

Prospective cohort study of mental health during imprisonment

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Background

Mental illness is common among prisoners, but little evidence exists regarding changes in symptoms in custody over time.

Aims

To investigate the prevalence and predictors of psychiatric symptoms among prisoners during early custody.

Method

In a prospective cohort study, 3079 prisoners were screened for mental illness within 3 days of reception. To establish baseline diagnoses and symptoms, 980 prisoners were interviewed; all remaining in custody were followed up 1 month and 2 months later.

Results

Symptom prevalence was highest during the first week of custody. Prevalence showed a linear decline among men and convicted prisoners, but not women or remand prisoners. It decreased among prisoners with depression, but not among prisoners with other mental illnesses.

Conclusions

Overall, imprisonment did not exacerbate psychiatric symptoms, although differences in group responses were observed. Continued discussion regarding non-custodial alternatives for vulnerable groups and increased support for all during early custody are recommended.

Declaration of interest

None.

There is concern that time spent in prison may have a detrimental impact on mental health, particularly among individuals with a pre-existing mental illness. Several large surveys in western countries have established increased prevalence of psychiatric disorders among prisoners when compared with community populations;^{1–4} however, there is less evidence concerning change in psychiatric symptoms during imprisonment.

A study in The Netherlands⁵ examined a sample of 61 prisoners with psychosis during the first 12 weeks of custody and concluded that psychotic symptoms were not exacerbated by imprisonment. Although limited in size and scope, these findings question whether prison has a universally detrimental impact on the mental health of people with pre-existing mental illness. Given that the number of prisoners in the UK with mental illness is higher than ever and rising,⁶ this issue is of growing importance to health professionals who work with offenders in prisons and post-release.

The aims of this study were to: (a) estimate the prevalence of psychiatric symptoms during the first 2 months of custody; and (b) identify predictors of deterioration or continued poor mental health among prisoners with and without a pre-existing mental illness.

Method

Sample and procedure

Ethical and management approvals were sought from a National Health Service (NHS) research ethics committee and NHS trusts providing mental health services at participating establishments.

This was a prospective cohort study. Newly convicted prisoners arriving at five local prisons in South East and North West England were recruited to the study. Establishments comprised three adult male prisons, one prison for adult and young men (18–21 years), and one prison for adult and young women (Table 1). A two-phase sampling design was used.

Phase I: screening

Consecutive samples of prisoners were taken from daily lists of people newly received into custody between February 2006 and April 2007. During recruitment periods, researchers aimed to approach all eligible potential participants within 3 days of reception and invite them to participate. Prisoners transferred from other establishments, non-English speaking prisoners and those deemed ‘unsafe to see’ were excluded. Lists were discussed only with prison officers and only to exclude ineligible participants and to unlock prisoners. Recruited participants ($n=3079$) gave informed consent and were screened using PriSnQuest,⁷ an eight-item questionnaire validated to screen for mental illness in offender populations. All participants who scored three or more on PriSnQuest ('screen positives') and a 5% sample of 'screen negatives' (scoring two or fewer) were invited to complete a full clinical interview. Table 1 reports final screening and interview figures for each prison.

Phase II: clinical interview and follow-ups

Of the 1097 participants who screened positive in Phase I, 86% ($n=887$) were subsequently interviewed at Phase II; mean PriSnQuest scores did not significantly differ between the interviewed and non-interviewed sample ($t=-0.39$, d.f.=1095, $P=0.69$). Comparisons between our Phase II sample and official prison population figures at individual sites indicated that the sample was broadly representative with respect to age distribution and offence characteristics. Prisoners of White ethnic origin were slightly overrepresented in our sample when compared with official prison population figures (84% v. 73%; $\chi^2=50.1$, d.f.=1, $P<0.01$).

