

TABLE OF CONTENTS

FOREWORD	iii
LIST OF FIGURES	xi
LIST OF TABLES	xiii
EXECUTIVE SUMMARY	1
Overview	1
Market	2
Politics and regulation	7
Payors	7
Major providers	9
Investors	12
Market potential	13
1. MARKET	15
1.1 Market definition	15
1.1.1 Mental health hospitals	15
1.1.2 Community mental health services	15
1.1.3 Elements of mental health services not covered by this report	15
1.2 Market size	16
1.3 Market size trends	18
1.3.1 Independent sector growth	18
1.3.1.1 Historic independent sector growth patterns	19
1.3.1.2 Independent sector capacity stable and occupancy strong	20
1.3.2 All sectors decline in capacity and volume of demand	20
1.3.2.1 Occupied beds	21
1.4 Funding – by payor type	22
1.5 Segmentation by security level and patient type	23
1.5.1 Results of LaingBuisson’s 2017 survey of independent mental health hospitals	23
1.5.2 Breakdown of capacity by security level	25
1.5.3 Breakdown of capacity by patient type	26
1.5.4 Market concentration by security level	27
1.5.5 Secure mental health hospital treatment	28
1.5.6 High Secure	30
1.5.7 Medium Secure	30
1.5.8 Low Secure and Psychiatric Intensive Care Units (PICUs)	32
1.5.8.1 Historic trends in secure provision (medium, low and PICU combined)	34
1.5.8.2 Regional variations in secure provision (medium, low and PICU combined)	35
1.5.9 Secure services occupancy rates	36
1.5.10 Market dynamics – risks to secure providers arising from monopsony purchasing power of the NHS	37

1.5.11	Children's and Adolescents' Mental Health Services (CAMHS)	39
1.5.11.1	Historic trends in CAMHS Tier 4 provision	40
1.5.11.2	Regional differences in CAMHS Tier 4 provision	42
1.5.11.3	CAMHS occupancy rates	42
1.5.11.4	Major providers and market concentration in Tier 4 CAMHS	42
1.5.11.5	Market dynamics – risks to CAMHS providers arising from monopsony purchasing power of the NHS	43
1.5.12	Eating disorders (adult)	44
1.5.13	Neuro-rehabilitation	44
1.5.13.1	Causes of ABI and underlying demand	45
1.5.13.2	Patient pathway	46
1.5.13.3	Historic trends and regional variations in neuro-rehabilitation capacity	47
1.5.13.4	Brain injury unit occupancy rates	47
1.5.13.5	Brain injury market segmentation by value	47
1.5.13.6	Major independent sector providers of brain injury services in residential settings	49
1.5.13.7	Market concentration	49
1.5.13.8	Sources of funding	49
1.5.13.9	Market dynamics	49
1.5.14	Substance misuse rehabilitation	49
1.5.14.1	Substance misuse capacity in hospitals	50
1.5.14.2	Substance misuse capacity within independent sector care homes	50
1.5.14.3	Market value of substance misuse rehabilitation	51
1.5.14.4	Sources of funding for substance misuse rehabilitation	51
1.5.14.5	Major independent sector providers of substance misuse rehabilitation in residential settings	52
1.5.14.6	Public sector funding of substance misuse programmes	53
1.5.15	Open acute adult general psychiatry	53
1.5.16	Learning disabilities and autism	53
1.5.16.1	Market size and independent sector share	53
1.5.16.2	Hospital provision for learning disabilities / autism is a declining and threatened sector	55
1.5.17	Locked rehab	58
1.5.18	All other non-secure and step-down mental health hospitals	60
1.6	Demand drivers	62
1.6.1	Fundamental demand drivers	62
1.6.1.1	Prevalence of mental illness	62
1.6.1.2	Demography	64
1.6.1.3	Fear	65
1.6.1.4	Growing recognition of mental illnesses	67
1.6.1.5	NHS funding – priority given to mental health	67
1.6.2	Drivers of NHS outsourcing	67

