## **DATA SUPPLEMENT 2**

## Table DS2.I Articles included in the review

Authors (date)	Study site	Sample source	Sample size	Mental Health Act sections
Anderson & Parrot (1995)	London	Prisoners on remand	20	Forensic
Audini & Lelliott (2002)	England and Wales	Local authority and NHS trust data	31 702	Civil
		Prisoners on remand	53	
Banerjee et al (1995) Bebbington et al (1994)	London		33	Forensic primarily Mixture
Bebbington et al (1994) Bhui et al (1998)	London	In-patients Male priceport on remand	268	Forensic
		Male prisoners on remand	101	
Birchwood et al (1992) Bowl & Barnos (1990)	Birmingham Multicentre	First-episode schizophrenia Mental Health Act assessments	?	Civil primarily
Bowl & Barnes (1990) Browne (1997)				Civil primarily Civil
Browne (1997)	London	Detained in-patients	224	
Burnett et al (1999)	London	First-contact patients	100	Civil primarily
Chen et al (1991)	Nottingham	First-episode patients	80	Civil primarily
Coid et al (2000)	Multicentre	Secure forensic admissions	3152	Forensic primarily
Cole et al (1995)	London	First-episode psychosis	93	Civil primarily
Commander et al (1997a)	Birmingham	Secondary and tertiary services	112	Mixture?
Commander <i>et al</i> (1999)	Birmingham	In-patients (non-affective psychoses)	120	Civil?
Cope & Ndegwa (1991)	West Midlands	In-patients (RSU)	109	Forensic primarily
Crowley & Simmons (1992)	London	In-patients	152	Civil
Davies et al (1996)	London	Multiple sources	413	Mixture
Dean & Webster (1991)	Manchester	First-admission detained in-patients	180	Civil
Dunn & Fahy (1990)	London	Section 136 referrals	253	Civil (section 136)
Fahy et al (1987)	London, Canterbury	Section 136 admission and other detained in-patients	466	Civil
Goater et al (1999)	London	First-contact psychosis	93	Civil primarily
Harrison et al (1999)	Nottingham	First-episode psychosis	166	Mixture
Holloway et al (1988)	London	In-patients	71	Civil primarily
ohnson et al (1998)	London	Patients with psychosis	286	Civil primarily
King et al (1994)	London	First-onset psychosis	93	Civil primarily
Koffman et al (1997)	London (N. & S. Thames)	Acute in-patient and low-level secure in-patients	3769	Mixture
Law-Min et al (2003)	Birmingham	First-admission detained in-patients	168	Civil
Lloyd & Moodley (1992)	London	In-patients	138	Civil primarily
McCreadie et al (1997)	London, Scotland	In-patients, out-patients, GP and CMHT cases	468	Mixture (probably
McGovern et al (1994)	Birmingham	Community and hospital sources	75	Mixture
McKenzie et al (1995)	London	Recent-onset psychosis in-patients	113	Civil primarily
Moodley & Perkins (1991)	London	In-patients	52	Civil primarily
Moodley & Thornicroft (1988)	London	Detained in-patients	91	Civil
Morgan et al (2005)	London, Nottingham	First-episode psychosis	462	Mixture (probably
Naismith & Coldwell (1990)	Merseyside (special hospital)	Special hospital (male patients only)	109	Forensic primarily
Owens et al (1991)	Nottingham	In-patients	110	Mixture
Parkman et al (1997)	London	Psychosis	184	Mixture?
Patrick et al (1989)	London	In-patients	60	Mixture
Pipe et al (1991)	London	Mixed	99	Section 136
Reeves et al (2002)	London	New and very late-onset schizophrenia-like psychosis	44	Civil (probably)
Riordan et al (2004)	Birmingham	Hospital order patients in MSU	55	Forensic primarily
Simmons & Hoar (200 I)	London	Patients assessed under section 136	90	Civil (section 136)
Singh et al (1998)	Nottingham	In-patients	396	Civil
Takei <i>et al</i> (1998)	London	In-patients	81	Civil primarily
Thomas et al (1993)	Manchester	In-patients	1534	Civil primarily
Tolmac & Hodes (2004)	London	Adolescent in-patients	55	Civil primarily
Furner et al (1992)	London	Section 136 referrals	100	Civil (section 136)
Valsh et al (2002)	Multi-centre	Special hospital and community sample	396	Mixture
Webber & Huxley (2004)	London	In-patient and those assessed under the Mental Health Act		Civil

CMHT, community mental health team; GP, general practitioner; MSU, medium secure unit; NHS, National Health Service; RSU, regional secure unit.