Trained researchers conducted clinical interviews with 980 prisoners within 1 week of reception into custody (T_1). Mental illness was diagnosed using the Schedule for Affective Disorders and Schizophrenia (SADS).⁸ According to SADS outcome, individual participants were then assigned to one of four mutually

Table 1 Sample size and probability weights used for prevalence estimation at T_1 , T_2 and T_3 by PriSnQuest screening status and prison								
Prison	Phase I		Phase II ^{a,b}					
	Screening		T_1		T_2		T_3	
Positive, n	Negative, n	Positive, n (weight)	Negative, n (weight)	Positive, n (weight)	Negative, n (weight)	Positive, n (weight)	Negative, n (weight)	
A: Adult male local – high secure	148	429	146 (1.01)	22 (19.50)	78 (1.90)	10 (42.90)	10 (14.80)	0 (na)
B: Adult and young female local	228	285	199 (1.15)	12 (23.75)	124 (1.84)	10 (28.50)	20 (11.40)	0 (na)
C: Adult and young male local	262	427	222 (1.18)	40 (10.68)	132 (1.99)	26 (16.42)	68 (3.85)	15 (28.47)
D: Adult male local – high secure	231	452	195 (1.19)	15 (30.13)	125 (1.85)	11 (41.09)	62 (3.73)	7 (64.57)
E: Adult male local	228	389	125 (1.82)	4 (97.25)	54 (4.22)	2 (194.50)	0 (na)	0 (na)
All	1097	1982	887 (1.24)	93 (21.31)	513 (2.14)	59 (33.59)	160 (6.86)	22 (90.09)

na, not applicable.
a. The number of prisoners per prison interviewed according to Phase I screening status.
b. Sampling weight is calculated as the reciprocal of the sampling fraction (n interviewed)/(n screened)) according to Phase I screening status.

exclusive and hierarchical diagnostic categories: any psychosis; major depressive disorder (excluding any psychoses); other mental illness (including minor depressive disorder, general anxiety disorder, obsessive-compulsive disorder and phobias; excluding any psychoses and/or major depressive disorder); and none. Baseline measures of psychiatric symptoms were taken at T_1 using the 12-item General Health Questionnaire (GHQ–12)⁹ and the expanded Brief Psychiatric Rating Scale (BPRS–E).¹⁰

Those remaining in prison were approached for follow-up interviews at 1 month (T_2 , 3–5 weeks) and 2 months (T_3 , 7–9 weeks) into custody. The BPRS–E and GHQ–12 were re-administered at each follow-up. Table 2 reports sample size and characteristics at T_1 , T_2 and T_3 . Of the 980 prisoners interviewed at T_1 , 58% were followed up at T_2 and 19% were followed up at T_3 . Attrition at each stage was primarily due to prisoners being released or transferred to other prisons. Samples were proportionally similar across the three time points with respect to the demographic, forensic and clinical characteristics measured.

Outcome measures

The GHQ–12 was used as the principal measure of mental well-being. Items were scored using the dichotomous style (0; 0; 1; 1)

scoring procedure. In UK community samples, a total GHQ–12 score of three or more is routinely used as a cut-off value for establishing caseness. In prison populations, however, higher thresholds offer a superior balance of sensitivity and specificity.^{11,12} In line with previous research, a cut-off of seven or more was used, henceforth referred to as ‘GHQ prison caseness’.

The BPRS–E was used to measure 24 separate psychiatric symptoms. Symptoms were rated on a Likert scale (range 1–7), using a score of four or more on any individual item as the threshold to indicate clinical severity. Analysis focuses on one BPRS–E item, namely ‘suicidality’, defined as the ‘expressed desire, intent, or actual actions to harm or kill self’.¹⁰

Statistical analysis

The GHQ–12 scores and BPRS–E item scores for suicidality were converted into dichotomous outcomes (above/below cut-off). Analyses were conducted using Stata version 10 software for Windows and with two-sided statistical significance defined as $P < 0.05$.

Sampling probability weights were calculated (Table 1) according to PriSnQuest screening outcomes and applied to prevalence estimates and regression analyses to derive valid point

Table 2 Descriptive comparison of sample characteristics at T_1 , T_2 and T_3			
	T_1	T_2	T_3
Demographic			
Male, n (%)	769 (78)	438 (77)	162 (89)
Age, years: mean (s.d.)	32.9 (8.7)	32.8 (8.8)	33.1 (9.2)
White, n (%)	820 (84)	478 (84)	153 (85)
Married, n (%)	351 (36)	208 (36)	60 (33)
Forensic, n (%)			
Convicted	474 (48)	273 (48)	77 (42)
Violent index offence	216 (22)	136 (24)	40 (22)
Clinical, n (%)			
Psychiatric diagnosis			
Any psychosis	101 (10)	53 (9)	16 (9)
Major depressive disorder	318 (32)	181 (32)	56 (31)
Any mental illness	122 (12)	73 (13)	30 (17)
None	439 (45)	265 (46)	80 (44)
Dual diagnosis	454 (46)	259 (45)	84 (46)
Drug misuse	658 (67)	386 (67)	118 (65)
Alcohol misuse	506 (52)	287 (50)	84 (46)
Prior contact with MHS (lifetime)	436 (45)	239 (42)	64 (35)
Receiving MHS in prison (current) ^b	87 (9)	60 (11)	21 (12)
All	980 (100)	572 (100)	182 (100)

