

	<i>Average (s.d.) for train set</i>	<i>Average (s.d.) for test set</i>	<i>IQR for train (test) set</i>
Age at Appointment	40.10 (15.10)	39.46 (15.56)	22 (23)
Time to Appointment	14.03 (17.25)	14.18 (16.34)	15 (17)
Referral Number	1.75 (1.27)	2.11 (1.82)	1 (2)
	<i>Average proportion across each service Train (Test)</i>	<i>Minimum proportion Train (Test)</i>	<i>Maximum proportion Train (Test)</i>
<b>Gender</b>			
Female	0.652 (0.656)	0.613 (0.623)	0.694 (0.693)
Male	0.347 (0.343)	0.306 (0.307)	0.387 (0.376)
Not known	0.000 (0.000)	0.000 (0.000)	0.001 (0.001)
Not specified	0.000 (0.001)	0.000 (0.000)	0.002 (0.001)
Missing	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
<b>LTC Status</b>			
No	0.632 (0.639)	0.292 (0.367)	0.854 (0.783)
Not Stated (Person asked but declined to provide a response)	0.058 (0.043)	0.004 (0.001)	0.408 (0.311)
Unknown (Person asked and does not know or is not sure)	0.013 (0.011)	0.003 (0.001)	0.049 (0.040)
Yes	0.297 (0.307)	0.137 (0.175)	0.466 (0.444)
Missing	0.088 (0.063)	0.000 (0.000)	0.415 (0.297)
<b>ADSM</b>			
Agoraphobia-Mobility Inventory	0.000 (0.001)	0.000 (0.000)	0.003 (0.007)
Panic Disorder Severity Scale	0.001 (0.001)	0.000 (0.000)	0.003 (0.005)
Generalised Anxiety Disorder Assessment	0.990 (0.985)	0.980 (0.961)	0.997 (0.999)
Obsessive Compulsive Inventory	0.002 (0.002)	0.001 (0.000)	0.005 (0.006)
Impact of Events Scale - Revised	0.004 (0.007)	0.001 (0.000)	0.008 (0.025)
Social Phobia Inventory	0.002 (0.003)	0.000 (0.000)	0.006 (0.013)
Missing	0.119 (0.122)	0.020 (0.000)	0.262 (0.237)
<b>Statutory Sick Pay Indicator</b>			
No	0.904 (0.903)	0.868 (0.865)	0.927 (0.934)
Unknown	0.007 (0.011)	0.002 (0.003)	0.019 (0.028)
Yes	0.072 (0.065)	0.045 (0.043)	0.108 (0.093)
Not Stated	0.018 (0.020)	0.004 (0.003)	0.033 (0.056)
Missing	0.125 (0.129)	0.000 (0.000)	0.273 (0.267)
<b>Employment Status</b>			
Employed	0.537 (0.568)	0.417 (0.465)	0.643 (0.673)
Unemployed and seeking work	0.168 (0.153)	0.043 (0.063)	0.311 (0.235)
Full or part-time student	0.063 (0.064)	0.022 (0.021)	0.278 (0.226)
Long-term sick or disabled	0.069 (0.058)	0.011 (0.012)	0.160 (0.101)
Homemaker	0.058 (0.049)	0.007 (0.013)	0.080 (0.086)
Not receiving sickness and disability benefits and not working	0.009 (0.010)	0.001 (0.001)	0.072 (0.096)
Unpaid voluntary work	0.008 (0.008)	0.002 (0.001)	0.082 (0.084)
Retired	0.077 (0.075)	0.002 (0.002)	0.123 (0.132)
Not Stated	0.010 (0.014)	0.000 (0.000)	0.035 (0.054)
Missing	0.123 (0.128)	0.000 (0.000)	0.272 (0.260)
<b>Appointment Purpose</b>			