Table DS2.2	Patient-related explanations for the excess of detentions of Black and minority ethnic patients under the Mental Health Act

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>			
Explanation: higher prev	valence/diagnosis of psychosis/schizophrenia among B	lack patients			
Anderson & Parrott (1995)	None	None			
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review			
Banerjee et al (1995)	None	None			
Bebbington et al (1994)	With one statistical model, higher rate of compulsory	None			
	admissions among Black–Caribbean patients could be fully				
	explained by strong interaction between diagnosis and				
	challenging behaviour. In the second model, 'a small proportion				
	[of the excess] could reflect an increased readiness to admit				
	under compulsion in the case of Black Caribbeans' (p. 748)				
Dunn & Fahy (1990)	An association	McGovern & Cope (1987) – An association between being			
(Section 136 patients)		West Indian and a diagnosis of schizophrenia			
		Littlewood & Lipsedge (1981a) – Reported increased rates of			
		schizophrenia in patients from the Caribbean and Africa using			
		data from other research			
Fahy et al (1987)	None	Littlewood & Lipsedge (1981 <i>a</i> ) – As above			
		Rwegellera (1977) – Inception rates for all diagnostic categories			
		except reactive depression and paranoid states were			
		significantly higher among West Africans than West Indians			
		than the British			
Goater et al (1999)	An association	None			
Owens et al (1991)	None	McGovern & Cope (1987) – Reported an association between			
		being West Indian and the likelihood of receiving a diagnosis of			
		schizophrenia which was twice that for White and Asian patients			
Riordan et al (2004)	None	Cochrane (1977) – Suggests possibly the best explanation for			
		differing rates of mental hospital admissions is differential			
		selection for migration – where migration is relatively easy, the			
		less stable members of a population self-select for migration			
		but where migration is relatively difficult, only the most stable			
		can achieve migration (but provides no evidence)			
		Sharpley et al (2001) – Review of explanations for the excess o			
		psychosis among the African–Caribbean population in England			
Turner et $d$ (1992)	Nena				
Turner <i>et al</i> (1992)	None	Dean et al (1981) – First admissions for schizophrenia were five			
		times the expected number for immigrants from the West Indies			
		Harrison et al (1984) – Reported an association between being			
		West Indian and being diagnosed with schizophrenia or non-			
		affective psychosis			
Webber & Huxley (2004)	None	Harrison et al (1988) – Rates for schizophrenia were			
		substantially higher in the African–Caribbean community			
		Wessely et al (1991) – The risk of schizophrenia was greater in			
		those of African–Caribbean ethnicity, irrespective of age,			
		gender or place of birth			
		King et al (1994) – The incidence ratio for schizophrenia in all			
		minority ethnic groups compared with the White population wa			
		3.6; the corresponding ratio for non-affective psychosis was 3.7			

(Continued)

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Explanation: Black patien	nts perceived as at greater risk of violence or disturbed	d behaviour
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review
Bebbington et al (1994)	High detention rate can be explained by strong interaction	None
	between diagnosis and challenging behaviour, but not ethnicity	у.
	No interaction between ethnicity and challenging behaviour	
Browne (1997)	None, but interview data reporting subjective opinion of	None
. ,	professionals involved in the MHA	
Commander et al (1999)	An association	Whaley (1998) – Discussion and review article of the evidence
		for stereotyping and racism in mental health services in the USA
Cope & Ndegwa (1991)	None	Littlewood (1986) – Discussion paper
Dunn & Fahy (1990)	None	Hitch & Clegg (1980) – They had the 'impression' that New
		Commonwealth immigrants with schizophrenia 'seemed to be
		of a much more overt, physically excitable nature' (p. 373) and
		'more overtly disturbed than the native-born' (p. 374)
		Rwegellera (1980) – Compared with English patients, disturbed
		behaviour prior to psychiatric contact was significantly more
		often associated with West African patients; although more
		West Indian patients showed disturbed behaviour than White
		patients, this was not significant
		Harrison et al (1984) – As above
Lloyd & Moodley (1992)	An association	Harrison et al (1984) – As above Harrison et al (1984) – As above
		Lewis et al (1990) – Psychiatrists were more likely to see the
		African–Caribbean patients as potentially violent and criminal
Dia a at al (1001)	A	proceedings being slightly more appropriate
Pipe et al (1991)	An association	None
Singh et al (1998)	None	None
Webber & Huxley (2004)	None	Rogers (1990) – Police ratings regarding danger to others were
		the same for African–Caribbeans and other s.136 referrals but
		psychiatrists were more likely to rate African–Caribbeans as a
		serious or moderate danger to others
		Browne (1995) – Reference unavailable
		Singh et al (1998) – Black patients were more likely to be
		considered at risk of violence. Authors suggest that perceived
		ethnicity may influence the perception of dangerousness and
		decision-making in emergency assessments, but give no
		primary evidence
• •	of comorbid drug use among Black patients	
Law-Min et al (2003) Refers to Asian males	None	None
Explanation: language dif	ficulties	
Crowley & Simmons (1992)	None	None
Explanation: personality	selection in migration	
Fahy et al (1987)	None	London (1986) – Review article with no evidence provided
	o-seeking/poor social support	
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review
Commander et al (1999)	None – an association	Lloyd & Moodley (1992) – Suggest that this might be an
Due to differences in social		explanation but no evidence provided
Law-Min et al (2003)	None	None
Due to differences in social		

