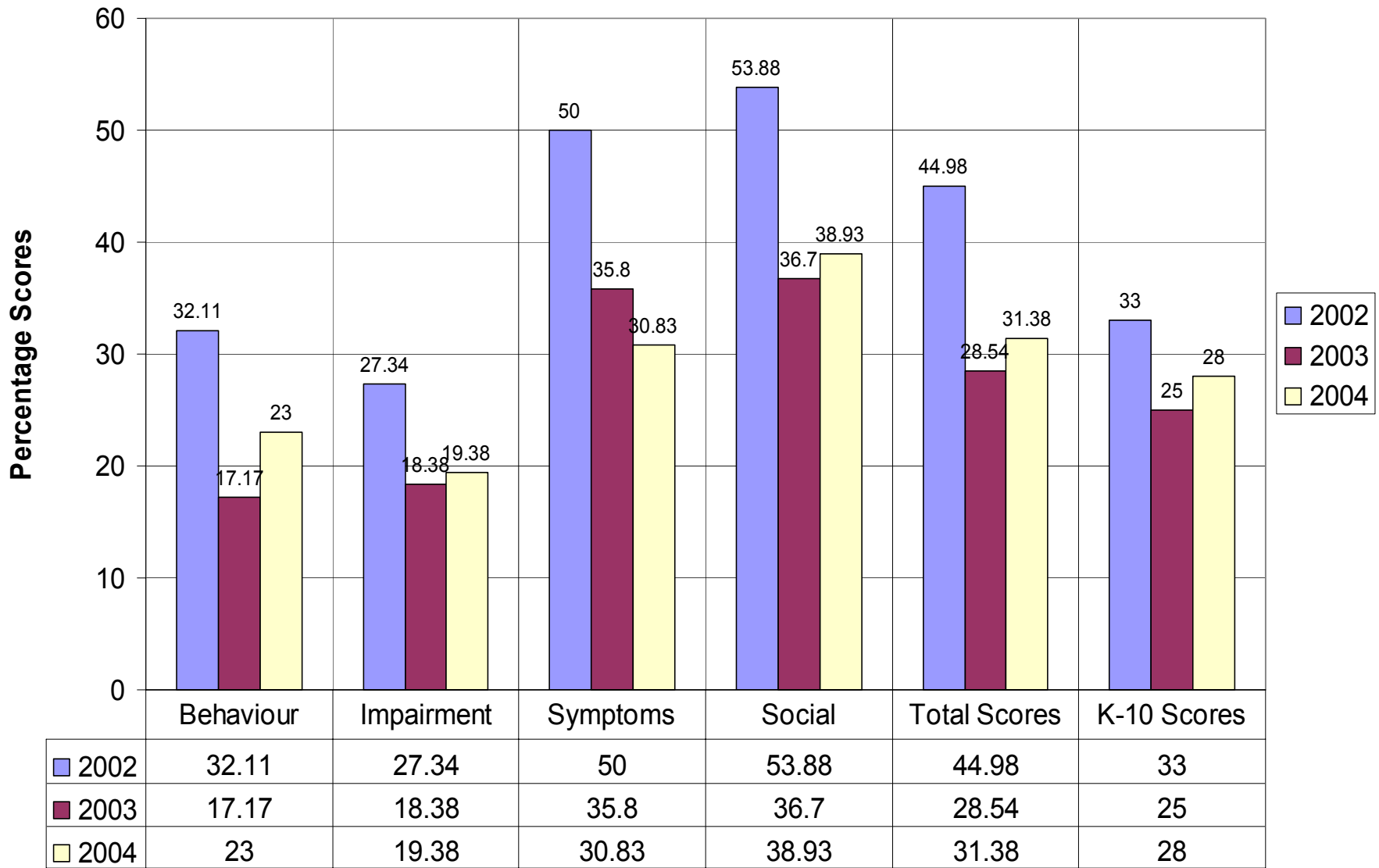
## Justice Health: HoNOS Subscale scores for Mulawa Correctional Centre pre and post the introduction of B Ward East



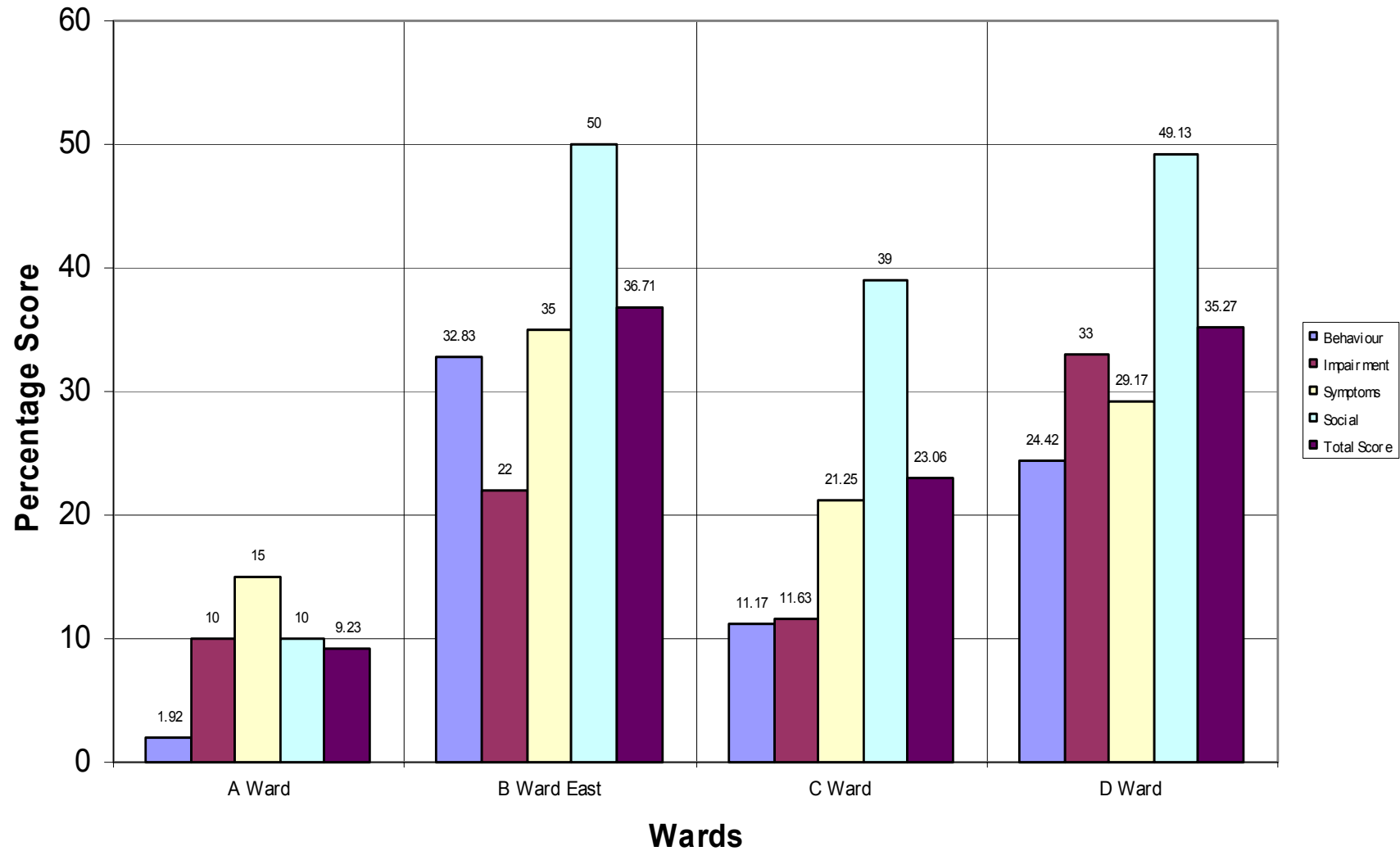
### Justice Health: Kessler-10 mean scores for Mulawa Correctional Centre pre and post the introduction of B Ward East