MHS, mental health services.
a. Unweighted percentage.
b. At any time during study period.

and variance estimates from the two-phase sampling design. Discrete weights were derived for each prison and each time point, thus accounting for sample attrition at T_2 and T_3 . Weighted prevalence and variance estimates were obtained from the coefficients generated by logistic regression models, as described by Dunn *et al.*¹³ Chi-squared tests were used to test for heterogeneity and linear trends between prevalence rates at T_1 , T_2 and T_3 .

Univariate analysis was used to identify predictors of change in psychiatric symptoms over the period T_1 to T_2 . This particular analysis was restricted to this period in order to maximise sample size. Analysis focused on the two change outcomes of key clinical importance, defined using combinations of outcomes at T_1 and T_2 : deteriorating (T_1 below, T_2 above) and remaining above cut-off (T_1 above, T_2 above). Weighted binomial regression was then used to estimate risk ratios and their 95% confidence intervals for change outcomes according to gender, legal status and serious mental illness status, defined as any psychosis and/or major depressive disorder. Estimates for gender and legal status were further adjusted for serious mental illness in multivariate models.

Results

Gender

At T_1 , 46% of women and 33% of men met the cut-off for GHQ prison caseness (Table 3). Rates of GHQ prison caseness over the period T_1 – T_3 showed a significant linear decrease among men, but not women. At T_3 , rates of GHQ prison caseness were significantly higher among women than men ($\chi^2=7.60$, d.f.=1, $P<0.01$).

At T_1 , significantly more men than women had clinical symptoms of suicidality (Table 4; $\chi^2=6.79$, d.f.=1, $P<0.01$). Clinical symptoms of suicidality showed a significant linear decrease over the period T_1 – T_3 among men, but not women. Clinical symptoms of suicidality remained significantly more prevalent among women than men at T_3 ($\chi^2=7.27$, d.f.=1, $P<0.01$).

Legal status

At T_1 , 44% of remand and 28% of convicted prisoners met the GHQ prison cut-off for caseness ($\chi^2=5.54$, d.f.=1, $P=0.02$). Over the period T_1 – T_3 there was a significant linear decrease in rates of GHQ prison caseness among convicted prisoners. No significant differences were observed in caseness rates among remand prisoners over the same period. Rates of GHQ prison caseness were significantly higher among remand prisoners than in convicted prisoners at T_3 ($\chi^2=7.42$, d.f.=1, $P<0.01$).

Clinical symptoms of suicidality were significantly more prevalent among remand than convicted prisoners at T_1 ($\chi^2=5.07$, d.f.=1, $P=0.02$). Clinical symptoms of suicidality showed a significant linear decrease over T_1 – T_3 among convicted but not remand prisoners. At T_3 there were no significant differences in rates of clinical symptoms of suicidality between remand and convicted prisoners ($\chi^2=1.39$, d.f.=1, $P=0.24$).

Psychiatric diagnosis

The GHQ prison caseness at T_1 was highest among both prisoners with psychosis and those with major depressive disorder. Over

Table 3 Weighted prevalence (%) of General Health Questionnaire prison caseness by gender, legal status and psychiatric diagnosis at T_1 , T_2 and T_3

	T_1		T_2		T_3		Change T_1 – T_3	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)	Heterogeneity	Linearity
Gender								
Men	469	33 (26–41)	167	23 (16–32)	43	18 (10–29)	$P=0.03$	$P=0.01$
Women	146	46 (31–61)	72	28 (18–40)	10	50 (29–71)	$P=0.02$	$P=0.84$
Legal status								
Remand	342	44 (34–55)	106	39 (26–53)	33	37 (22–55)	$P=0.78$	$P=0.49$
Convicted	272	28 (20–37)	129	17 (11–26)	20	13 (7–22)	$P<0.01$	$P<0.01$
Psychiatric diagnosis								
Any psychosis	72	73 (63–81)	30	54 (40–68)	8	56 (28–81)	$P=0.03$	$P=0.20$
Major depressive disorder	249	73 (62–82)	108	53 (39–67)	24	45 (30–60)	$P=0.01$	$P<0.01$
Other mental illness	76	28 (15–48)	24	24 (7–58)	11	56 (27–82)	$P=0.14$	$P=0.25$
None	218	25 (18–33)	77	14 (8–24)	10	7 (3–16)	$P<0.01$	$P<0.001$