(Continued)

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Law-Min et al (2003)	None	Goldberg (1999) – Mentioned by the author but no primary
Asian patients may delay		evidence provided
seeking help by going to		
traditional healers		
Lloyd & Moodley (1992)	None	Harrison et al (1989) – Association between ethnicity and greater delays in seeking treatment
Owens et al (1991)	None	None
Due to differences in social	support	
Singh et al (1998)	None	Harrison et al (1989) – As above
Thomas et al (1993)	An association	None
Applied to African–		
Caribbean but not to Asian	patients	
Webber & Huxley (2004)	Lower social support associated with s.4 admission	Thomas et al (1993) – Using age-standardised data, found an
Lower contact leading to		association between African–Caribbean patients and lower use
delay in getting help		of hospital and primary care services compared with
/ ··· 8k		Europeans, but this was not true for the Asian patients
		Ineichen (1991) – Review study with no primary evidence
Evidence against patient-	related explanations	
Coid et al (2000)	Both African–Caribbean and Asian patients came from more	None
Admissions to an RSU:	socio-economically deprived areas, but African–Caribbean	
socio-economic status does	patients were more likely to be detained and Asian patients	
not explain the higher	less likely to be detained than White patients	
detention rates		
Lloyd & Moodley (1992)	There remained a significant association between ethnicity	None
Disturbed behaviour does	and compulsory detention, even after adjusting for disturbed	
not account for the excess	behaviour	
Moodley & Perkins (1991)	Higher rates of psychosis did not account for the higher	None
Higher rates of psychosis do not explain the higher	detention rate	
detention rates		
Morgan et al (2005)	Higher detention rates could not be explained by perceived	Rwegellera (1980) – As above
Perceived risk and diagnosis		Owens et al (1991) – No association was found between being
do not account for the	·····	African–Caribbean and the amount of publicly manifest
excess		disturbance compared with White compulsorily admitted
		patients, but there were trends towards more behavioural
		'disturbance' overall
		Pipe et al (1991) – Among s.136 referrals, there was an associa-
		tion between young African–Caribbean males and Africans and
		being perceived as threatening, incoherent and disturbed
Morgan et al (2005)	Although social isolation was independently associated with	Szmukler et al (1981) – When compulsorily admitted patients
Social isolation does not	compulsory admission, it did not account for the ethnic	were compared with voluntary ones, there was an association
account for the higher	differences	between living alone, being friendless and having had no
rates	unerences	contact with a relative over the previous 6 months. However,
. ates		these authors did not look at ethnicity
		Cole et al (1995) – Variables associated with social support were
		more important than ethnicity in determining pathways to care
		Burnett et al (1999) – Unemployment, living alone and living in public housing word all significantly associated with pathways
		public housing were all significantly associated with pathways
		to care and compulsory admission

MHA, Mental Health Act; RSU, regional secure unit.
I. Primary evidence refers to supporting evidence provided direct from the study data. Where the data show correlation between variables without causal interpretations being made, it is categorised as an association.
2. Secondary evidence refers to citations supporting a suggested explanation; a summary of the relevant findings is provided.