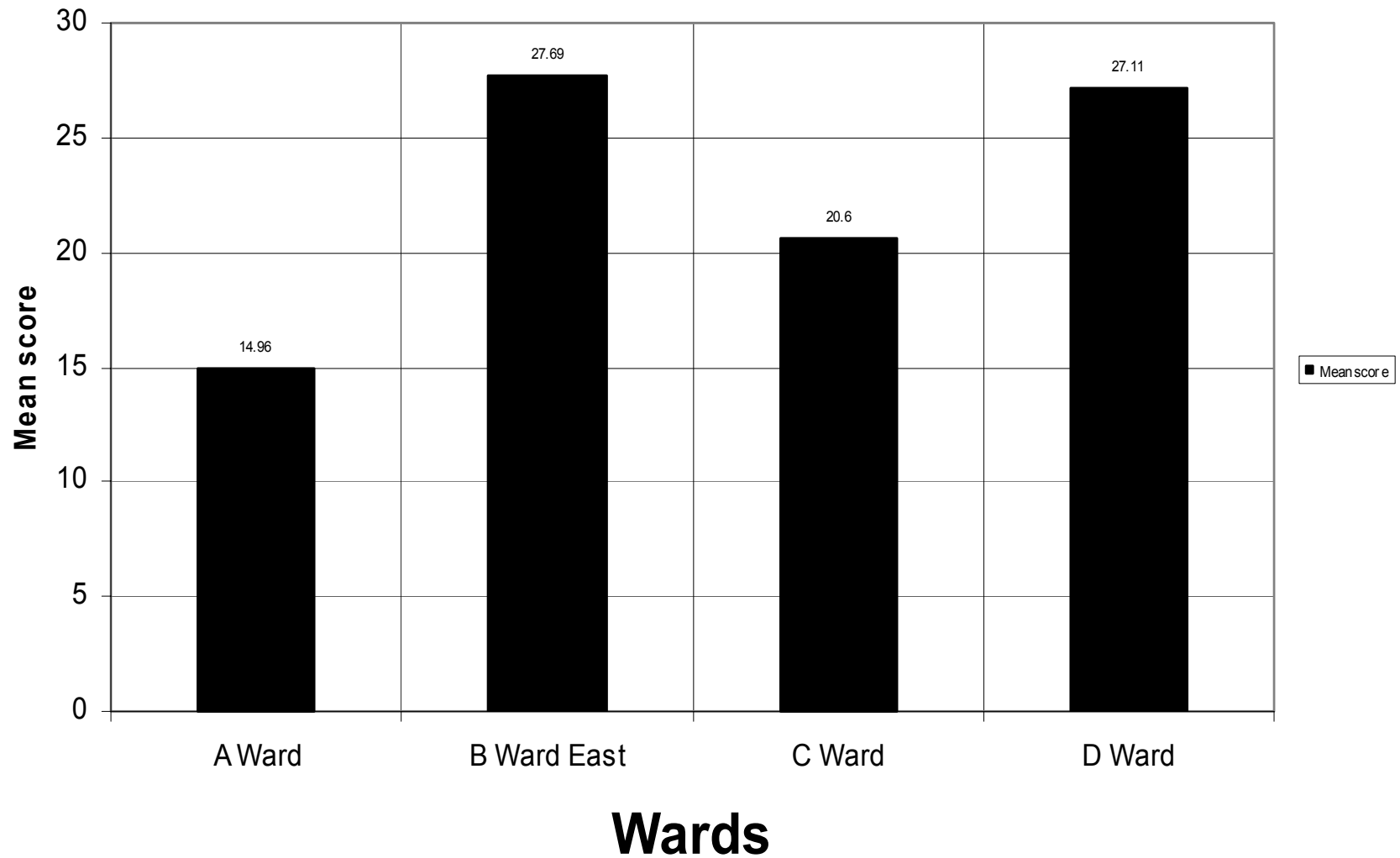
## Justice Health: Mulawa Correctional Centre: Mean HoNOS subscale and Kessler-10 scores for 2002, 2003 and 2004