1.6.2.1	Outsourcing may be at risk from NHS efficiency drives	68
1.6.2.2	Out of Area Placements (OAPs)	69
1.6.2.3	NHS in-house capacity – will it continue its long term declining trend?	70
1.6.2.4	Price	71
1.6.2.5	Level playing field for independent and public sector players?	71
1.6.3	Drivers of private demand (PMI, self-pay and other)	71
1.6.3.1	PMI	71
1.6.3.2	Self-pay and ‘other’	73
1.7	Supply and demand	73
1.8	Key operational statistics	74
1.8.1	Occupancy rates in independent mental health hospitals	74
1.8.2	Fees in independent mental health hospitals	75
1.9	Business models – strengths and weaknesses	76
1.9.1	Asset heavy business model	76
1.9.2	Variations in business models	77
1.10	Performance measures	78
1.10.1	Financial performance – underlying profitability	78
1.10.2	Margin pressure on mental health hospitals less severe than for care homes	80
1.10.3	Quality performance – CQC ratings	80
1.11	Community Mental Health Services	82
1.11.1	Scale of the community based mental health services sector	82
1.11.1.1	Expenditure on community mental health services	82
1.11.1.2	Community mental health services activity	83
1.11.2	NHS prime focus on community mental health services	84
1.11.3	Current extent of outsourcing of community mental health services	85
1.11.3.1	Outsourcing very limited	85
1.11.3.2	Reasons for limited outsourcing of NHS community mental health services	85
1.11.3.3	Evidence of limited outsourcing from MHSDS returns	86
1.11.4	Improving access to psychological therapies (IAPT): an NHS priority	86
1.11.4.1	Critics of the IAPT programme	87
1.11.4.2	Unit costs of IAPT	88
1.11.4.3	NHS in-house and independent sector market shares of IAPT	88
1.11.5	Other talking therapy programmes	89
1.11.6	PMI extends reimbursement to non-consultant led services	89
2.	POLITICS AND REGULATION	91
2.1	History of independent mental health services in the UK	91
2.2	National policies	91
2.2.1	Political attitudes to outsourcing, competition and ‘marketisation’ of the NHS	92
2.2.1.1	From ‘Old’ to New Labour 1997–2002	92
2.2.1.2	Patient Choice, Provider Plurality and Payment by Results 2002–2007	93

2.2.1.3	Threat of a step backwards – ‘NHS as preferred provider’ mooted 2007–2010	93
2.2.1.4	Coalition government NHS reforms 2010–2015	93
2.2.1.5	Conservative administration under David Cameron 2015–2016 and Theresa May 2016–	94
2.2.2	Government policies regarding other mental health issues	95
2.3	Legislation	96
2.3.1	Mental Health Act 2007	96
2.3.2	Health and Social Care Act 2008 – creation of CQC and the current regulatory framework	97
2.3.3	Health and Social Care Act 2012 – the centrepiece of the Coalition government reforms	97
2.3.3.1	Section 75 regulations on NHS procurement	99
2.3.3.2	Level playing field	99
2.3.4	Scotland, Wales and Northern Ireland	101
2.4	Regulation of the independent mental health sector in England	101
2.4.1	From ‘Essential’ to ‘Fundamental’ standards of quality and safety, 2010 -	102
2.4.1.1	List of Fundamental Standards	102
2.4.1.2	Enforcement of Fundamental Standards	103
2.4.1.3	Ratings performance – evidence to date on Fundamental Standards	103
2.4.1.4	Regulatory risk – and how it can be minimised	104
2.4.2	Other regulations to which mental health hospital providers are subject	104
3.	PAYORS	105
3.1	Payor breakdown and trends	105
3.1.1	NHS funding for mental health services	105
3.1.1.1	NHS expenditure trends over the last decade	105
3.1.1.2	Spending on social care for people with mental health problems and learning disabilities	107
3.1.2	CCG and NHS England spending on mental health services	108
3.1.3	Future funding prospects	110
3.1.4	Parity of esteem	110
3.2	Public sector commissioners (the NHS)	111
3.2.1	Central and local NHS commissioning of mental health services	111
3.2.2	Specialised mental health services commissioned by NHS England (in England)	111
3.2.3	Mental health commissioning by CCGs	114
3.2.4	Features common to centralised and local NHS mental health commissioning	115
3.2.4.1	NHS Standard Contract (including CQUIN)	115
3.2.4.2	Efficiency savings (QIPP)	116
3.2.4.3	Downward pressure on provider prices generally throughout the NHS	116
3.2.4.4	Extension of Payment by Results (PbR) to mental health services	116
3.2.4.5	NHS reference costs	117
3.2.4.6	NHS as monopsony purchaser	118
3.2.5	NHS commissioning from independent sector more sophisticated than from in-house	118