Authors offering explanation	Primary evidence'	Secondary evidence <sup>2</sup>
Explanation: different	expression of illness – more challenging behaviour/viol	ence
Goater et al (1999)	None – An association	Koffman et al (1997) – Black in-patients were more likely to be in locked wards
Koffman et al (1997)	None	Harrison et al (1984) – As in Table I DS2.2
Cultural expression of		Littlewood & Lipsedge (1982) – A book on mental health and
distress by Black people		ethnicity
increases likelihood of		
identification by lay peop	le	
and police arrest		
McGovern et al (1994)	None	Harrison et al (1984) – As above
Singh et al (1998)	None	None
Severity of psychopathol	ogy	
Explanation: different	patterns of criminal behaviour associated with mental	illness
Coid et al (2000)	None	None
Black but not Asian patie	ents	
admitted to an RSU		
Explanation: Less adhe	rence to medication	
Singh et al (1998)	None	Sellwood & Terrier (1994) – Non-adherence to antipsychotic
		medication was associated with being African–Caribbean.
		Logistic regression revealed that gender and ethnicity were
		significant predictors of extreme non-adherence.
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review
Explanation: Poorer in	sight and more denial of illness	
Cole et al (1995)	None	Perkins & Moodley (1993) – African–Caribbean patients were
		more likely than White patients to say they had no problems
		and to be compulsorily admitted
Commander et al (1999)	An association	Perkins & Moodley (1993) – As above
Law-Min et al (2003)	None	None
Law-Min et al (2003)	None	None
Denial of illness/insight		
(Asian patients)		
Singh et al (1998)	None	Perkins & Moodley (1993) – As above
Evidence against sugge	-	
Owens et al (1991)	No difference between Black and White sectioned patients	
	in 'publicly manifest disturbance'	
McKenzie et al (1995)	An association	None
Not different expression		
of illness/clinical state		

RSU, regional secure unit. I. Primary evidence refers to supporting evidence provided direct from the study. Where the data show a correlation between variables without causal interpretations being made, it is categorised as an association.

2. Secondary evidence refers to evidence supporting a suggested explanation together with a summary of the relevant findings is provided.

## Table DS2.4 Service-related explanations for the excess of detentions of Black and minority ethnic patients under the Mental Health Act

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Explanation: misdiagnosis, underrecognition	of psychiatric disturbar	nce, lower likelihood of referral to specialist services
Crowley & Simmons (1992)	None	None
Dunn & Fahy (1990)	None	None
Section 136 patients: misidentification of mental		
disorder in African–Caribbean people by the police		
leading to inappropriate referrals		
Fahy et al (1987)	None	Burke (1984) – Evidence of underdiagnosis of depression in West
		Indian patients in primary care, and West Indians were under-
		represented in referrals to out-patient clinics
Goater et al (1999)	None	Odell et al (1997) – GPs were less likely to identify psychological
		problems in Asian and Black than White patients
Law-Min et al (2003)	None	Wilson & MacCarthy (1994) – GPs were more likely to identify psy-
Misdiagnosis of Asian patients as having a physical		chiatric morbidity in White than Asian patients, who were more
illness		likely to see their problems as physical rather than psychiatric
Law-Min et al (2003)	None	Burnett <i>et al</i> (1999) – As above Table DS2.2
A lower likelihood of African-Caribbean patients	None	Commander et al (1997) – White patients were more likely than
being referred to specialist services		Black patients to have their mental health problems identified by
being referred to specialist services		their GP
Law-Min et al (2003)	None	Commander et al (1997) – As above
Less likelihood of referral of Asian patients to		
specialist services, causing delay		
McGovern et al (1994)	None	Dunn & Fahy (1990) – Suggestion that overidentification of mental
Under-recognition of mental illness in Black people		illness by the police was not occurring but they do not know how
by the police, with greater risk of arrest and detention	on	many mentally ill people are being inappropriately referred to the
		courts or are being dealt with without psychiatric referral
		McGovern (1988) – Reference to a conference presentation was
		unavailable
Takei et al (1998)	None	None
African–Caribbean patients diagnosed with		
schizophrenia may be suffering from psychosis with		
underlying affective basis, receiving inappropriate		
treatment and at greater risk of detention		
Explanation: Black patients have greater cont	act with the police	
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review
Cope & Ndegwa (1991)	None	None
The combination of being mentally ill and 'arrest-		
prone' and the police failing to detect mental illness		
in those they arrest		
McGovern et al (1994)	None	Harrison et al (1989) – A non-significant association between
Greater involvement of the police with members		African–Caribbean ethnicity and greater involvement of the police
of the Black community		in the early stages of help-seeking. They also refer to another study
		'in preparation' which 'illustrates the role played sometimes by
		relatives themselves in contacting the police rather than involving
		other appropriate agencies' (p. 694)
		Harrison et al (1984) – An association between African–Caribbean
		ethnicity and referral to psychiatric services through police agencies
		and frequent admission from public places following public
		disturbance
Moodley & Perkins (1991)	None	None
Police involvement leading to a cycle of disengagemen		
Turner et al (1992)	None	Harrison et al (1984) – There were significant associations between
Police behaviour, e.g. 'stop and search'		West Indian ethnicity and police-initiated admission and admission
		from a public place via a police station, but differences in 'police
		involvement' were non-significant