## Justice Health: Percentage HoNOS Subscale Scores for A, B (East), C and D Wards Long Bay Hospital



### Justice Health: Mean Kessler-10 Scores for A, B (East), C and D Wards Long Bay Hospital



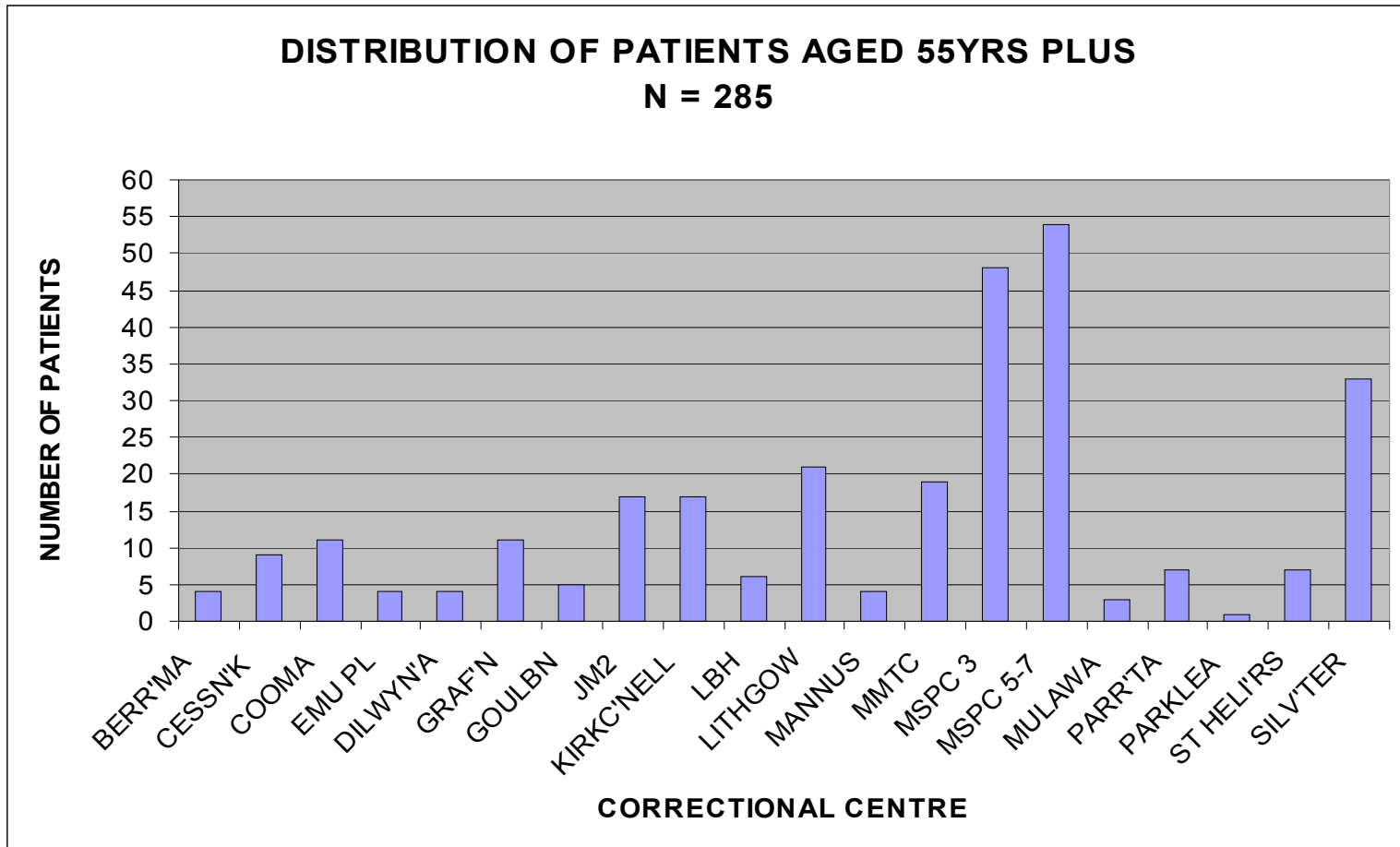
# Application of outcome measures

- 3. Aged Care Project

# Overview

- Increasing gaol population over the age of 55 years
- 5.1% aged 55 years or over
  - 21.9% born overseas
  - 17.7% CALD
- 1.1% aged 65 years or over
  - 32.2% born overseas
  - 28.9% CALD

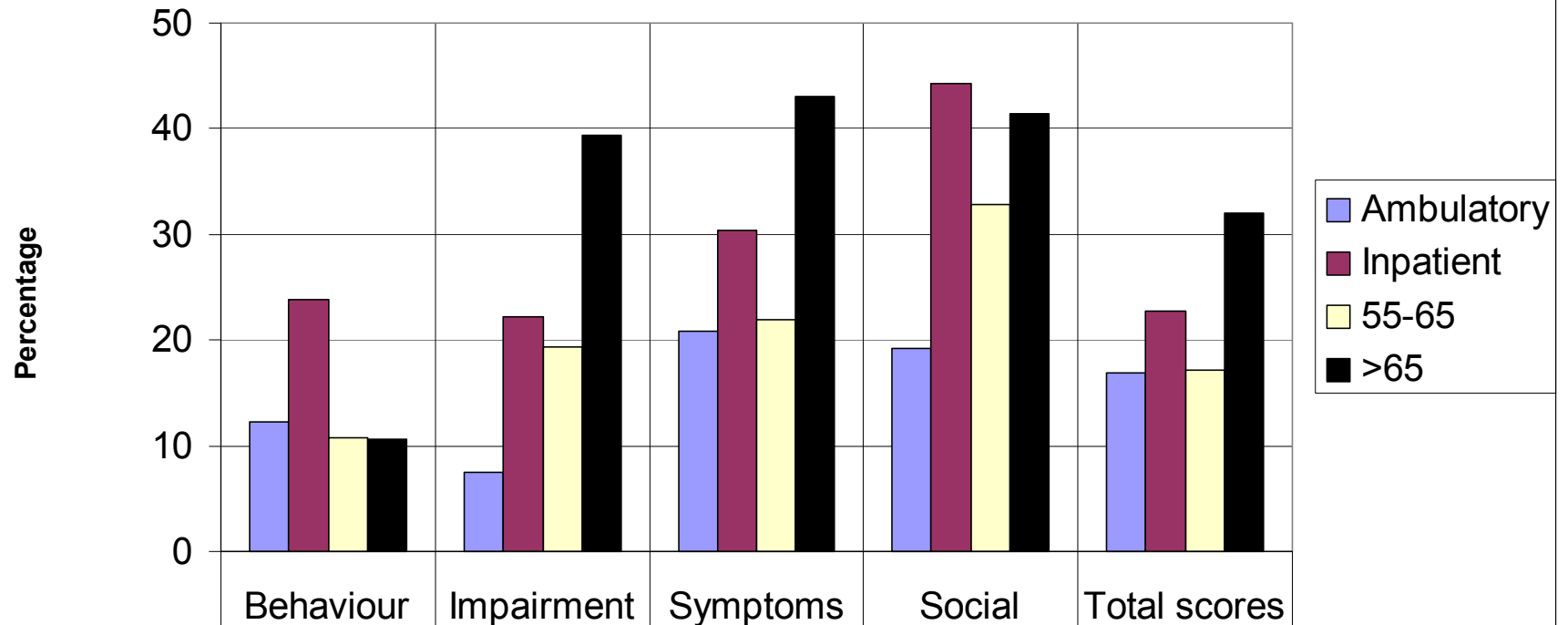
# Distribution of People Over the Age of 55



