

PRIMHD summary report - HoNOS

Health of the Nation Outcomes Scales – working age adults report for New Zealand



This report summarises national Programme for the Integration of Mental Health Data (PRIMHD) data submitted by district health boards (DHBs). In particular, it presents Health of the National Outcomes Scale working aged adults (HoNOS) data, from services where HoNOS is the primary measure.

This report is organised into three major sections that provide information about:

1. **Outcomes related information:** This provides indications about what changes have occurred for service users between entering and leaving the service. Outcome is assessed by comparing the group admitted and the group discharged from the service in the same time period. This should provide a reasonable indication of outcomes achieved unless the service user mix has changed significantly over the usual period for which service is delivered.
2. **Service related information:** This provides information about the services, such as the overall severity of service users who use different services.
3. **Collection completion and validity:** This details the completeness of the data set provided by your mental health services. This is important because it indicates how valid and reliable the data sets are likely to be. The less complete the data set, the less valid the information is likely to be.

In many cases the data is presented graphically for New Zealand, and then presented as a table for the individual team types (see team type classification factsheet).

The time period covered differs for the different data presented. See the title or the notes under the graphs or tables for information about the time period covered. Unless otherwise stated, the notes under the graphs also apply to the corresponding table.

For all graphs and tables, if there are less than twenty cases in the data set, then the information is not presented. This is because small samples frequently provide inaccurate and potentially misleading results. See the notes and user guide for other important information about the graphs and tables.

Where appropriate, the statistical **confidence interval** is presented. This is shown by error bars (small lines above and below the average) on the graphs, and a score range in some tables. As a rule of thumb, if the confidence intervals of two data points do not overlap, the two points can be considered to be significantly different. If the confidence intervals of the data points do overlap, we assume the points are not significantly different. It is important to note that statistical significance may not indicate a clinically significant difference. **See the associated user guide for more information** about how to understand and use the data presented in this report.

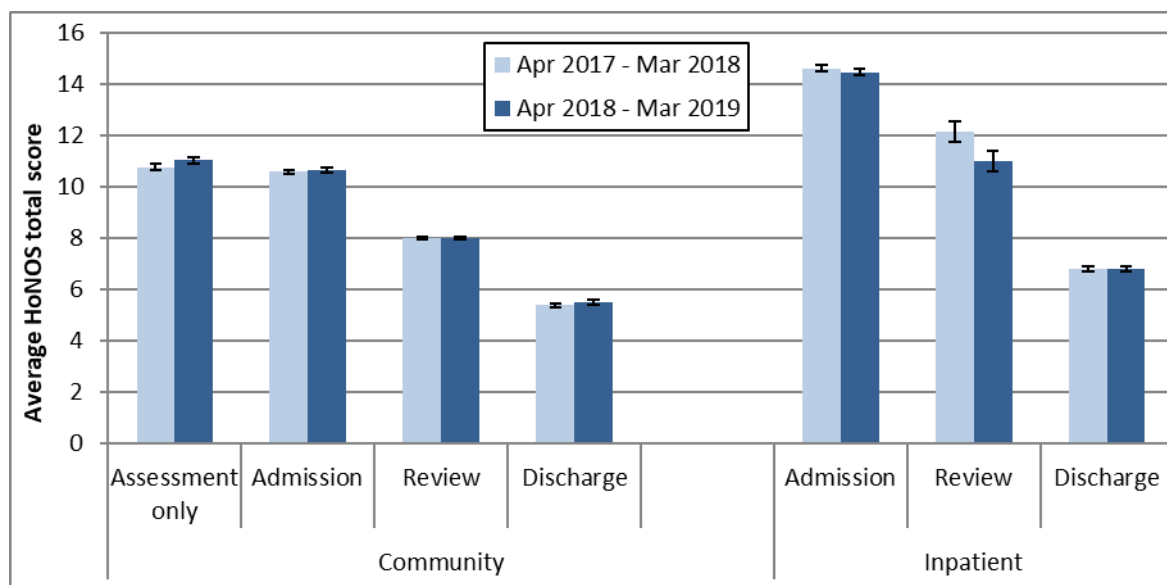
Data for graphs 11 and 12 was extracted 10 July 2019 from PRIMHD by the Ministry of Health and formatted by Te Pou. The data for graphs and tables 1 to 10 and 13 was extracted 9 July 2019 from PRIMHD by the Ministry of Health, then analysed and formatted by Te Pou.

Please note: For this period a few DHBs have incomplete data which will affect New Zealand totals.

1. Outcomes – changes in service user status

This section presents HoNOS data indicating the status of service users at different stages of their contact with DHB mental health services. Graph and Table 1 and 2 show results from HoNOS total scores. Graphs and Tables 3 to 5b show results related to the percentage of HoNOS items in the clinical range. Graph and Table 6 show results from the Index of Severity derived from HoNOS scores.

Graph 1: Average HoNOS total score (12 items) by collection type, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



Notes: Error bars indicate the confidence intervals around the data point. If error bars overlap the data points are not significantly different. Community discharge does not include discharge to an inpatient unit.

Interpretation: Decrease between admission and discharge is an indication of the outcomes achieved by the service user and service. The greater the decrease between admission and discharge, and the lower the average HoNOS score at discharge, the more positive the outcome.

Target: A greater decrease from admission to discharge and lower average rating at discharge.

Table 1: Average HoNOS total score (12 items), by collection type and team, New Zealand, Apr 2018 - Mar 2019

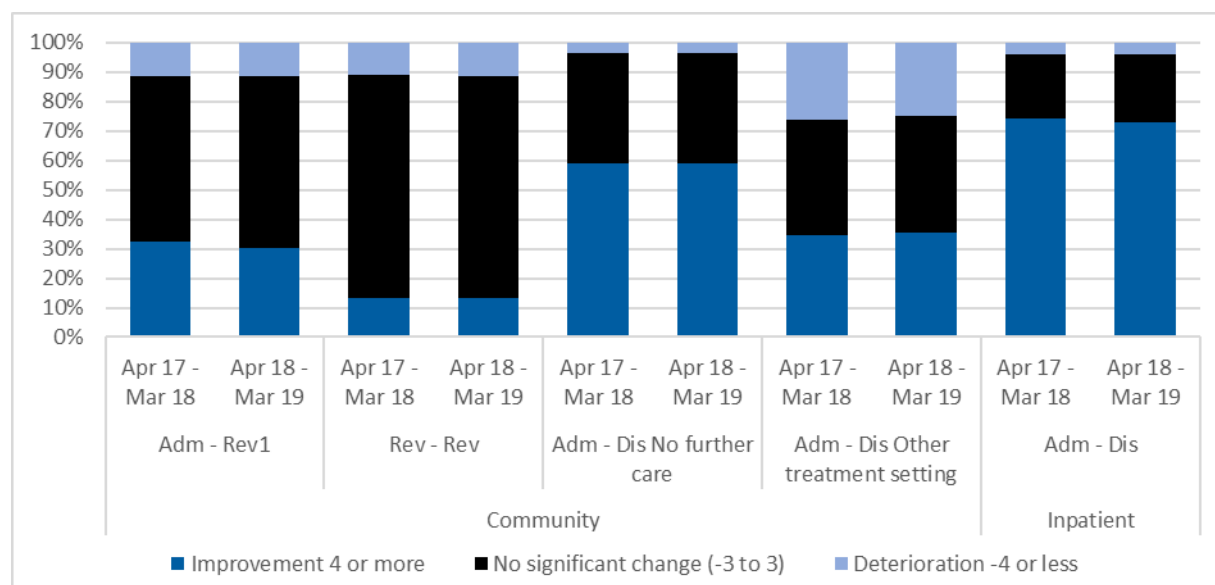
Team type	Assessment only			Admission			Review			Discharge		
	N	Mean	CI	N	Mean	CI	N	Mean	CI	N	Mean	CI
Community services												
Alcohol and drug team	430	11.8	11.3-12.4	622	10.4	10.0-10.8	829	6.6	6.2-6.9	307	5.3	4.7-5.8
Child and youth team	36	11.8	10.2-13.5	63	10.8	9.5-12.1	251	9.6	8.8-10.4	103	5.5	4.8-6.3
Co-existing problem team				23	15.2	12.7-17.6	28	9.9	7.5-12.3			
Community team	10,101	11.0	10.9-11.2	12,978	10.7	10.6-10.8	35,791	8.1	8.0-8.1	7,309	5.6	5.5-5.7
Early intervention team				324	10.2	9.5-10.8	1,227	8.3	7.9-8.6	121	5.8	4.9-6.6
Eating disorders team	44	10.3	9.0-11.6	288	11.1	10.5-11.7	339	10.5	9.8-11.2	169	5.6	4.9-6.2
Forensic team	46	9.5	6.9-12.1	101	10.9	9.8-12.0	119	8.5	7.6-9.3	141	6.3	5.5-7.0
Intellectual disability dual diagnosis team							37	11.6	9.8-13.5			
Kaupapa Māori team	275	12.2	11.6-12.9	531	11.0	10.5-11.6	2,876	8.3	8.1-8.5	271	7.0	6.3-7.7
Maternal mental health team	208	6.6	5.9-7.3	1,009	9.1	8.8-9.4	1,440	7.2	7.0-7.5	897	4.0	3.7-4.2
Older people team	28	10.5	7.9-13.1	102	12.7	11.5-13.9	174	10.9	10.1-11.7	47	10.5	9.0-12.0
Pacific people team				182	6.3	5.6-7.1	1,198	4.5	4.2-4.7	91	2.5	1.8-3.1
Specialty team	148	12.8	11.5-14.1	99	17.2	15.4-18.9						
Total	11,340	11.0	10.9-11.1	16,340	10.6	10.6-10.7	44,361	8.0	7.9-8.0	9,492	5.5	5.4-5.6

Team type	Assessment only			Admission			Review			Discharge		
	N	Mean	CI	N	Mean	CI	N	Mean	CI	N	Mean	CI
Inpatient services												
Alcohol and drug team				259	8.0	7.6-8.4				242	6.0	5.6-6.3
Eating disorders team				20	11.7	9.8-13.5						
Forensic team							96	13.1	11.9-14.2			
Inpatient team				8,827	14.7	14.6-14.8	1,137	10.8	10.4-11.2	8,393	6.8	6.7-6.9
Maternal mental health team				79	10.7	9.4-12.1				59	6.0	5.0-7.1
Older people team				37	13.9	11.1-16.6				39	10.8	8.5-13.2
Total				9,243	14.5	14.3-14.6	1,245	11.0	10.6-11.4	8,769	6.8	6.7-6.9

Notes: N = number of collections in period. Average = average HoNOS (12 item) score, CI = confidence interval for average score. Community discharge does not include discharges to an inpatient unit.