(Continued)

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Explanation: Racial stereotyping, labelling and	d discrimination, including di	ifferential management of patients
Takei et al (1998)	None	Lewis et al (1990) – A case vignette describing an African–Caribbean
Racial stereotyping may affect clinical management		psychotic patient was more likely to be seen as potentially violent and to require criminal proceedings than White patients
Takei et al (1998)	None	None
Specific prejudice against African–Caribbeans with		
schizophrenia but not those with bipolar disorder		
McGovern et al (1994)	None	Cope & Ndegwa (1991) – Suggest racial stereotyping by psychiatric
Exclusion of African–Caribbean patients from		professionals may lead to rejection, but provide no primary evidence
psychiatric system as they are stereotyped as difficu	lt	
and dangerous		
Banerjee et al (1995)	None	None
Referring to patients on remand		
Bowl & Barnes (1990)	None	None
Cultural bias in psychiatry		
Browne (1997)	None	None
Crowley & Simmons (1992)	None	None
Racism in psychiatry		
Goater et al (1999)	None	Koffman et al (1997) – As above
Racism or stereotyping in psychiatry		
Goater et al (1999)	None	None
Mistrust by clinicians and less likely to form		
collaborative therapeutic relationships		
McGovern et al (1994)	None	Lewis et al (1990) – As above
McGovern et al (1994)	None	None
Labelling by psychiatrists, with increased		
hospitalisation leading to more negative symptoms		
and more stigma		
Lloyd & Moodley (1992)	None	Fernando (1988) – Psychiatry is both implicitly and explicitly racist
		both in service provision and diagnosis
Pipe et al (1991) Racism in psychiatry and	None	Fernando (1988) – As above
insensitivity to cultural differences		
Turner et al (1992)	None	Littlewood & Lipsedge (1988) – Review study with no primary
		evidence of its own
Webber & Huxley (2004)	None	Fernando (2001) – Institutional racism in British psychiatry,
		no primary evidence
Evidence against suggested explanations		
Bebbington et al (1994)	None	None, but suggest that misdiagnosis is unlikely to be a cause of
		excess detention
Morgan et al (2005)	Criminal justice involvement	None
Not pathways	did not fully account for ethnic	
	variation in detention	
Turner <i>et al</i> (1992)	An association – not mis-	Littlewood & Lipsedge (1981b) – Concluded that the excess
Not transcultural misdiagnosis	diagnosis: found no major	diagnosis of schizophrenia might be accounted for at least partially
	differences in the course and	by the occurrence of acute psychotic reactions which are diagnosed
	symptoms of psychotic illness	as schizophrenia
	between White and African-	Harvey et al (1990) – No support for the hypothesis that
	Caribbean groups	misdiagnosis within the psychoses explains the higher admission
		rates for schizophrenia of African–Caribbean patients

GP, general practitioner.
 Primary evidence refers to supporting evidence provided direct from the study. Where the data show a correlation between variables without causal interpretations being made, it is categorised as an association.
 Secondary evidence refers to citations to support a suggested explanation; a summary of the relevant findings is provided.