## Primary and secondary diagnoses for patients over 55 Years

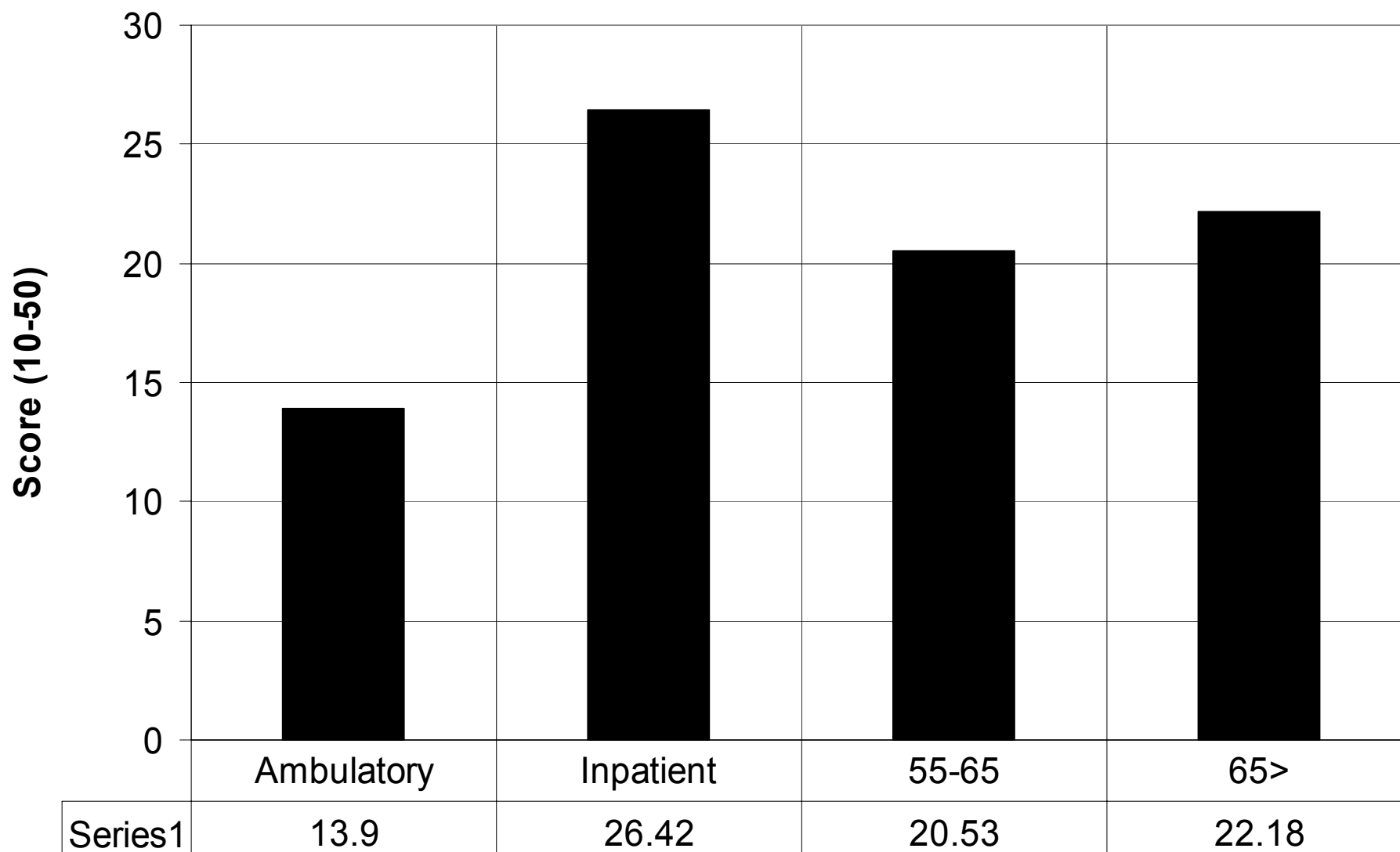
Diagnosis	%
Depressive disorders	23.61
Personality disorders	12.5
Psychotic disorders	9.72
Anxiety disorders	8.33
Alcohol-related disorders	5.56
Organic brain disorders	4.17
Drug-related disorders	2.78
Mild intellectual disability	1.39
Not yet allocated	31.94

## Comparison of mean HoNOS subscale percentage scores for all ambulatory and inpatient, individuals aged 55-65 and individuals aged 65 and over



Ambulatory	12.2	7.5	20.8	19.2	16.9
Inpatient	23.9	22.2	30.4	44.3	22.7
55-65	10.7	19.4	21.9	32.8	17.2
>65	10.6	39.4	43	41.4	32