Interpretation: If confidence intervals for two scores do not overlap, then the scores are statistically significantly different. It is important to note that statistical significance may not indicate a clinically significant difference.

Graph 2: Difference in HoNOS total score (12 items) of matched pairs by pair type and setting, A DHB, Apr 2018 – Mar 2019

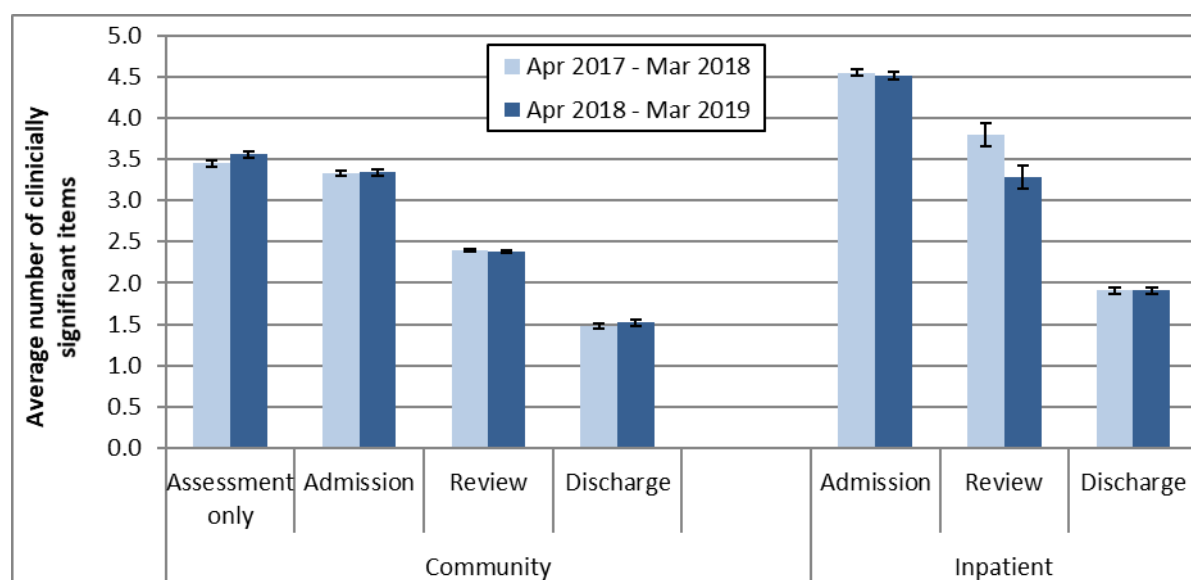


Notes: Shows the difference of the matched pair between the start and end HoNOS total score.

Interpretation: The graphs compare two time periods. Dark blue band indicates percentage improvement within the given time period, while black band indicates no significant change and light blue deterioration. Improvement = 4 or more, no significant change = -3 to 3 and deterioration = -4 or less.

Target: A greater percentage increase in improvement for both community and inpatient settings and a smaller percentage in deterioration.

Graph 3: Average number of clinically significant HoNOS items by collection type, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



Notes: Average number clinically significant items = the average number of items in the clinical range (2, 3 or 4) per collection. Community discharge does not include discharge to an inpatient unit.

Interpretation: Points are significantly different if error bars don't overlap. Decrease between admission and discharge is an indication of the outcomes achieved by the service and service user. A greater decrease between admission and discharge indicates a better outcome. Lower admission score could be indication of service users seeking out and being engaged by services at a lower level of severity.

Target: A greater decrease from admission to discharge and smaller percentage in clinical range at discharge.

Table 3: Average number of clinically significant HoNOS items by collection type and team, New Zealand, Apr 2018 - Mar 2019

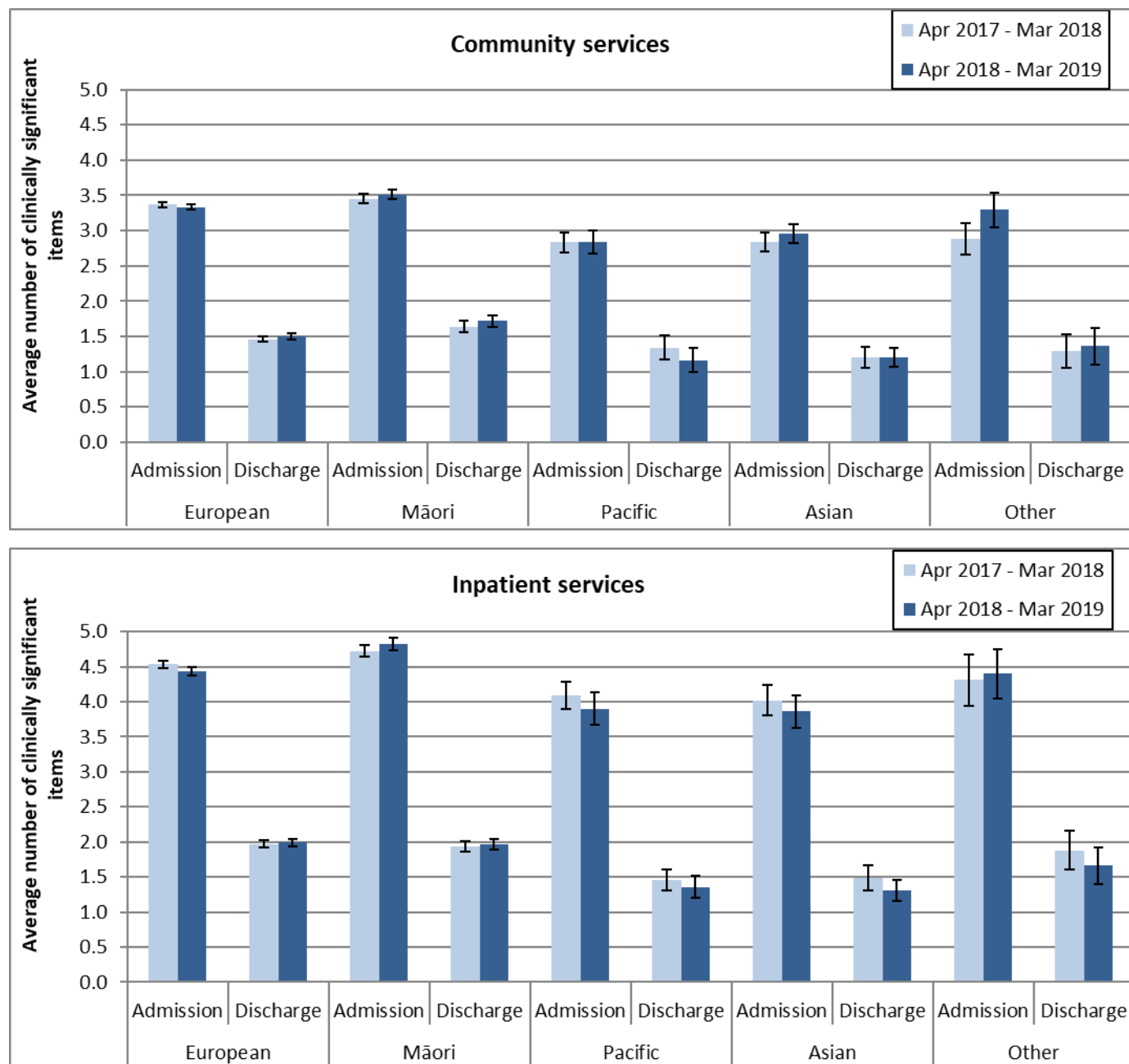
Team type	Assessment only			Admission			Review			Discharge		
	N	Mean	CI	N	Mean	CI	N	Mean	CI	N	Mean	CI
Community service												
Alcohol and drug team	430	3.8	3.6-4.0	622	3.3	3.1-3.4	829	1.9	1.8-2.0	307	1.5	1.3-1.7
Child and youth team	36	4.1	3.5-4.7	63	3.7	3.2-4.2	251	2.9	2.7-3.2	103	1.5	1.2-1.8
Co-existing problem team				23	4.7	3.7-5.6	28	3.0	2.1-3.9			
Community team	10,101	3.6	3.5-3.6	12,978	3.4	3.3-3.4	35,791	2.4	2.4-2.4	7,309	1.6	1.5-1.6
Early intervention team				324	3.0	2.8-3.2	1,227	2.5	2.3-2.6	121	1.6	1.3-2.0
Eating disorders team	44	3.5	2.9-4.0	288	3.5	3.2-3.7	339	3.3	3.0-3.5	169	1.6	1.3-1.8
Forensic team	46	2.6	1.9-3.4	101	2.9	2.5-3.2	119	2.3	2.0-2.6	141	1.4	1.2-1.6
Intellectual disability dual diagnosis team							37	3.9	3.2-4.5			
Kaupapa Māori team	275	4.0	3.7-4.2	531	3.4	3.2-3.6	2,876	2.5	2.4-2.5	271	1.9	1.7-2.2
Maternal mental health team	208	2.1	1.8-2.3	1,009	2.9	2.8-3.0	1,440	2.2	2.2-2.3	897	1.0	0.9-1.1
Older people team	28	3.2	2.4-4.0	102	4.1	3.6-4.5	174	3.4	3.1-3.7	47	3.2	2.7-3.7
Pacific people team				182	1.7	1.5-2.0	1,198	1.1	1.0-1.2	91	0.5	0.3-0.7
Specialty team	148	3.5	3.2-3.9	99	4.8	4.4-5.3						
Total	11,340	3.6	3.5-3.6	16,340	3.3	3.3-3.4	44,361	2.4	2.4-2.4	9,492	1.5	1.5-1.6