Table DS2.5 Culture-related explanations for the excess of detentions of Black and minority ethnic patients under the Mental Health Act

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Explanation: different cultural norms of b	ehaviour	
Browne (1997)	None — interview data with	None
	police and clinicians who	
	suggested this	
Riordan et al (2004)	None	Sharpley et al (2001) – Review paper with no primary evidence
Explanation: different explanatory mode	ls of illness	
Commander et al (1999)	None	Morley et al (1991) – Attitudes of relatives of African–Caribbean
		patients admitted voluntarily and compulsorily did not differ. It w
		concluded that the attitudes of relatives did not contribute to the
		likelihood of compulsory admission
Fahy et al (1987)	None	Hitch & Clegg (1980) – Discussion of the possible effects of stigma
		and cultural attitudes to mental illness
Explanation: ethnic disadvantage due to s	ocietal racism	
McGovern et al (1994)	None	None
Explanation: attitudes to mental illness a	nd perception of roles of service	S
Goater et al (1999)	Yes	None
Owens et al (1991)	None	None
Explanation: greater stigma (leading to n	on-adherence)	
Cole et al (1995)	None	Harrison et al (1989) – Their evidence 'suggests that there may be
Stigma associated with mental illness may incre	ease	stigmatisation of mental illness in Afro-Caribbeans greater even
delay in help-seeking		than in the rest of the community' (p. 693) but no primary evidence
Law-Min et al (2003)	None	None
Asian patients may fear disgrace or being unab	le	
to find a marriage partner		
Explanation: Black people's 'social life' ta	kes place more often in public	
Koffman et al (1997)	None	Bean (1986) – A suggestion with no evidence
Social life takes place more often in public so		
mental illness is more likely to be detected and	l dealt	
with by (e.g.) the police		

categorised as an association.

2. Secondary evidence refers to citations to support a suggested explanation; a summary of the relevant findings is provided.

Authors offering explanation	Primary evidence <sup>1</sup>	Secondary evidence <sup>2</sup>
Explanation: alienation from services/diss	atisfaction/negative perce	ption of services/mistrust
Audini & Lelliott (2002)	None	Wall et al (1999) – Systematic review
Cole et al (1995)	None	'All Black' television documentary series, BBC2, 1993; not seen
Cope & Ndegwa (1991)	None	Francis et al (1989) – Descriptive discussion paper which commen
Perception of psychiatric services as racist,		on the excess of Black patients detained and treated against their
coercive and inappropriate to their needs		will and assumes such patients have negative perceptions of Britis
		psychiatry
Commander et al (1999)	An association	Callan & Littlewood (1998) – From interviews, concluded the mo
Dissatisfaction with admission process		significant association with satisfaction was not ethnic origin but
		concordance between patients' and psychiatrists' explanatory mode
		Cole et al (1995) – No primary evidence about satisfaction was provide
		Leavey et al (1997) – There was no difference in satisfaction with
		services between Black and other patients with first-episode
		schizophrenia but there were some differences between their
		relatives; this was an association
Crowley & Simmons (1992)	None	None
Davies et al (1996)	None	McGovern & Cope (1987) – Suggest there might be a poor
		relationship between West Indian patients and psychiatric and othe
		agencies but do not provide any evidence
Davies et al (1995)	None	Bebbington et al (1994) – Discuss the possible impact of insight or
Perception of services as un-therapeutic,		denial of illness but do not directly refer to perceptions of services
with delayed help-seeking		and delay. No primary evidence provided
Law-Min et al (2003)	None	McGovern & Cope (1991) – African–Caribbean patients were less
		likely to make and maintain contact with primary and secondary
		services voluntarily
Lloyd & Moodley (1992)	None	Francis et al (1989) – Descriptive discussion paper commenting on
Perception of services as inaccessible		the excess of Black patients detained and treated against their will
		and assumes such patients have negative perceptions of British
		psychiatry
Lloyd & Moodley (1992)	None	None
Patient dissatisfaction shaped by previous		
experience, leading to later presentation		
Owens et al (1991)	None	None
Riordan et al (2004)	None	Audini & Lelliott (2002) – Suggest mistrust is important, but
		provide no primary evidence
Takei et al (1998)	None	None
Explanation: poor engagement with service	es	
Singh et al (1998)	None	None
Explanation: absence of GP/unwillingness	to consult GP	
Burnett et al (1999)	An association	None
Law-Min et al (2003)	None	Lloyd & St Louis (1996) – Reported low attendance of Black males
		at a GP surgery and GPs were less likely to report psychological
		problems in the Black than in the White women
Explanation: services not meeting the nee	ds of ethnic minorities	
Crowley & Simmons (1992)	None	None
Explanation: services lack cultural underst	anding	
Audini & Lelliott (2002)	None	None
Bowl & Barnes (1990)	None	None

Primary evidence refers to supporting evidence provided direct from the study. Where the data show a correlation between variables without causal interpretations being made, it is categorised as an association.
 Secondary evidence refers to citations to support a suggested explanation; a summary of the relevant findings is provided.

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