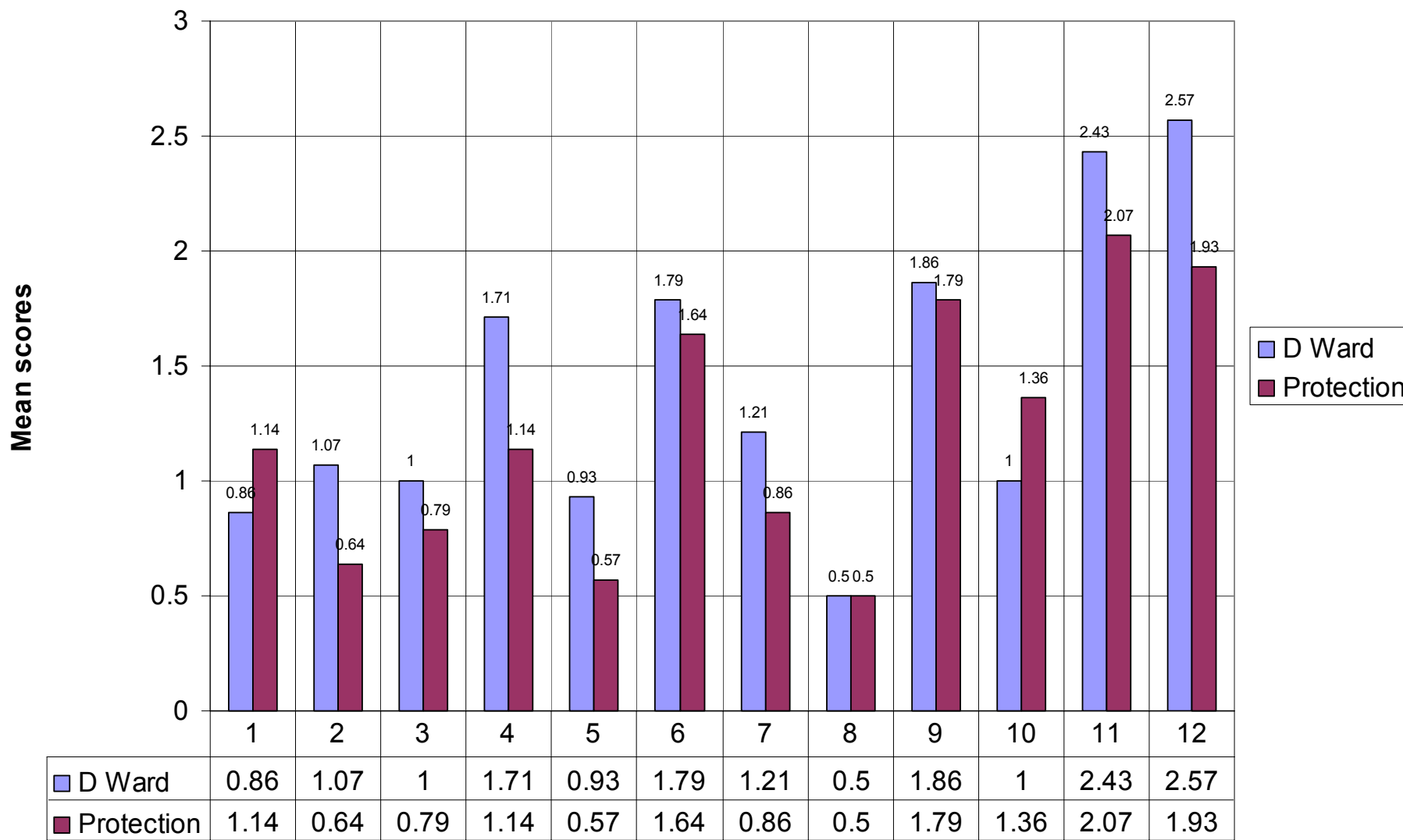
## Comparison of mean Kessler-10 scores for ambulatory, inpatient, individuals aged 55-65 and 65 years or older