Team type	Assessment only			Admission			Review			Discharge		
	N	Mean	CI	N	Mean	CI	N	Mean	CI	N	Mean	CI
Inpatient services												
Alcohol and drug team				259	2.1	1.9-2.2				242	1.7	1.6-1.8
Eating disorders team				20	3.6	3.0-4.1						
Forensic team							96	4.2	3.7-4.7			
Inpatient team				8,827	4.6	4.5-4.6	1,137	3.2	3.1-3.4	8,393	1.9	1.9-2.0
Maternal mental health team				79	3.4	2.9-3.9				59	1.7	1.4-2.1
Older people team				37	4.2	3.3-5.1				39	3.4	2.6-4.2
Total				9,243	4.5	4.5-4.6	1,245	3.3	3.1-3.4	8,769	1.9	1.9-2.0

Notes: N = Number of collections in period. Average = average number of HoNOS items in the clinically significant range (ie scoring 2, 3, or 4), CI = confidence interval for average score. Community discharge does not include discharge to an inpatient unit.

Interpretation: If confidence intervals for two scores do not overlap, then the scores are statistically significantly different. Please note that statistical significance may not indicate a clinically significant difference.

Graph 4: Average number of clinically significant HoNOS items at admission and discharge by ethnic group, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019

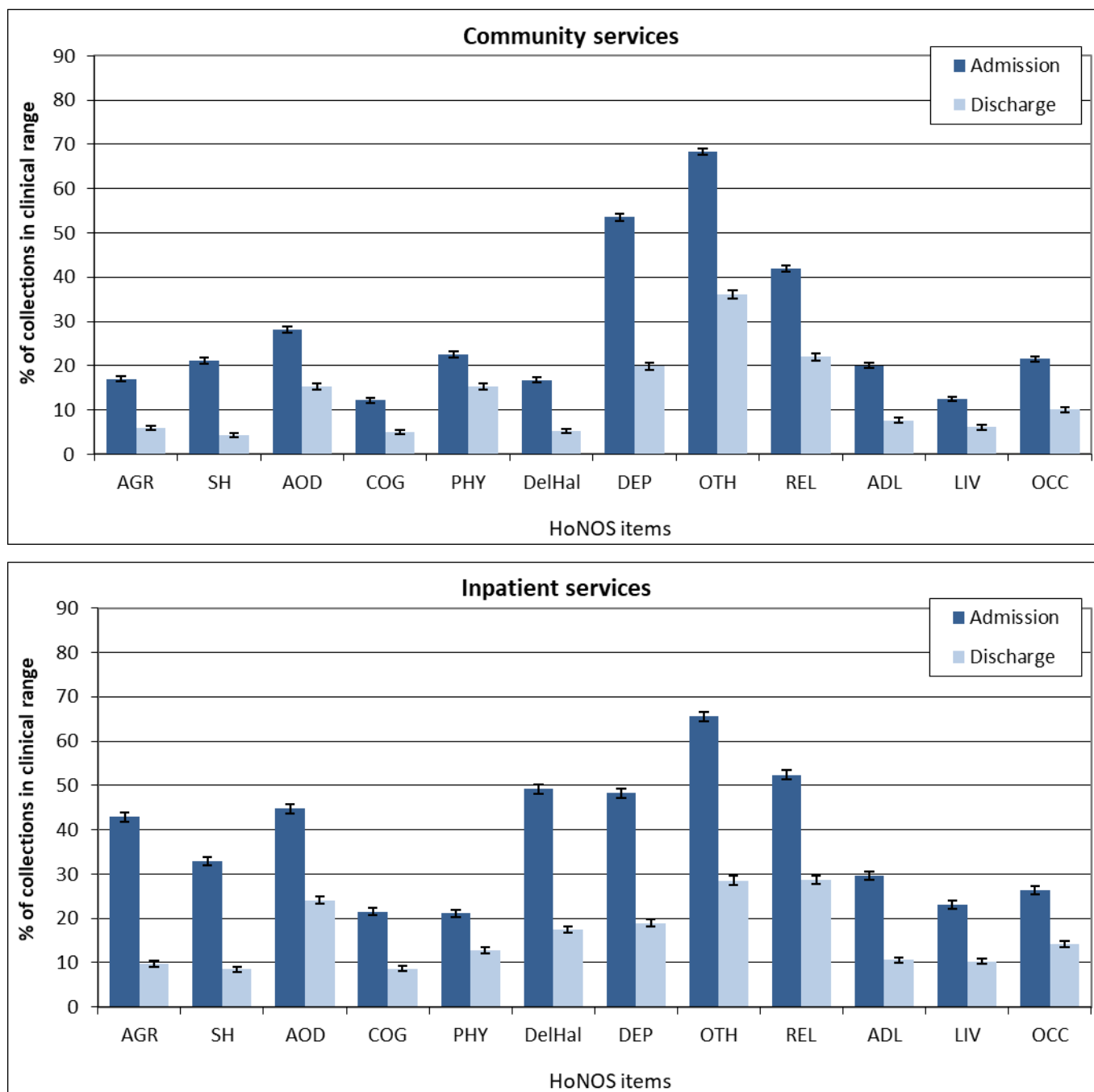


Notes: Average number of HoNOS items in the clinical range (2, 3 or 4). Community discharge does not include discharge to an inpatient unit.

Interpretation: Points are significantly different if error bars don't overlap. Decrease between admission and discharge is an indication of the outcomes achieved by the service and service user. A greater decrease between admission and discharge indicates a better outcome. A lower admission score could be indication of service users seeking out and being engaged by services at a lower level of acuity.

Target: A greater decrease from admission to discharge and smaller percentage in clinical range at discharge.

Graph 5a: Percentage of collections in clinical range on each HoNOS item, New Zealand, Apr 2018 - Mar 2019



Notes: Percentage of service users in the clinical range (2, 3 or 4) for each HoNOS item. Community discharge does not include discharge to an inpatient unit.

Interpretation: The longer the bar, the more prevalent the difficulty measured by the item is amongst service users. A greater decrease in the length of the bar from admission to discharge suggests a better outcome for the difficulty measured by the item. Items that show medium to high frequency and less change may suggest possible targets for service improvement.

Target: A greater decrease from admission to discharge and smaller percentage in clinical range at discharge.

Table 5a: Percentage of collections in clinical range on each HoNOS item (admission and discharge collections) by team, New Zealand, Apr 2018 - Mar 2019

Community services

First 6 HoNOS items														
Team type	N		AGR		SH		AOD		COG		PHY		DelHal	
	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch
Alcohol and drug team	622	307	16%	6%	13%	3%	88%	48%	8%	3%	24%	14%	3%	1%
Child and youth team	63	103	16%	3%	52%	7%	30%	12%	10%	6%	11%	12%	8%	6%
Co-existing problem team	23		57%		39%		65%		17%		17%		22%	
Community team	12,966	7,299	18%	6%	24%	5%	27%	16%	12%	5%	22%	16%	17%	6%
Early intervention team	324	121	14%	6%	11%	8%	25%	19%	19%	8%	9%	7%	49%	17%
Eating disorders team	288	169	9%	2%	13%	7%	13%	8%	15%	2%	41%	13%	11%	5%
Forensic team	101	141	13%	2%	9%	0%	37%	8%	14%	1%	9%	8%	7%	4%
Kaupapa Māori team	531	271	17%	11%	13%	6%	36%	30%	15%	6%	19%	13%	29%	10%
Maternal mental health team	1,009	897	12%	4%	8%	1%	4%	2%	4%	1%	23%	9%	2%	0%
Older people team	102	47	25%	13%	3%	0%	8%	0%	63%	79%	54%	57%	26%	4%
Pacific people team	182	91	5%	1%	3%	0%	18%	4%	6%	1%	12%	5%	25%	10%
Specialty team	99		23%		25%		29%		15%		70%		12%	
Total	16,324	9,477	17%	6%	21%	4%	28%	15%	12%	5%	23%	15%	17%	5%