3.2.5.1	Trends in NHS commissioning from independent sector providers	118
3.2.5.2	'Lazy' NHS commissioning from NHS in-house providers	119
3.2.6	Opportunities for the independent sector to further grow its market share	119
3.2.6.1	Limited emergence of non-residential solutions as substitutes for independent sector hospitals	122
3.2.6.2	Deeper imperfections in competition between public and private providers	122
3.2.6.3	Relative costs of NHS and independent sector providers	123
3.2.6.4	Competition and partnership opportunities with NHS providers	123
3.2.7	Summary of market dynamics for NHS paid mental health hospital services	124
3.3	PMI and company paid medical expenses schemes	126
3.4	Self pay	127
4.	MAJOR PROVIDERS	129
4.1	Market concentration and group penetration	129
4.2	Consolidation trends	131
4.2.1	Competition and Markets Authority oversight	132
4.3	Exits and entries	132
4.3.1	At the group level	132
4.3.2	At the establishment level	133
4.4	Business failures and recapitalisations	134
4.4.1	Care Principles	134
4.4.2	Castlebeck Group	134
4.4.3	St Luke's Healthcare	135
4.5	Age and quality of stock	135
4.6	Segmentation by provider type	135
4.7	Sources of capital	136
4.8	Economies of scale and scope	137
4.9	Barriers to entry	138
4.10	Brands	138
4.11	Major provider profiles	140
4.11.1	Cygnit Health Care Ltd	140
4.11.2	Elysium Healthcare	142
4.11.3	Four Seasons Health Care (Huntercombe Group division)	143
4.11.4	Priory Group (healthcare division)	145
4.11.5	St Andrew's Healthcare	147
5.	INVESTORS	149
5.1	Major investors and their UK mental health holdings	149
5.1.1	Acadia Healthcare Company, Inc.	149
5.1.2	BC partners	149
5.1.3	G Square Healthcare Private Equity LLP	149
5.1.4	Groupe Sinoué	150
5.1.5	Sovereign Capital Partners LLP	150

5.1.6	Terra Firma Capital Partners Ltd	150
5.1.7	Universal Health Services, Inc.	150
5.2	Mergers and acquisitions, deal values and enterprise value multiples	151
5.2.1	Exit multiples	152
5.2.1.1	Exit multiples over the past three years from 2014	152
5.2.1.2	Exit multiples before and after the global credit crisis and up to 2014	152
6.	MARKET POTENTIAL	155
APPENDIX 1 – GLOSSARY		157
APPENDIX 2 – KEY LEGISLATION		159
APPENDIX 3 – REGULATORS		161
APPENDIX 4 – TRADE BODIES		163
APPENDIX 5 – CLINICAL COMMISSIONING GROUPS		165
APPENDIX 6 – MENTAL HEALTH NETWORK MEMBERS		183
APPENDIX 7 – KEY SOURCES		189
APPENDIX 8 – FINANCIAL APPENDIX		191