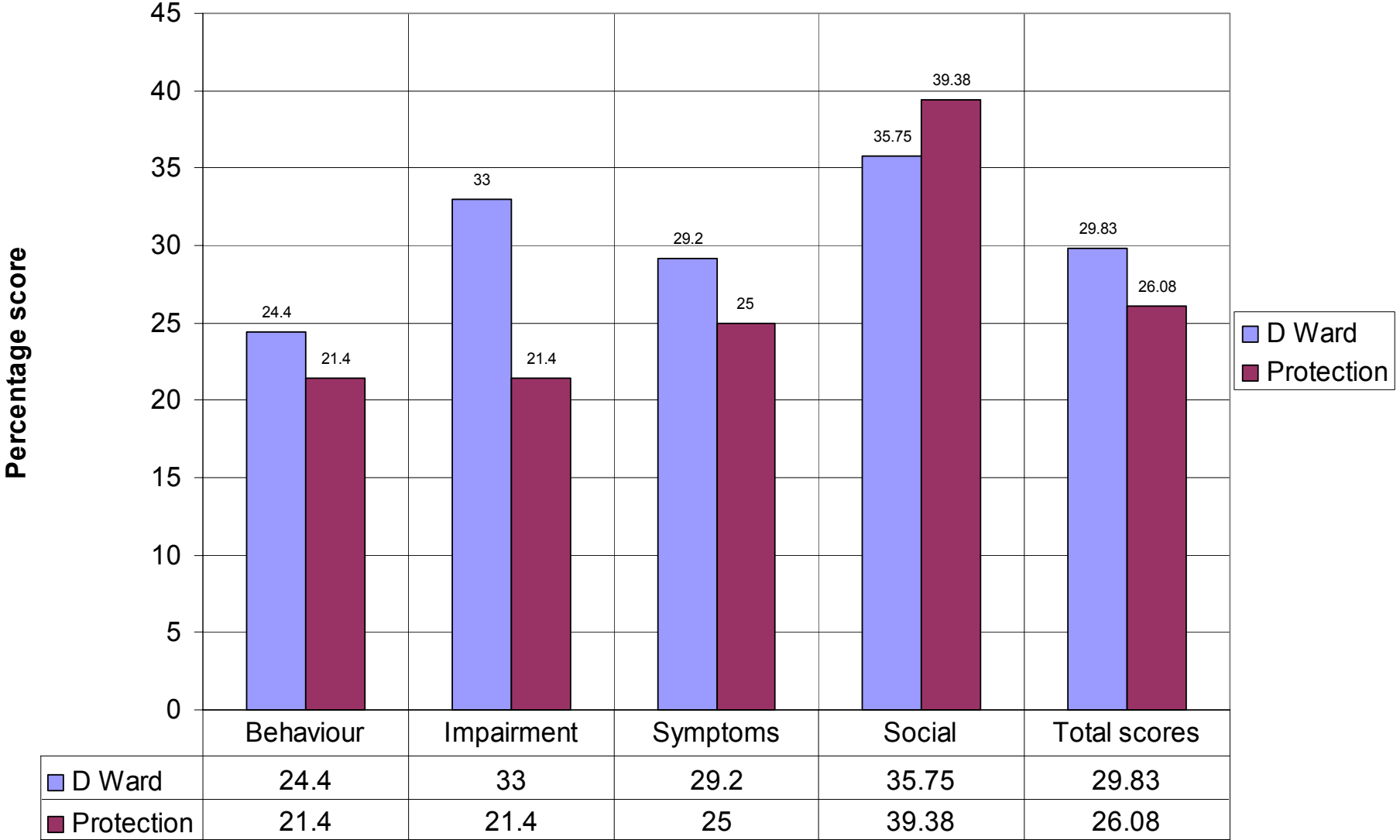
# Application of outcome measures

- 4. D Ward Protection Patients

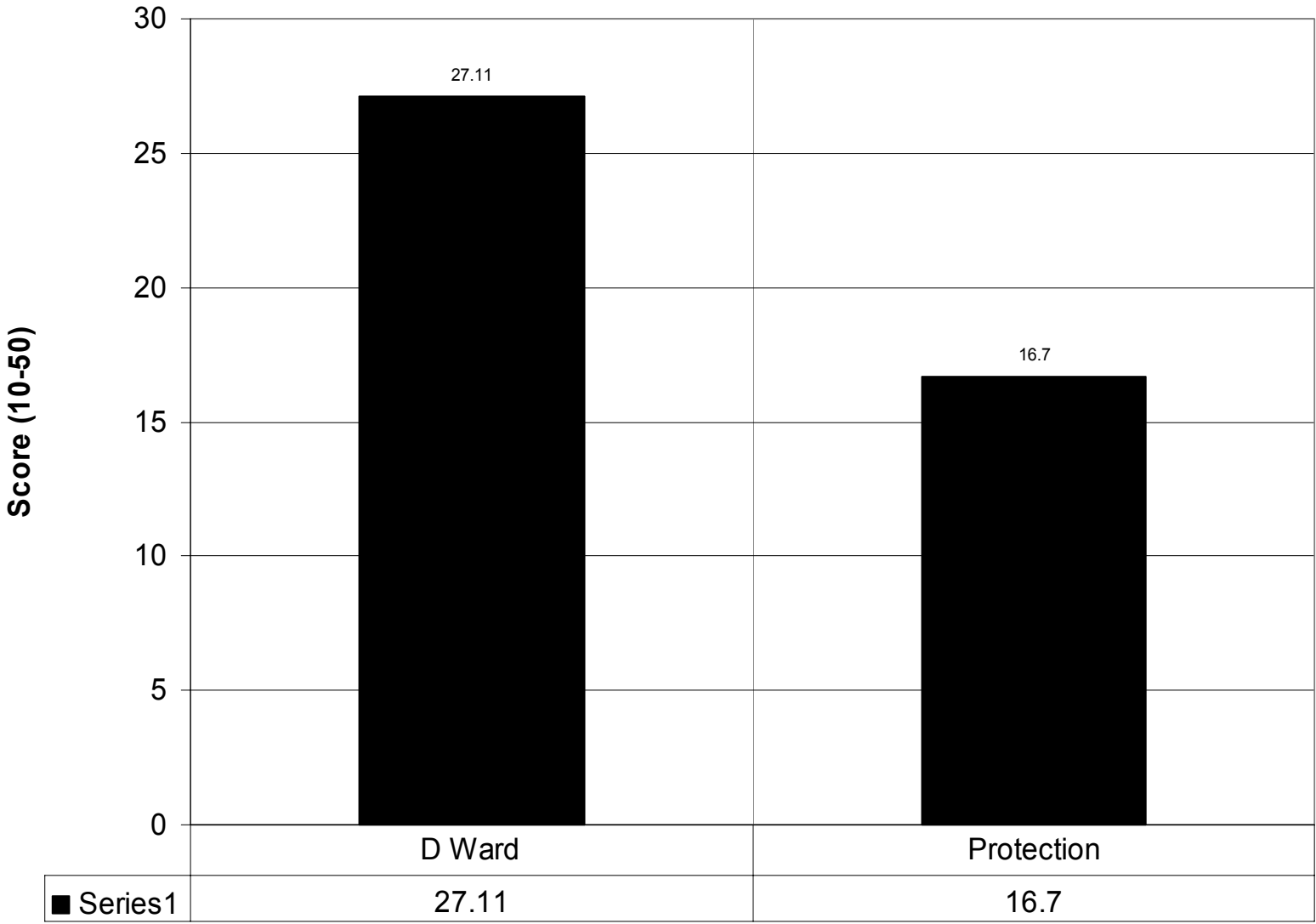
## Justice Health: Comparison of mean HoNOS scores for D Ward patients and patients in D Ward on protection