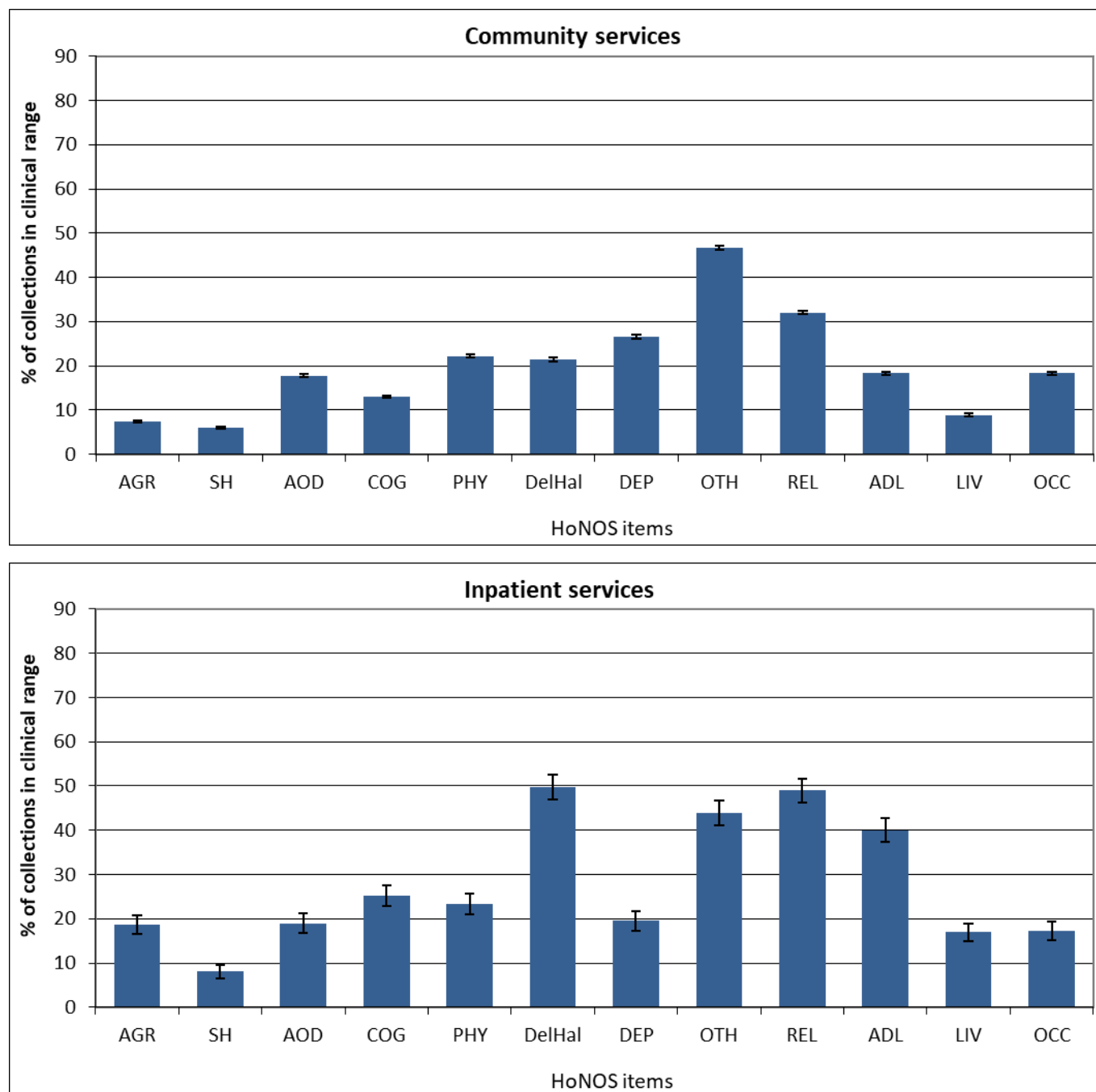
Second 6 HoNOS items												
Team type	DEP		OTH		REL		ADL		LIV		OCC	
	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch
Alcohol and drug team	36%	10%	50%	16%	44%	23%	14%	10%	12%	5%	23%	10%
Child and youth team	65%	17%	78%	43%	57%	27%	24%	10%	6%	4%	13%	6%
Co-existing problem team	50%		86%		65%		22%		0%		36%	
Community team	55%	21%	69%	37%	42%	23%	19%	8%	12%	6%	21%	10%
Early intervention team	29%	8%	54%	33%	39%	29%	26%	12%	11%	5%	16%	12%
Eating disorders team	54%	27%	98%	63%	34%	15%	34%	8%	7%	3%	17%	5%
Forensic team	12%	1%	27%	7%	23%	6%	8%	0%	68%	50%	65%	53%
Kaupapa Māori team	43%	24%	63%	34%	48%	28%	19%	10%	18%	11%	25%	10%
Maternal mental health team	73%	18%	85%	39%	37%	18%	19%	3%	10%	3%	15%	3%
Older people team	25%	15%	41%	19%	45%	45%	70%	68%	19%	11%	31%	13%
Pacific people team	20%	2%	27%	10%	32%	8%	9%	1%	7%	1%	8%	2%
Specialty team	35%		86%		44%		57%		27%		65%	
Total	54%	20%	68%	36%	42%	22%	20%	8%	12%	6%	21%	10%

Inpatient services

First 6 HoNOS items														
Team type	N		AGR		SH		AOD		COG		PHY		DelHal	
	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch
Alcohol and drug team	259	242	6%	9%	2%	0%	100%	97%	2%	6%	25%	19%	1%	1%
Eating disorders team	20		5%		15%		15%		10%		50%		5%	
Inpatient team	8,814	8,390	44%	10%	34%	9%	44%	22%	22%	9%	21%	13%	51%	18%
Maternal mental health team	79	59	22%	8%	29%	7%	11%	3%	8%	3%	16%	3%	13%	2%
Older people team	37	39	27%	18%	8%	0%	14%	5%	59%	62%	51%	33%	20%	36%
Total	9,230	8,766	43%	10%	33%	8%	45%	24%	22%	9%	21%	13%	49%	17%
Second 6 HoNOS items														
Team type	DEP		OTH		REL		ADL		LIV		OCC			
	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch	Adm	Disch		
Alcohol and drug team	39%	18%	17%	12%	6%	4%	3%	1%	12%	4%	8%	0%		
Eating disorders team	85%		100%		32%		30%		5%		5%			
Inpatient team	48%	19%	67%	29%	54%	29%	30%	11%	23%	10%	27%	14%		
Maternal mental health team	72%	37%	82%	67%	48%	34%	27%	3%	6%	7%	6%	0%		
Older people team	27%	10%	33%	21%	57%	53%	49%	56%	41%	27%	44%	28%		
Total	48%	19%	66%	29%	52%	29%	30%	11%	23%	10%	26%	14%		

Notes: Percentage of service users in the clinical range (2, 3 or 4) for each HoNOS item. Community discharge does not include discharge to an inpatient unit. **Interpretation:** The higher the percentage, the more prevalent the difficulty measured by the item is amongst service users. A greater decrease between admission to discharge suggests a better outcome for the difficulty measured by the item. Items that show medium to high frequency and less change may suggest possible targets for service improvement. **Target:** A greater decrease from admission to discharge and smaller percentage in clinical range at discharge.

Graph 5b: Percentage of collections in clinical range on each HoNOS item (review collections), New Zealand, Apr 2018 - Mar 2019



Notes: Percentage of service users in the clinical range (2, 3 or 4) for each HoNOS item on review collections. Due to most admission being less than 91 days, the data set for review collections in inpatient settings is relatively small.

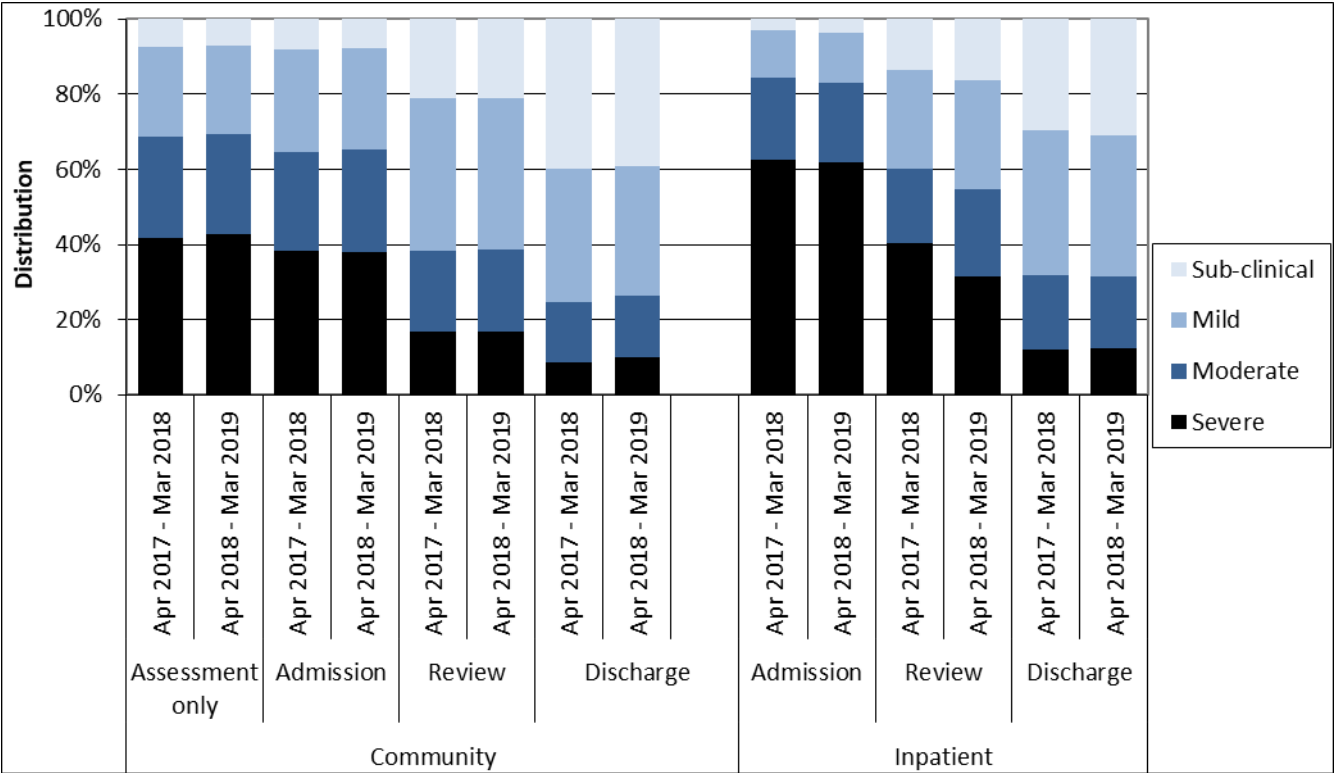
Interpretation: The longer the bar, the more prevalent the difficulty measured by the item is amongst service users.