Table 4 Weighted prevalence (%) of clinical symptoms of suicidality (BPRS-E) by gender, legal status and psychiatric diagnosis at T_1 , T_2 and T_3

	T_1		T_2		T_3		Change T_1 – T_3	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)	Heterogeneity	Linearity
Gender								
Men	143	8 (6–11)	34	5 (2–10)	10	3 (1–5)	$P<0.001$	$P<0.001$
Women	65	16 (11–24)	28	10 (6–16)	3	15 (5–38)	$P=0.03$	$P=0.70$
Legal status								
Remand	122	12 (8–17)	30	11 (5–24)	7	6 (3–14)	$P=0.31$	$P=0.10$
Convicted	86	7 (5–10)	31	3 (2–5)	6	3 (1–7)	$P<0.001$	$P=0.01$
Psychiatric diagnosis								
Any psychosis	42	45 (35–55)	14	24 (15–38)	3	22 (6–56)	$P=0.02$	$P=0.11$
Major depressive disorder	107	32 (24–42)	26	18 (8–38)	4	7 (2–20)	$P=0.002$	$P<0.001$
Other mental illness	22	6 (3–12)	5	3 (1–11)	1	6 (1–33)	$P=0.48$	$P=0.78$
None	37	2 (2–3)	17	2 (1–3)	5	2 (1–4)	$P=0.55$	$P=0.43$

BPRS-E, expanded Brief Psychiatric Rating Scale.

the period T_1-T_3 , GHQ prison caseness rates significantly declined in prisoners with major depressive disorder and with no mental illness. Among prisoners with any psychosis, GHQ prison caseness rates showed significant heterogeneity over T_1-T_3 , but not linearity. No statistically significant differences were observed among prisoners with any other mental illness over the study period.

At T_1 , clinical symptoms of suicidality were most prevalent among participants with psychosis (45%) and with major depressive disorder (32%). Over T_1-T_3 , clinical symptoms of suicidality reduced among prisoners with severe mental illness (psychosis and/or major depressive disorder): significant heterogeneity was found across the three time points among both prisoners with any psychosis and prisoners with major depressive disorder, with the latter also demonstrating a significant downward linear trend. No significant trends were observed in prisoners with any other mental illness or no mental illness.

Predictors of change in mental health

Table 5 presents risk ratio estimates for change outcomes (deteriorating and remaining above cut-off) according to gender, legal status and severe mental illness. Using the GHQ prison caseness measure, the risk ratio was significantly higher in prisoners with severe mental illness than those without for remaining above cut-off, but not deteriorating. Using the BPRS-E measure of clinical symptoms of suicidality, risk ratios were significantly higher in prisoners with severe mental illness than those without for both deteriorating and remaining above cut-off.

Using the GHQ prison caseness measure, the relative risk of deteriorating was significantly higher in remand prisoners than convicted prisoners, and remained significant after adjusting for severe mental illness. Using the BPRS-E measure of clinical symptoms of suicidality, risk ratios were significantly higher in remand prisoners than in convicted prisoners for both deteriorating and remaining above cut-off; after adjusting for severe mental illness, remand status only significantly predicted

deterioration. There were no significant gender differences in relative risk for either deteriorating or remaining above cut-off using either measure; risk ratios were materially unaltered following adjustment for drug dependence.