# Justice Health: Percentage HoNOS subscale scores for patients in D Ward and patients on protection in D Ward



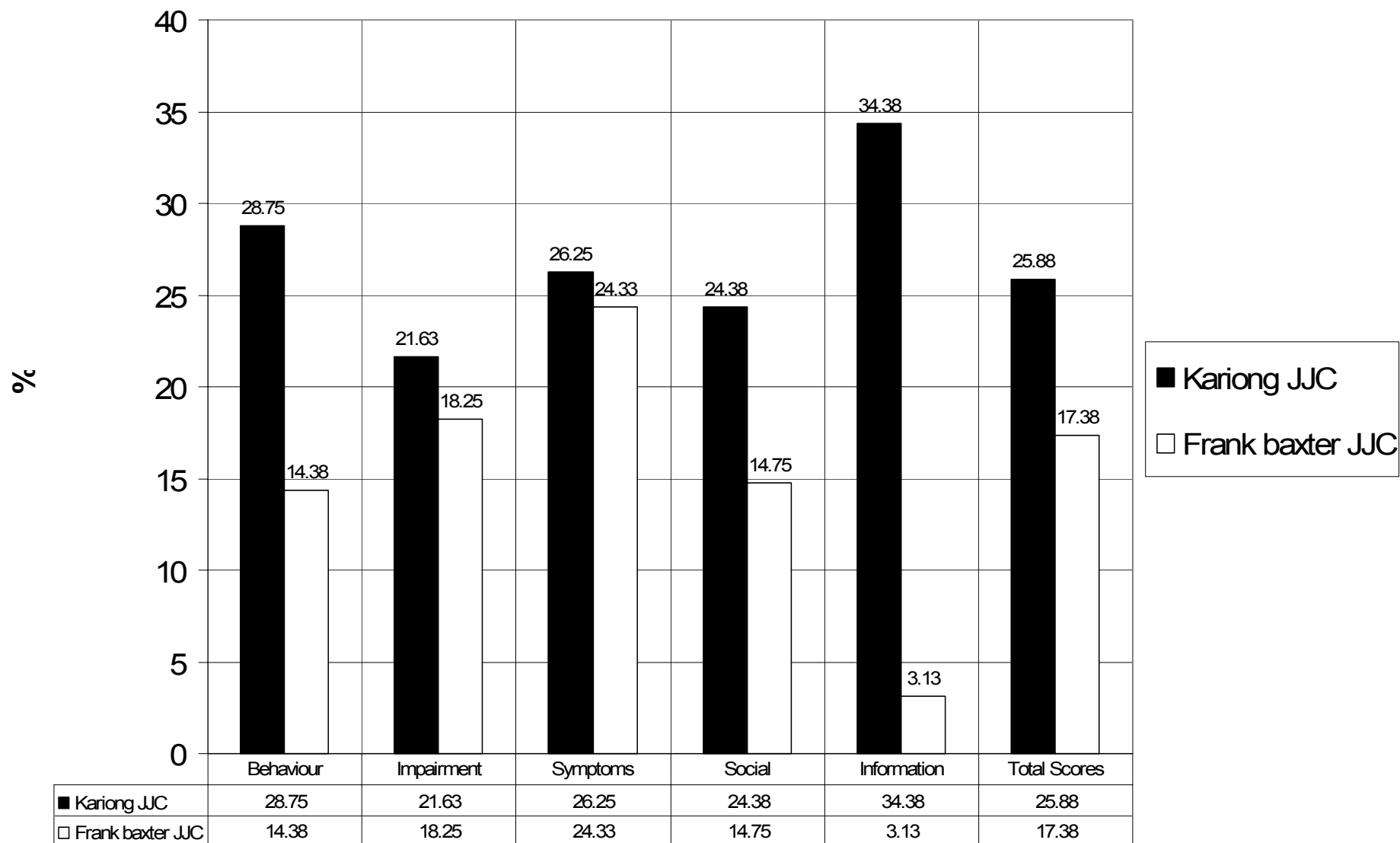
# Justice Health: Mean Kessler-10 scores for D Ward patients and for patients on protection in D Ward



# Application of outcome measures

- 5. Adolescent Services

## Justice Health: Comparison of HoNOSCA subscales from Kariong and Frank Baxter JJC's



## SDQ (Self-rated data) collected at Kariong JJC

	1	2	3	4	5	6	7	8	9	Mean
Conduct (10)	0	2	1	5*	2	6*	4	1	3	2.7*
Emotional (10)	2	2	3	6	1	1	6	0	2	2.6
Peer (10)	1	3	2	5	6*	4	7*	5	5	4.2*
Hyperactivity (10)	3	7*	6	6	4	6	5	5	5	5.2*
Prosocial (10)	8	6	9	4*	5	5	7	4*	4*	5.8*
Total difficulties (0- 40)	6	14	12	23	13	17	22	11	15	14.8