Table 5b: Percentage of collections in clinical range on each HoNOS item (review collections) by team, New Zealand, Apr 2018 - Mar 2019

Team type	N	AGR	SH	AOD	COG	PHY	DelHal	DEP	OTH	REL	ADL	LIV	OCC
Community services													
Alcohol and drug team	829	7%	5%	59%	5%	23%	2%	21%	27%	23%	6%	7%	8%
Child and youth team	251	12%	12%	21%	16%	13%	10%	40%	66%	48%	25%	10%	24%
Co-existing problem team	28	14%	4%	50%	11%	39%	11%	21%	54%	36%	25%	7%	29%
Community team	35,763	7%	6%	17%	13%	23%	22%	26%	47%	33%	19%	9%	19%
Early intervention team	1,227	8%	5%	27%	15%	9%	32%	22%	45%	34%	23%	10%	16%
Eating disorders team	339	8%	12%	8%	14%	41%	9%	53%	91%	33%	30%	9%	18%
Forensic team	119	2%	0%	9%	3%	28%	21%	5%	17%	16%	14%	48%	66%
Intellectual disability dual diagnosis team	37	22%	3%	0%	73%	25%	19%	16%	43%	70%	73%	19%	24%
Kaupapa Māori team	2,875	10%	6%	26%	14%	23%	26%	22%	43%	31%	17%	11%	18%
Maternal mental health team	1,440	8%	4%	4%	4%	17%	1%	55%	76%	33%	9%	6%	8%
Older people team	174	21%	2%	2%	76%	43%	19%	18%	28%	44%	69%	4%	17%
Pacific people team	1,198	2%	1%	10%	5%	14%	20%	6%	13%	13%	12%	5%	12%
Total	44,331	7%	6%	18%	13%	22%	21%	27%	47%	32%	18%	9%	18%
Inpatient services													
Forensic team	96	32%	10%	16%	44%	23%	64%	22%	55%	66%	58%	9%	20%
Inpatient team	1,137	17%	8%	19%	24%	23%	49%	19%	43%	48%	39%	18%	17%
Total	1,245	19%	8%	19%	25%	23%	50%	20%	44%	49%	40%	17%	17%

Notes: Percentage of service users in the clinical range (2, 3 or 4) for each HoNOS item on review collections. Due to most admission being less than 91 days, the data set for review collections in inpatient settings is relatively small. **Interpretation:** The higher the percentage, the more prevalent the difficulty measured by the item is amongst service users.

Graph 6: Index of Severity ratings for HoNOS by collection type, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



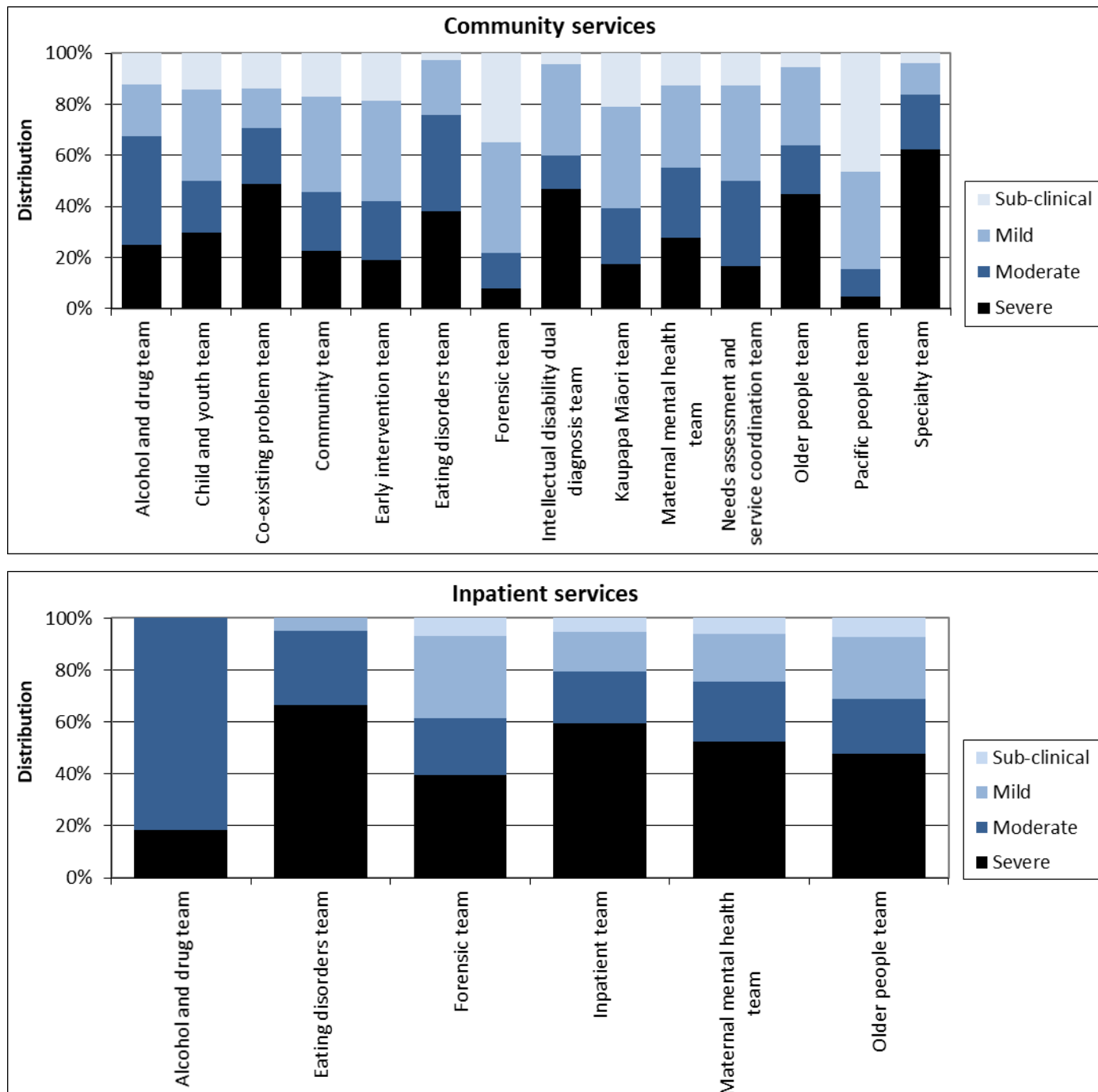
Notes: Index of Severity: Sub clinical = all items <2, mild = at least one item >1 and all items <3, moderate = at least one item >=3, severe = at least 2 items >=3 using first 10 items. Community discharge does not include discharge to an inpatient unit.

Interpretation: Darker bars indicate higher overall level of severity. More positive outcome shown by larger decrease in darker sections of bar between admission and discharge.

2. Other measures of service activity

This section presents other information related to data collected in PRIMHD that may be helpful for understanding how teams are operating. This includes information relevant to caseload intensity and team activity.

Graph 7: Index of Severity for HoNOS (admission and review collections) by team, New Zealand, Apr 2018 - Mar 2019



Notes: Only data related to collection at admission and review is included so that results reflect the severity of service users during their engagement with the service. Index of Severity: Sub clinical = all items <2, mild = at least one item >1 and all items <3, moderate = at least one item >=3, severe = at least 2 items >=3 using first 10 items.

Interpretation: This graph gives an impression of the overall severity of the caseload for different teams at admission. The longer the darker bar, the higher the overall severity of the team's caseload.

Table 7: Index of Severity for HoNOS by collection type and team, New Zealand, Apr 2018 - Mar 2019