Discussion

Overall trends

During the first 2 months of custody, psychiatric symptoms did not significantly increase in any group from our sample. We found significant linear decreases in symptom intensity in three groups: men, convicted prisoners and individuals with major depressive disorder. Our findings suggest that imprisonment may not have a universally detrimental impact on mental health, even among those with pre-existing mental illness. These findings are consistent with previous studies which found that psychiatric symptoms generally stabilised or decreased during custody.^{5,14-17} Previously, authors have speculated whether positive outcomes might be attributed to factors such as safety, structure, reduced drug and alcohol consumption, and access to medication and healthcare services.^{5,14}

Levels of distress were high in the first week of custody among all newly received prisoners. Symptoms were not exclusive to prisoners with mental illness; though a higher threshold was adopted, 25% of prisoners with no mental illness met the GHQ prison cut-off for caseness at T_1 . Using the standard community cut-off (three), this figure would have risen to 60%. Our findings are consistent with previous studies that have highlighted early custody as a period of significant vulnerability and heightened risk.^{14,18,19} Such concern is justified given that a national clinical survey found that a third of prison suicides happened within the first week of custody.¹⁹

Group differences in response to imprisonment

Symptoms declined significantly among men, but not women. The notion that women are differently and disproportionately

Table 5 Weighted prevalence (%) of deteriorating (T_1 below, T_2 above) and remaining above cut-off (T_1 above, T_2 above) with and without adjustment for severe mental illness by gender, legal status and psychiatric diagnosis

	Prisoners with risk factor		Other prisoners		Unadjusted effect, RR (95% CI)	Adjusted for severe mental illness, RR (95% CI)
	n	%	n	%		
<i>GHQ prison caseness^a</i>						
T_1 below, T_2 above						
Female	16	6	32	8	0.8 (0.3–2.1)	0.7 (0.3–1.6)
Remand ^b	28	15	20	3	5.7 (2.3–14.5)	5.1 (2.0–13.4)
Severe mental illness ^c	23	15	25	5	2.8 (0.8–9.5)	na
T_1 above, T_2 above						
Female	56	22	134	15	1.4 (0.8–2.5)	1.2 (0.8–1.9)
Remand ^b	113	22	77	12	1.8 (0.9–3.4)	1.6 (0.9–2.7)
Severe mental illness ^c	115	38	75	11	3.5 (2.0–6.3)	na
<i>Clinical symptoms of suicidality (BPRS-E)^d</i>						
T_1 below, T_2 above						
Female	8	3	18	2	1.8 (0.7–4.6)	1.5 (0.6–3.8)
Remand ^b	18	3	8	1	3.0 (1.1–7.9)	2.6 (1.0–6.6)
Severe mental illness ^c	13	5	13	1	3.4 (1.4–8.3)	na
T_1 above, T_2 above						
Female	16	6	14	3	2.2 (0.6–8.4)	1.4 (0.4–5.2)
Remand ^b	17	6	13	1	4.1 (1.1–15.3)	2.9 (0.9–8.6)
Severe mental illness ^c	23	15	7	1	27.0 (8.3–87.5)	na

GHQ, General health Questionnaire; BPRS-E, expanded Brief Psychiatric Rating Scale; RR, risk ratio; na, not applicable

a. N included in model = 563/572 (98% complete).

b. Legal status at T_1 .

c. Defined as any psychosis and/or major depressive disorder.

d. N included in model = 546/572 (95% complete).

affected by imprisonment is well supported in the literature. Family life is often greatly disrupted: a third of women lose their homes and just 5% of children remain in their own home once their mother has been imprisoned.²⁰ Also, because there are fewer female prisons, women are often located further from their homes making it harder to receive visits.²¹ Women prisoners are more likely to have 'imported vulnerability';¹⁸ in particular, pre-existing psychiatric, self-harm and substance misuse problems.⁴ Last, Corsten²² argues that custodial sentences are harsher on women because prison regimes and practices have been designed for men.

Symptoms declined significantly among convicted prisoners, but not remand prisoners. Remand status significantly predicted mental health deterioration, even after adjustment for severe mental illness. It is plausible that the additional stresses associated with being a remand prisoner, including repeated court visits and considerable uncertainty regarding the future, may have contributed to sustained symptoms. Previous studies have reported higher rates of psychiatric morbidity and suicide in the remand population.^{4,19} Isolation and lack of mental stimulation have been noted as a significant source of stress and frustration among remand prisoners, who often have limited access to education or work.²³

Imprisonment generally did not exacerbate psychiatric symptoms in prisoners with severe mental illness. We observed significant linear decreases in symptoms among prisoners with major depressive disorder, and non-significant decreases among prisoners with psychosis. These findings are consistent with a study⁵ that attributed the improvements observed to safety, structure and access to psychiatric care in prison. In a minority of cases, symptoms persisted or further deteriorated. Severe mental illness was a significant predictor of continued poor mental health and deterioration. It is unclear why symptoms failed to stabilise among some individuals: possibly they possessed additional characteristics that increased their vulnerability.