Assessment and treatment	0.880 (0.853)	0.421 (0.042)	0.987 (0.987)
Assessment only	0.035 (0.043)	0.000 (0.000)	0.479 (0.509)
Follow-up after left treatment	0.002 (0.003)	0.000 (0.000)	0.010 (0.024)
Other	0.015 (0.041)	0.000 (0.000)	0.071 (0.489)
Review and treatment	0.008 (0.012)	0.000 (0.000)	0.082 (0.153)
Review only	0.010 (0.006)	0.000 (0.000)	0.089 (0.053)
Treatment only	0.051 (0.042)	0.000 (0.000)	0.223 (0.171)
Missing	0.006 (0.000)	0.000 (0.000)	0.023 (0.000)
<b>Time of Day</b>			
Afternoon	0.461 (0.443)	0.341 (0.166)	0.593 (0.582)
Evening	0.025 (0.021)	0.000 (0.000)	0.096 (0.093)
Morning	0.514 (0.535)	0.377 (0.391)	0.659 (0.834)
Missing	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
<b>Consultation Medium</b>			
Email	0.002 (0.001)	0.000 (0.000)	0.019 (0.012)
Face to face communication	0.353 (0.316)	0.061 (0.041)	0.994 (0.974)
Short Message Service (SMS)	0.001 (0.001)	0.000 (0.000)	0.008 (0.016)
Talk type for a Person unable to speak	0.001 (0.000)	0.000 (0.000)	0.007 (0.003)
Telemedicine web camera	0.001 (0.000)	0.000 (0.000)	0.007 (0.004)
Telephone	0.634 (0.650)	0.005 (0.004)	0.935 (0.957)
Other	0.008 (0.031)	0.000 (0.000)	0.062 (0.453)
Missing	0.045 (0.026)	0.000 (0.000)	0.437 (0.257)
<b>SMS Allowed</b>			
Not Allowed	0.290 (0.116)	0.082 (0.026)	0.507 (0.321)
Allowed	0.710 (0.884)	0.493 (0.679)	0.918 (0.974)
Missing	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
<b>Care Professional Role</b>			
Employment support worker	0.001 (0.010)	0.000 (0.000)	0.009 (0.081)
High Intensity Brief Dynamic	0.007 (0.002)	0.000 (0.000)	0.049 (0.012)
Interpersonal Psychotherapist			
High Intensity Cognitive Behavioural Therapist	0.285 (0.160)	0.122 (0.028)	0.472 (0.417)
High Intensity Cognitive Behavioural Therapist - Trainee	0.038 (0.026)	0.000 (0.000)	0.186 (0.113)
High Intensity Counselling for Depression	0.048 (0.031)	0.000 (0.000)	0.161 (0.184)
Psychological Well-being Practitioner	0.447 (0.541)	0.151 (0.259)	0.747 (0.818)
Psychological Well-being Practitioner - Trainee	0.031 (0.092)	0.000 (0.000)	0.112 (0.486)
High Intensity Couple Therapist for Depression	0.004 (0.001)	0.000 (0.000)	0.024 (0.008)
Other High Intensity Therapist	0.036 (0.026)	0.000 (0.000)	0.275 (0.247)
Other low intensity Therapist	0.080 (0.092)	0.000 (0.000)	0.292 (0.583)
High Intensity Interpersonal Therapist	0.013 (0.010)	0.000 (0.000)	0.086 (0.082)
Not Stated	0.010 (0.008)	0.000 (0.000)	0.150 (0.114)
High Intensity Counselling for Depression - Trainee	0.001 (0.000)	0.000 (0.000)	0.019 (0.003)
High Intensity Couple Therapist for Depression - Trainee	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
High Intensity Interpersonal Therapist - Trainee	0.000 (0.000)	0.000 (0.000)	0.001 (0.001)
Mindfulness based Cognitive Therapist - Trainee	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)

Eye Movement Desensitisation Reprocessing - Trainee	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)
Missing	0.067 (0.070)	0.010 (0.004)	0.219 (0.186)
<b>Referral Source</b>			
GP	0.340 (0.139)	0.035 (0.016)	0.688 (0.371)
Other	0.131 (0.136)	0.011 (0.015)	0.503 (0.463)
Self	0.529 (0.725)	0.133 (0.363)	0.945 (0.969)
Missing	0.000 (0.000)	0.000 (0.000)	0.001 (0.005)
<b>Step Intensity</b>			
Not Stated	0.043 (0.029)	0.000 (0.000)	0.432 (0.435)
High intensity - 1st step	0.164 (0.150)	0.000 (0.000)	0.580 (0.709)
High intensity - Stepped up	0.041 (0.032)	0.000 (0.000)	0.475 (0.336)
Low intensity - 1st step	0.733 (0.775)	0.420 (0.291)	0.993 (0.993)
Low intensity - Stepped Down	0.019 (0.014)	0.000 (0.000)	0.143 (0.135)
Missing	0.212 (0.203)	0.050 (0.000)	0.418 (0.598)
<b>Attendance</b>			
Did not attend	0.163 (0.170)	0.002 (0.004)	0.269 (0.242)
Attended	0.837 (0.830)	0.731 (0.758)	0.998 (0.996)
Missing	0.000 (0.000)	0.000 (0.000)	0.000 (0.000)

*Table 1: Summaries of the train and test data sets. Minimum, maximum and average proportions for categorical variables. Average, standard deviation (s.d.) and interquartile range (IQR) for continuous variables.*