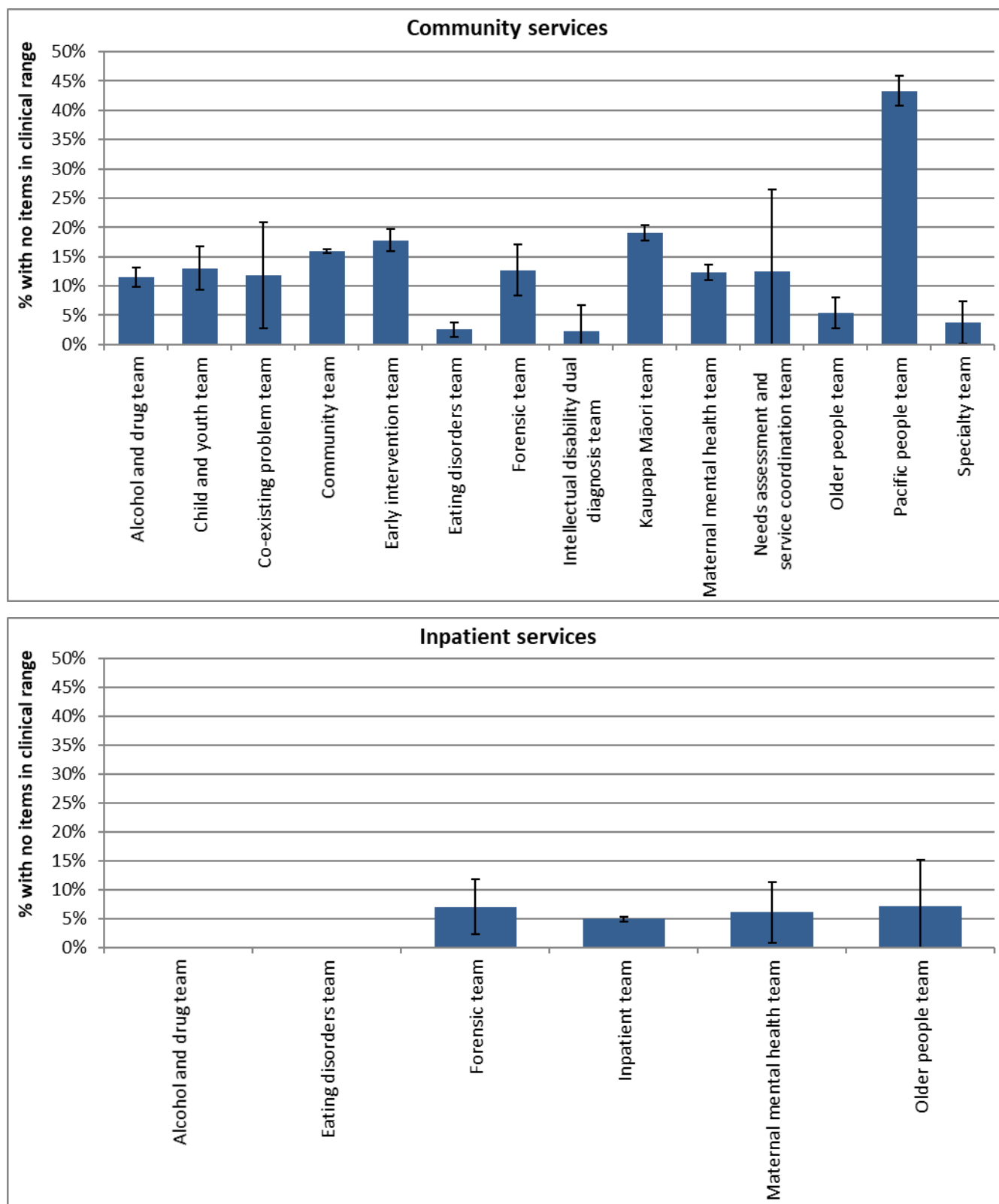
Team type	Assessment only					Admission					Review					Discharge				
	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N
Community services																				
Alcohol and drug team	4%	15%	32%	49%	430	3%	14%	46%	36%	622	19%	25%	40%	16%	829	36%	29%	25%	11%	307
Child and youth team	0%	19%	33%	47%	36	3%	22%	32%	43%	63	17%	39%	18%	26%	251	30%	50%	14%	7%	103
Co-existing problem team						4%	4%	17%	74%	23	21%	25%	25%	29%	28					
Community team	7%	24%	26%	43%	10,101	8%	27%	26%	39%	12,978	21%	41%	22%	17%	35,791	38%	35%	17%	10%	7,309
Eating disorders team						13%	37%	26%	24%	324	20%	40%	22%	18%	1,227	36%	40%	17%	7%	121
Eating disorders team	0%	16%	41%	43%	44	0%	13%	42%	45%	288	4%	29%	35%	32%	339	28%	37%	24%	11%	169
Forensic team	37%	26%	22%	15%	46	25%	45%	17%	14%	101	44%	42%	12%	3%	119	73%	19%	6%	2%	141
Intellectual disability dual diagnosis team											5%	35%	8%	51%	37					
Kaupapa Māori team	8%	24%	25%	43%	275	9%	36%	25%	30%	531	23%	41%	21%	15%	2,876	34%	39%	14%	13%	271
Maternal mental health team	23%	40%	19%	18%	208	7%	22%	31%	39%	1,009	16%	39%	25%	20%	1,440	51%	33%	10%	6%	897
Older people team	14%	21%	11%	54%	28	3%	30%	21%	46%	102	7%	30%	18%	44%	174	9%	19%	19%	53%	47
Pacific people team						34%	34%	20%	13%	182	49%	39%	10%	3%	1,198	75%	16%	3%	5%	91
Specialty team	5%	16%	30%	48%	148	2%	11%	21%	66%	99										
Total	7%	24%	27%	43%	11,340	8%	27%	27%	38%	16,340	21%	40%	22%	17%	44,361	39%	35%	16%	10%	9,492

Team type	Assessment only					Admission					Review					Discharge				
	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N	Sub	Mild	Mod	Sev	N
Inpatient services																				
Alcohol and drug team						0%	0%	81%	19%	259						2%	5%	80%	12%	242
Eating disorders team						0%	0%	30%	70%	20										
Forensic team											7%	31%	23%	39%	96					
Inpatient team						4%	14%	20%	63%	8,827	17%	29%	23%	31%	1,137	32%	39%	18%	12%	8,393
Maternal mental health team						5%	18%	24%	53%	79						24%	34%	22%	20%	59
Older people team						8%	24%	19%	49%	37						13%	38%	23%	26%	39
Total						4%	13%	21%	62%	9,243	16%	29%	23%	31%	1,245	31%	38%	19%	12%	8,769

Notes: Sub = sub clinical, Mild = mild, Mod = moderate, Sev = severe on Index of Severity. Only admission collection data is included so that results reflect the severity of service users during their engagement with the service. Index of Severity: Sub clinical = all items <2, mild = at least one item >1 and all items <3, moderate = at least one item >=3, severe = at least 2 items >=3 using first 10 items. Community discharge does not include discharge to an inpatient unit.

Interpretation: Larger percentages in the columns to the right for each type of collection, the higher the overall severity of the team's caseload.

Graph 8: Collections with no HoNOS items in clinical range, New Zealand, Apr 2018 - Mar 2019



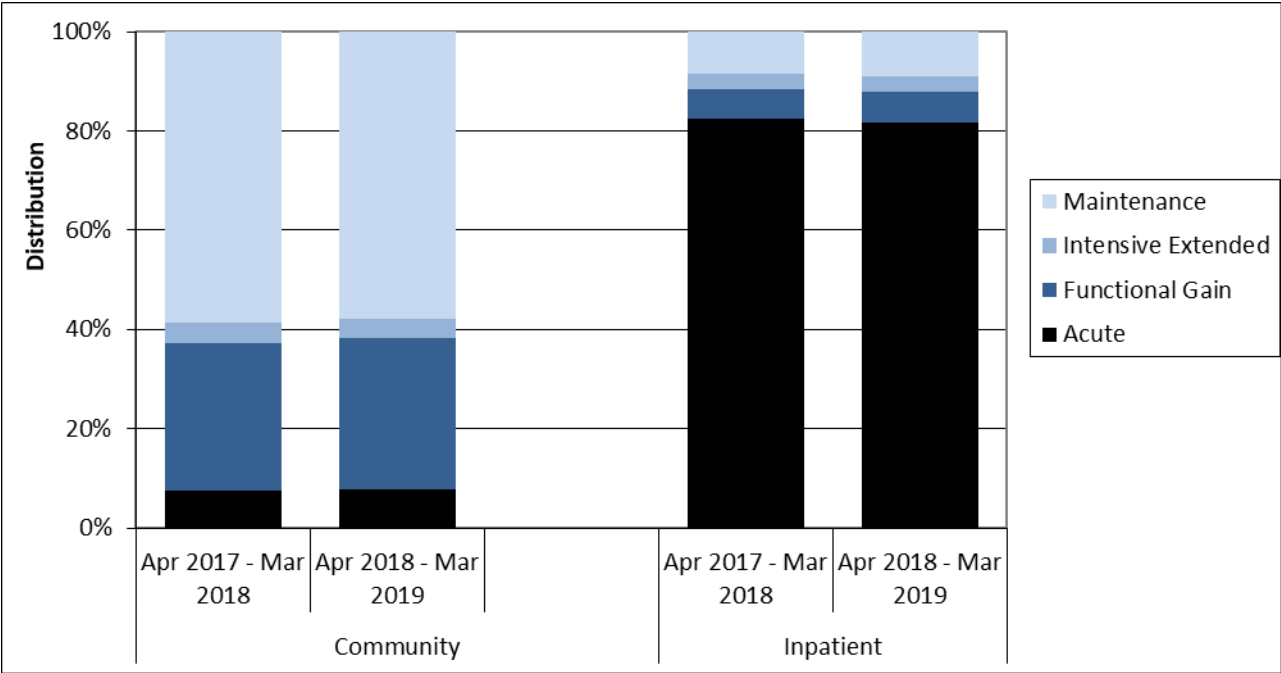
Notes: Includes admission and review collections. Shows percentage of service users with all HoNOS items less than two, ie no HoNOS items in the clinical range. **Interpretation:** There are a variety of reasons that may make it appropriate for service users to remain in the service even though they show no HoNOS items in the clinical range. However, teams showing a larger or substantial percentage of service users with no HoNOS items in the clinical range could benefit from reviewing these cases to ensure that the service remains appropriate for this service user.

Table 8: Collections with no HoNOS items in clinical range, New Zealand, Apr 2018 - Mar 2019

Team type	Number of collections with no items in clinical range	Percentage with no items in clinical range
Community services		
Alcohol and drug team	168	12%
Child and youth team	41	13%
Co-existing problem team	6	12%
Community team	7,793	16%
Early intervention team	276	18%
Eating disorders team	16	3%
Forensic team	28	13%
Intellectual disability dual diagnosis team	1	2%
Kaupapa Māori team	651	19%
Maternal mental health team	301	12%
Needs assessment and service coordination team	3	13%
Older people team	15	5%
Pacific people team	598	43%
Specialty team	4	4%
Total	9,906	16%
Inpatient services		
Alcohol and drug team	0	0%
Eating disorders team	0	0%
Forensic team	8	7%
Inpatient team	490	5%
Maternal mental health team	5	6%
Older people team	3	7%
Total	506	5%

Notes: For further information see notes for Graph 8.

Graph 9: Focus of care categories, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



Notes: Data from review and discharge collections.