Symptoms did not significantly reduce among prisoners diagnosed with any other mental illness. In this group symptoms peaked at T_3 . This finding could merely be an attrition-related anomaly; alternatively, it could hint at problems with service provision for this group. Indeed, UK prison in-reach services largely focus on severe mental illness and often primary mental healthcare services are absent or underdeveloped.²⁴ Thus, it is unclear what support is routinely available for less serious mental health problems.

Strengths and limitations

This is the largest prospective cohort study in the UK to monitor clinical changes in psychiatric symptoms among the general population of prisoners entering custody. It represents a novel contribution in a field well-populated by point-prevalence studies. Much of the previous longitudinal work in this area has used small ($n < 100$) sample sizes,^{5,16} or has been limited to a single follow-up,^{15–17} prison^{14–16} or psychiatric diagnosis.⁵ Nonetheless, our study is not without limitations.

The study chose the GHQ-12, an extensively validated self-report measure,²⁵ as the principal measure of change in mental well-being. Although the GHQ is widely recognised and used for screening purposes, retest effects have been demonstrated when used repeatedly over shorter periods.²⁶ However, the same study found that effects were limited to differences in the first two assessments,²⁶ which would not explain the linear reductions in scores observed in this study over three time points. Additionally, it does not explain the differential changes in symptom prevalence between the different groups observed. We

take further confidence in that trends identified using the GHQ-12 and BPRS-E were similar to each other and to those reported by previous studies that used versions of these tools^{5,15,16} or alternative measures.¹⁷

This study focused on exploring specific risk factors: gender, legal status and psychiatric diagnosis. These were prioritised *a priori* over other demographic, criminological and clinical factors measured in the sample. Although selective, in our opinion these represent fundamental variables within forensic psychiatry relevant to categorising adult receptions into prison and feature prominently in the existing literature considering alternatives to custody for vulnerable groups.^{6,20,21} It is inevitable, however, that other unmeasured or unexplored factors exerted unknown influences on mental health in the sample, such as drug withdrawal, prison experience and care in custody. This study should therefore be regarded as a platform from which future investigators can develop further work incorporating alternative combinations of risk factors.

As others have acknowledged,¹⁷ conducting longitudinal research in local prisons is complicated by the high turnover of prisoners and the proportion serving short sentences. This creates two reciprocally related problems: attrition bias and short duration of follow-up. Despite our best efforts to retain participants, many were released or transferred from prison. However, overall sample composition was not greatly altered and appropriate weighting was applied to prevalence estimates to correct for non-random attrition over time. Although we believe that participants who developed symptoms during the study were no more likely to have withdrawn or to have been discharged, this possibility cannot be completely ruled out. A longer follow-up period would have been preferred to determine whether the initial improvements we observed were sustained over the longer term. In a different type of study, sites with more stable populations (e.g. training prisons) might have been selected to enable longer follow-up periods. For the purposes of this study, however, it was important to sample local prisons to avoid excluding vulnerable offender populations; indeed, two-thirds of all prison suicides in England and Wales take place in local prisons.²⁷

Implications

Policy-makers and practitioners on both sides of the prison wall should take note of the findings of this study, while bearing in mind its limitations. It appears that the first 2 months of imprisonment do not have a universally detrimental impact on mental health, even among those with pre-existing mental illnesses. However, individuals may be affected differently, with poorer responses apparent in women, remand prisoners and those with pre-existing mental illnesses. Furthermore, our findings confirm that the first week of custody continues to represent a period of heightened distress and risk among all newly received prisoners.

The 'diversion agenda' has gathered momentum in recent years, with increasing calls for non-custodial alternatives for vulnerable groups.^{6,22} By reporting group differences in response to early imprisonment, our findings may usefully contribute to the growing policy and research literature surrounding this debate. Growth in the UK prison population means that for the foreseeable future, the number of people with mental illness in prisons is expected to rise.⁶ Furthermore, early custody remains a critical stage for many prisoners without a diagnosable mental illness. Thus, in addition to continuing discussions regarding diversion, improving primary and secondary mental health services and implementing robust early support systems for all

prisoners who need it should remain key priorities. Models of mental healthcare provision must continue to grow, develop and diversify if the public health opportunities of prison healthcare reform are to be fully realised.

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