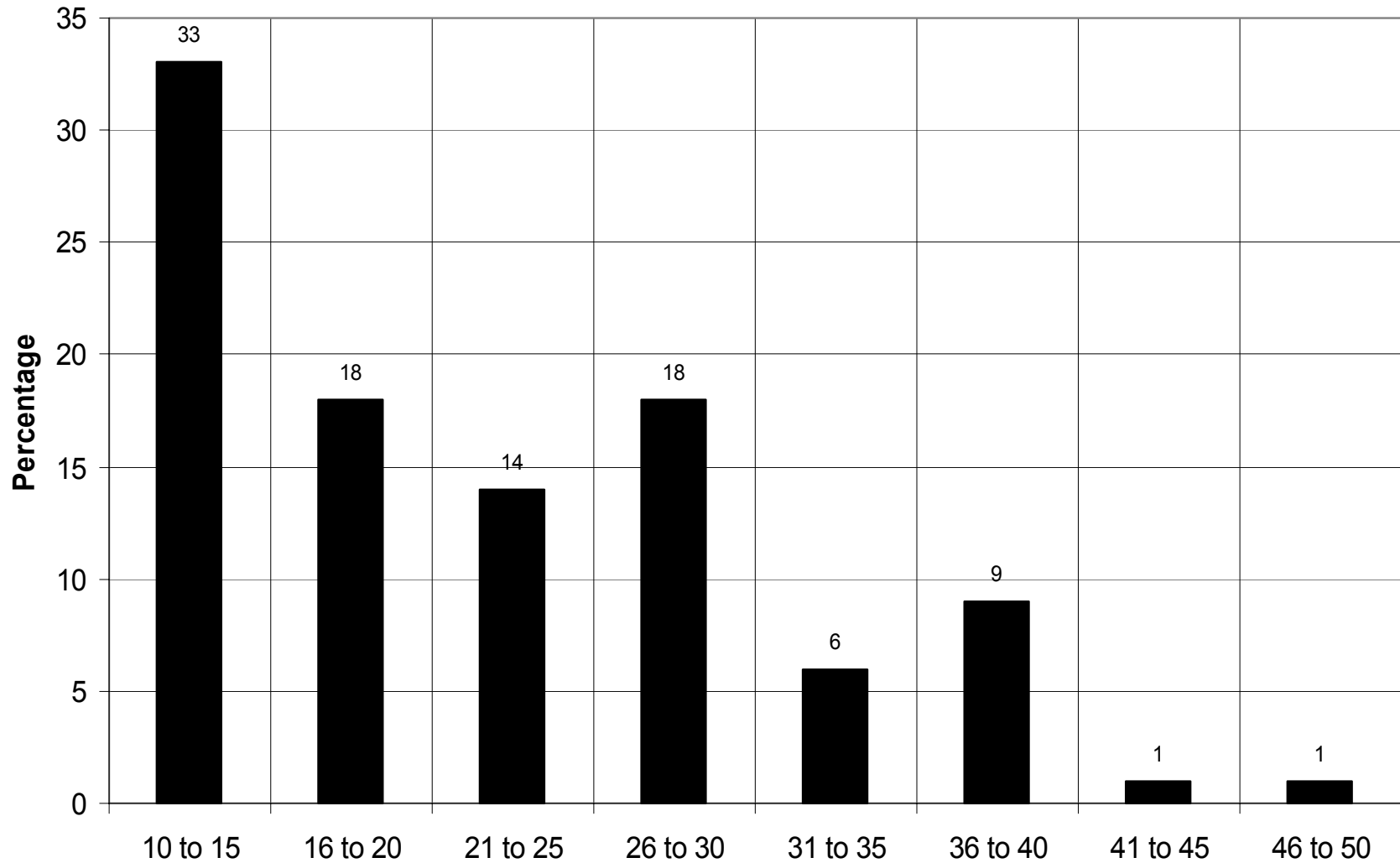
# Application of outcome measures

- 6. Kessler-10

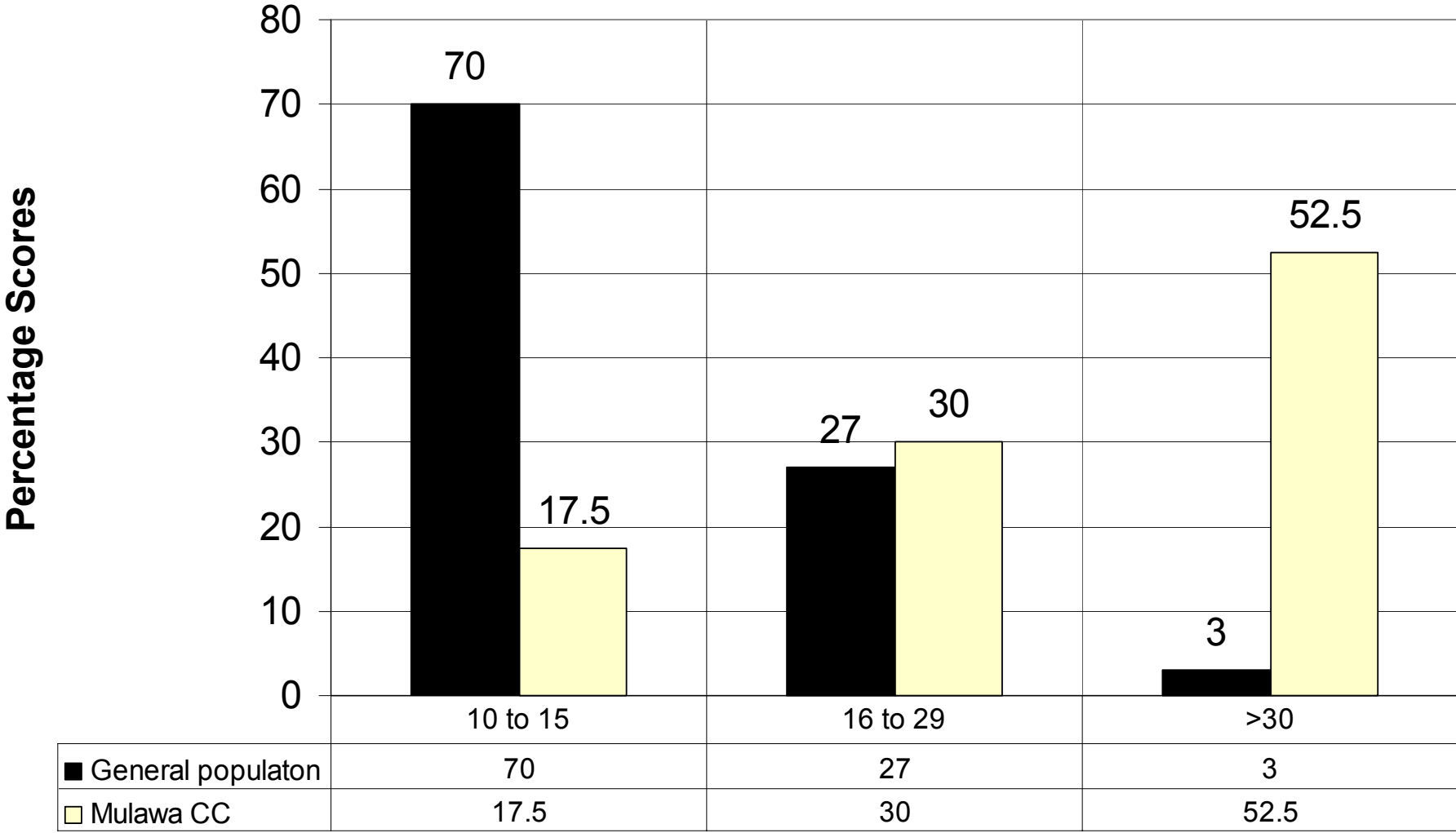
## K-10 as a screening tool

On reception to gaol any individual that scores 30 or more is automatically referred for Mental Health Assessment

### Percentage Kessler-10 scores for patients referred to Risk Assessment Intervention Team (RAIT) at the Metropolitan Reception and Remand Centre



**Justice Health: Comparison of mean Kessler-10 scores between inmates referred to mental health services at the Mulawa CC in 2005 and the community**



Thank-you

Questions