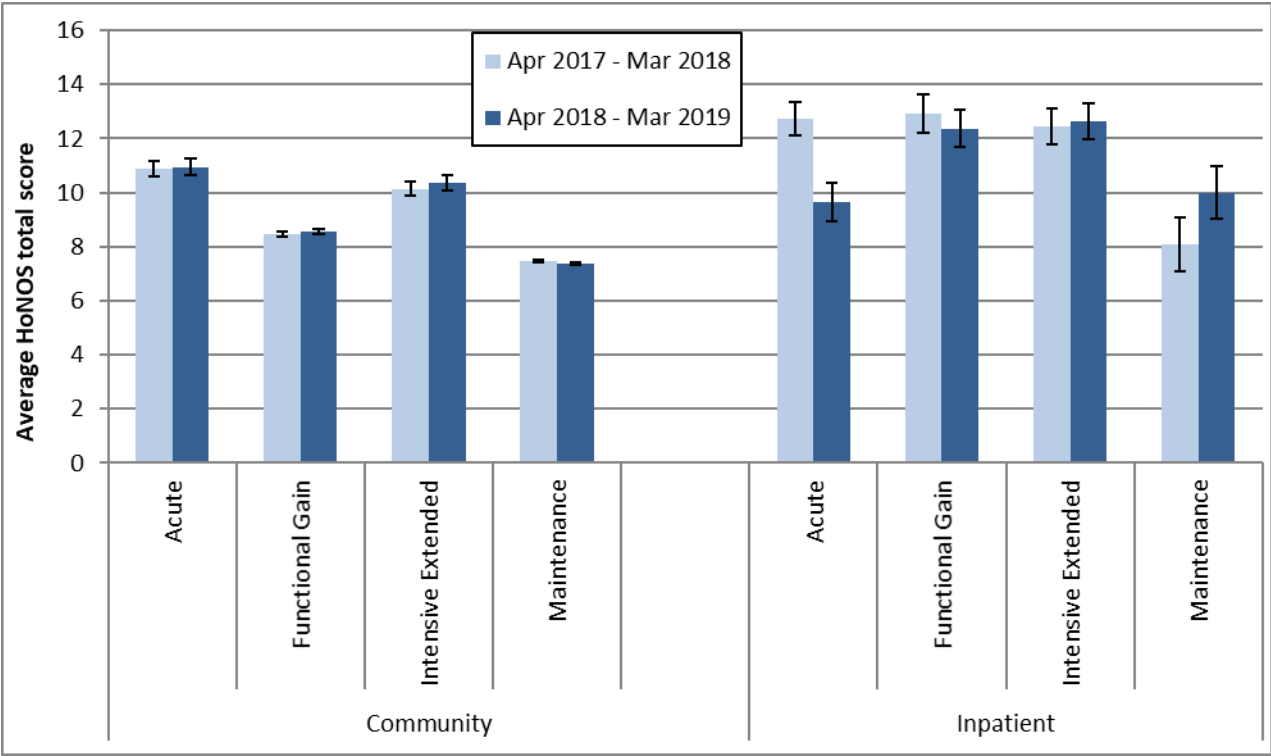
Interpretation: Darker bars indicate more intensive involvement in care, so a longer or darker bar in general suggests more intensive working. A longer functional gain bar and shorter maintenance bar potentially suggests more recovery focused ways of working.

Table 9: Focus of care categories by team, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019

Team type	Acute		Functional gain		Intensive extended		Maintenance		Number of collections	
	Last period	This period	Last period	This period	Last period	This period	Last period	This period	Last period	This period
Community services										
Alcohol and drug team	9%	8%	39%	41%	0%	1%	52%	50%	1,032	1,162
Child and youth team	5%	4%	30%	32%	11%	7%	54%	57%	331	352
Co-existing problem team	14%	22%	18%	16%	2%	5%	66%	57%	50	37
Community team	8%	8%	30%	29%	4%	4%	59%	58%	47,571	43,229
Early intervention team	4%	4%	41%	41%	5%	2%	51%	52%	1,217	1,426
Eating disorders team	6%	6%	68%	65%	13%	13%	13%	16%	562	534
Forensic team	4%	7%	1%	7%	4%	1%	91%	86%	359	173
Intellectual disability dual diagnosis team	4%	2%	11%	10%	0%	0%	85%	88%	47	50
Kaupapa Māori team	5%	5%	15%	19%	2%	2%	77%	73%	3,130	2,929
Maternal mental health team	12%	9%	50%	53%	2%	2%	35%	36%	2,563	2,322
Needs assessment and service coordination team		10%		24%		5%		62%		21
Older people team	7%	9%	10%	12%	9%	9%	75%	71%	246	221
Pacific people team	1%	1%	12%	14%	0%	0%	87%	85%	1,469	1,232
Residential/accommodation team	0%	0%	5%	29%	5%	0%	91%	71%	22	21
Specialty team	7%		40%		13%		40%		45	
Total	8%	8%	30%	30%	4%	4%	59%	58%	58,675	53,739
Inpatient services										
Alcohol and drug team	98%	100%	1%	0%	0%	0%	0%	0%	245	237
Eating disorders team	73%		17%		0%		10%		30	
Forensic team	17%	10%	8%	11%	38%	60%	37%	19%	84	110
Inpatient team	83%	82%	6%	6%	3%	3%	8%	9%	10,175	9,178
Maternal mental health team	75%	93%	2%	2%	0%	0%	23%	5%	44	56
Older people team	70%	77%	3%	0%	0%	0%	28%	23%	40	44
Total	83%	82%	6%	6%	3%	3%	8%	9%	10,619	9,647

Notes: For further information see notes for Graph 9.

Graph 10: HoNOS total score (review collections) by focus of care, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



Notes: This data is just for review collections.

Interpretation: Points are significantly different if error bars don't overlap. A general downward trend in scores from acute to maintenance focus of care might be expected.

Table 10: HoNOS total score (review collections) by focus of care by team, New Zealand, Apr 2018 - Mar 2019

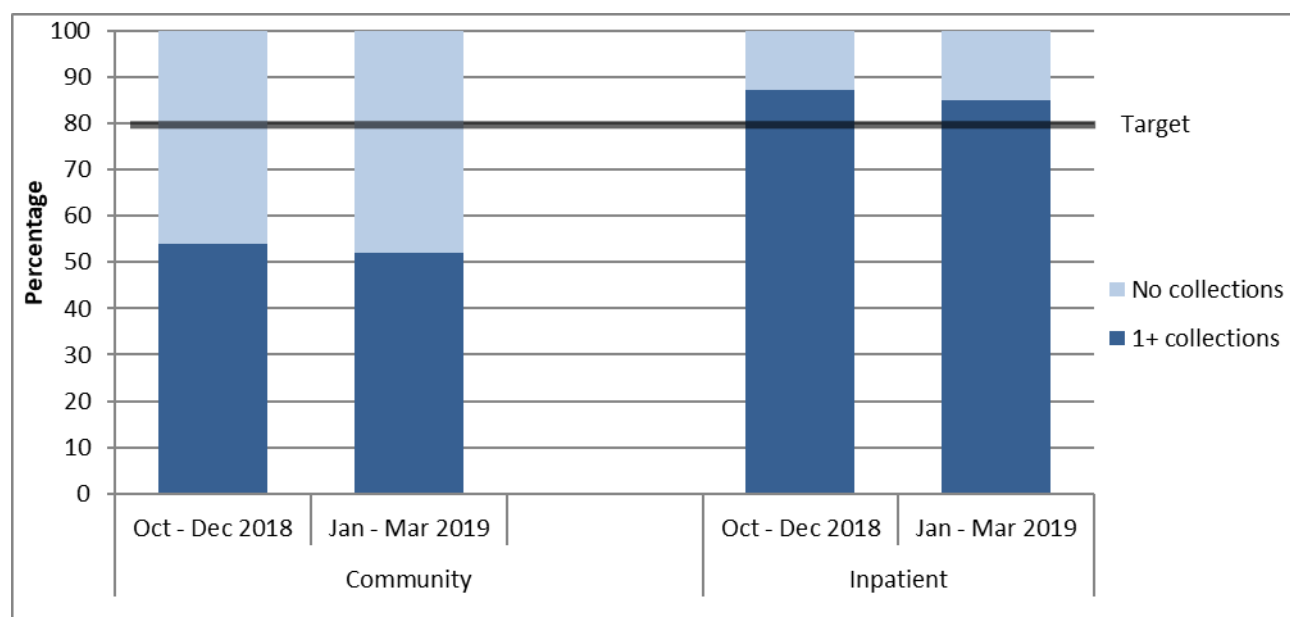
Team type	Acute			Functional gain			Intensive extended			Maintenance		
	N	Mean	CI	N	Mean	CI	N	Mean	CI	N	Mean	CI
Community services												
Alcohol and drug team	60	12.8	11.2-14.4	197	7.6	6.9-8.3				541	5.1	4.8-5.3
Child and youth team				83	10.7	9.4-12.0				131	8.1	7.1-9.0
Community team	1,121	11.0	10.6-11.3	9,766	8.6	8.5-8.7	1,496	10.3	10.0-10.5	21,437	7.5	7.4-7.6
Early intervention team	31	13.6	10.7-16.5	499	8.4	7.9-8.8	20	13.4	9.1-17.6	627	7.7	7.3-8.2
Eating disorders team				212	10.4	9.6-11.2	42	13.6	11.2-16.0	57	8.7	7.2-10.2
Forensic team										105	8.3	7.4-9.2
Intellectual disability dual diagnosis team										37	11.6	9.8-13.5
Kaupapa Māori team	81	13.0	11.6-14.4	468	9.3	8.7-9.9	66	8.6	7.3-9.9	1,972	7.7	7.4-8.0
Maternal mental health team	110	6.7	5.7-7.8	754	8.2	7.8-8.5				480	6.2	5.9-6.6
Older people team										120	10.5	9.6-11.4
Pacific people team				127	4.6	3.9-5.2				981	4.2	4.0-4.4
Total	1,445	10.9	10.6-11.3	12,154	8.6	8.5-8.6	1,690	10.4	10.1-10.7	26,530	7.4	7.3-7.4
Inpatient services												
Forensic team							66	13.9	12.8-15.0			
Inpatient team	496	9.5	8.8-10.2	257	12.5	11.8-13.1	165	12.1	11.3-12.9	180	10.2	9.1-11.2
Total	509	9.7	9.0-10.3	262	12.4	11.7-13.1	232	12.6	12.0-13.3	201	10.0	9.0-11.0

Notes: For further information see notes for Graph 10.

3. Collection completion and validity

This section presents information about the completeness and validity of the data on which the remainder of this report is based. It also shows the current targets for the variables presented.

Graph 11: Percentage of service users with at least one collection during the period, New Zealand, Oct – Dec 2018 and Jan – Mar 2019 (18 to 64 years)

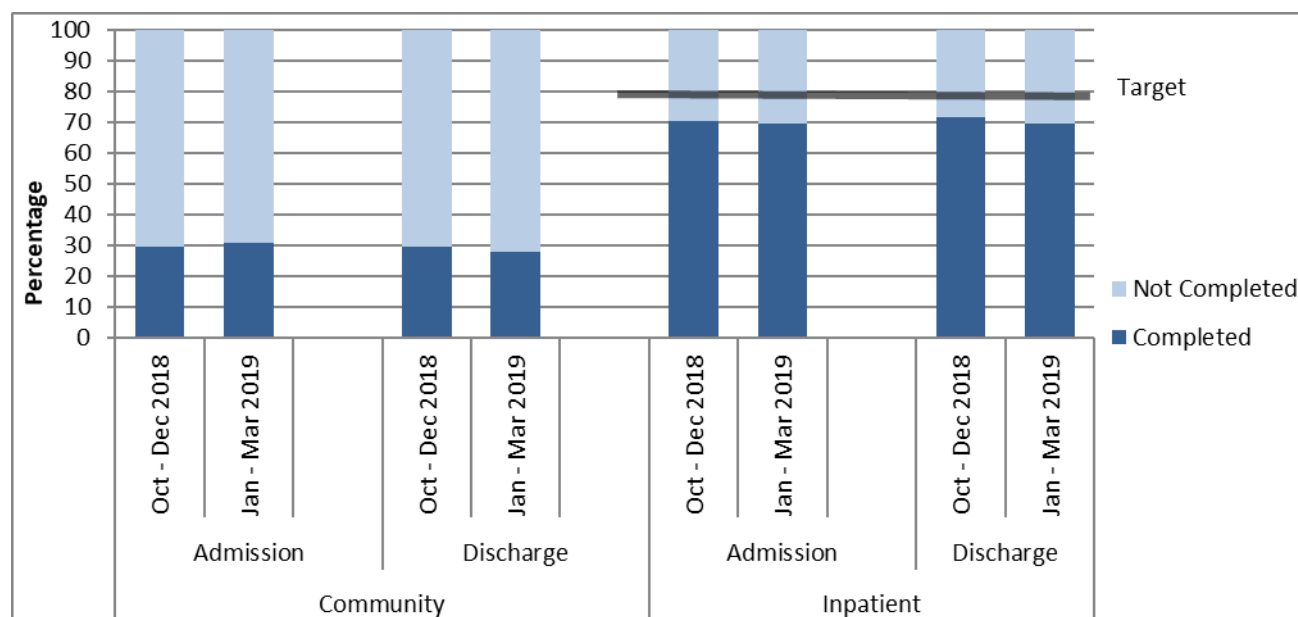


Notes: Community compliance is affected by crisis teams completing triage or brief assessment type activity which is not a comprehensive assessment.

Interpretation: The longer the dark part of the bar, the more completely the data set includes all service users, and the more meaningful and representative the graphs, tables, and analyses using this data will be. The data is approximate due to movements of service users between teams and similar variations; however, it does provide a reasonably accurate representation of completion of measures. The data only includes valid collections.

Target: To meet or exceed the target shown on the graph for the percentage of service users with at least one collection within the period.

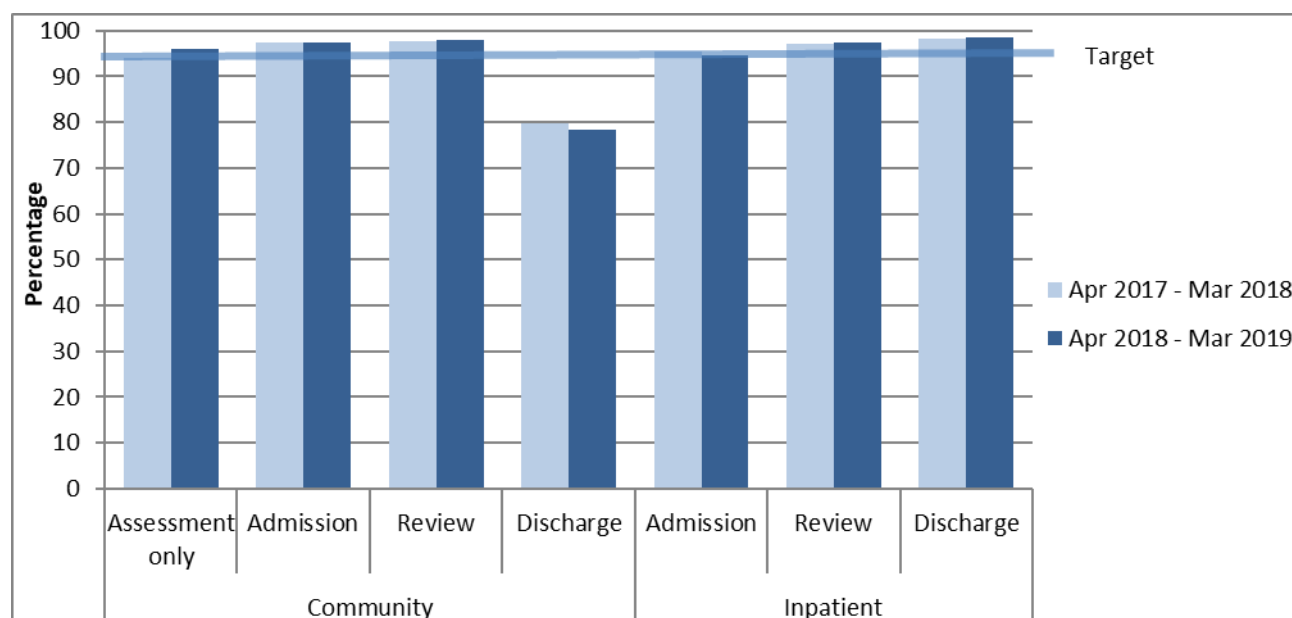
Graph 12: Percentage of service users with admission and discharge collections completed, New Zealand, Oct – Dec 2018 and Jan – Mar 2019 (18 to 64 years)



Notes: Community compliance is affected by crisis teams completing triage or brief assessment type activity which is not a comprehensive assessment.

Interpretation: The longer the dark bar, the larger the percentage of admission and discharge that had the relevant data collection type. Data is approximate due to movements of service users between teams and similar variations; however, it does provide a reasonably accurate representation of completion of measures. The data only includes valid collections.

Graph 13: Percentage of valid collections, HoNOS, New Zealand, Apr 2017 - Mar 2018 and Apr 2018 - Mar 2019



Notes: Valid = Two or fewer of the 12 items scored as unknown or missing. Discharge exclude collection types for lost to care, discharge dead and brief episode of care. Collection in drug and alcohol teams is not required, therefore AOD data is excluded.

Interpretation: The longer the dark lines, the higher the percentage of valid scores.

Target: Aim for 95% valid collections.

Table 13: Invalid collections by team, by HoNOS item, New Zealand, Apr 2018 - Mar 2019

Team type	% Invalid			Number of invalid ratings by HoNOS item												Total number
	Adm	Rev	Dch	1	2	3	4	5	6	7	8	9	10	11	12	
Community services																
Child and youth team	3%	5%	16%	38	39	39	40	40	41	39	39	38	39	40	40	503
Community team	3%	2%	22%	3,990	4,133	4,815	4,184	4,193	4,225	4,250	4,359	4,280	4,322	4,578	4,670	73,993
Early intervention team	5%	2%	18%	104	107	117	112	106	115	107	116	103	107	134	106	1,959
Eating disorders team	1%	2%	11%	37	39	41	41	38	36	39	38	38	40	42	37	943
Forensic team	3%	2%	43%	122	122	132	121	122	124	124	122	127	128	138	136	558
Intellectual disability dual diagnosis team		0%		4	4	4	4	6	5	4	5	4	4	5	4	62
Kaupapa Māori team	3%	3%	18%	173	175	227	183	185	194	183	197	192	198	189	196	4,283
Maternal mental health team	2%	2%	21%	332	333	353	337	337	334	337	335	336	335	330	335	4,033
Older people team	3%	1%	9%	8	18	9	10	9	14	13	19	10	10	13	12	387
Pacific people team	3%	2%	22%	56	59	60	58	69	65	59	70	69	88	73	100	1,603
Residential/accommodation team				0	0	0	0	0	0	0	0	0	0	0	0	21
Specialty team	4%			2	4	4	5	3	3	4	9	44	57	72	74	330
Total	3%	2%	22%	4,866	5,033	5,801	5,095	5,108	5,156	5,159	5,309	5,241	5,328	5,614	5,710	88,694

Team type	% Invalid			Number of invalid ratings by HoNOS item												Total number
	Adm	Rev	Dch	1	2	3	4	5	6	7	8	9	10	11	12	
Inpatient services																
Eating disorders team				0	0	0	0	0	0	0	0	1	0	1	0	36
Forensic team		0%		0	1	1	1	0	5	3	2	0	0	0	1	132
Inpatient team	5%	3%	1%	145	235	600	390	265	263	393	590	520	398	781	1,074	18,684
Maternal mental health team	5%		10%	5	7	13	8	9	10	9	10	9	8	11	10	149
Older people team	12%		9%	4	7	7	4	4	9	5	8	7	5	20	13	90
Total	5%	3%	1%	154	250	621	403	278	287	410	610	537	411	813	1,099	19,100

Notes: Percentage of invalid collections = the percentage of collections that had three or more of the 12 items scored as unknown or missing. Number of invalid ratings by HoNOS item = for each of the HoNOS items, the number of collections for which that item was unknown or missing. Discharge excludes collection types for lost to care, deceased and brief episode of care. Collection in drug and alcohol teams is not required, therefore AOD data is excluded.

Interpretation: The lower the percentage of invalid collections by team, the higher the percentage of valid scores. The lower the number of invalid collections by HoNOS item, the more collections that have valid data on that HoNOS item.

Target: Aim for 95% valid collections (5% invalid collections) or better. Aim for as few invalid items as possible, with all items having a similar validity rate.