LIST OF FIGURES

Figure 1.1	Mental health and learning disabilities, annual value of global addressable healthcare market, UK 2016/17	16
Figure 1.2	Mental health hospital bed capacity, UK 2017	17
Figure 1.3	Segmentation of mental health hospital occupied beds into four quadrants of finance and supply (all mental health hospital beds other than long stay older mentally ill), UK 2017	17
Figure 1.4	Independent mental health hospitals, growth in capacity and market value, UK 2003–2017	18
Figure 1.5	Mental health hospital bed capacity UK (excluding NHS elderly mentally infirm and other adult long stay provision and NHS residential care), 1993–2017	21
Figure 1.6	Independent sector mental health hospital capacity by patient type and security level, UK 2017	26
Figure 1.7	Secure mental health hospital market value by provider sector & security level, UK 2016	28
Figure 1.8	Secure capacity trends, mental illness and learning disabilities (excluding high secure) UK 2001–2017	34
Figure 1.9	CAMHS market value by provider sector, UK 2016 all tiers	39
Figure 1.10	NHS commissioned places for Tier 4 CAMHS, England 1999–2014	40
Figure 1.11	Brain injury residential rehabilitation market share by provider sector, UK 2016	47
Figure 1.12	Substance misuse treatment and rehabilitation in residential settings (Tier 4) market share by provider sector, UK 2016	51
Figure 1.13	NHS mental health hospital services for learning disabled adults – estimated market share by provider sector, UK 2017	54
Figure 1.14	NHS hospital in-patients in the specialty of learning disabilities, England 1999–2017 (March)	55
Figure 1.15	Impact of the Building the Right Support (BRS) programme on demand for hospital in-patient services for people with learning disabilities and autism in England, a scenario built on limited available data	57
Figure 1.16	Locked rehab market value, UK 2016	58
Figure 1.17	People in contact with NHS secondary mental health services, England June 2017	64
Figure 1.18	Detained patients in mental health hospitals March 2000–2016, England, resident patients at year end	66
Figure 1.19	Detained patients in mental health hospitals March 2000–2016, England, admissions in year	66
Figure 1.20	Occupancy rates reported by Priory Group for its healthcare division, St Andrew’s Healthcare and Four Seasons Health Care for its Huntercombe division, compared with NHS in-house, 2010–2017	75

Figure 1.21	Average mental health hospital fees, trends reported by Priory Group, 2010–2015	76
Figure 1.22	Underlying profitability of major mental health hospital operators, EBITDAR as % revenue 2006–2016	78
Figure 1.23	NHS mental health service activity in England at a point of time, end June 2017	83
Figure 1.24	People commencing IAPT treatment, England 2008/09–2016/17	87
Figure 1.25	IAPT referrals by provider type, England second quarter 2014/15	88
Figure 3.1	Segmentation (estimated) of independent mental health hospital revenue by central and local NHS commissioning budgets, UK 2016	105
Figure 3.2	NHS gross expenditure on mental health services inclusive of service administration overheads, England 2004/05 to 2015/16	107
Figure 4.1	Market concentration, NHS and independent mental health hospital beds, UK 2017	130
Figure 4.2	Market concentration trends (share of independent sector mental health hospital market value operated by the four largest groups), UK 2005–2017	131
Figure 4.3	Changes in capacity from openings, closures and other changes, UK independent mental health hospitals 2007–2017	133
Figure 4.4	Age of mental health hospital stock, currently (2017) open UK bed capacity by date of 1st registration	135
Figure 4.5	Segmentation by provider type, UK mental health hospital capacity 2017	136

LIST OF TABLES

Table 1.1	Independent mental health hospitals, growth in capacity and market value, UK 2003–2017	19
Table 1.2	Payment sources for independent mental health hospitals, UK 2016	22
Table 1.3A	Independent sector mental health hospital capacity, NUMBER OF BEDS by patient type and security level, UK 2017	24
Table 1.3B	Independent sector mental health hospital units by patient type and security level, UK 2017	24
Table 1.3C	Independent sector mental health hospital MARKET VALUE by patient type and security level, UK 2016, £ million	25
Table 1.4	Major providers of secure mental health hospitals (medium secure, low secure and PICU combined – but excluding high secure), aggregate capacity and market share UK 2017	29
Table 1.5	Medium secure independent mental health hospital capacity by group provider UK 2017	32
Table 1.6	Low secure independent sector mental health hospital capacity by provider UK 2017	33
Table 1.7	PICU independent sector mental health hospital capacity by group provider UK 2017	33
Table 1.8	Secure bed capacity by region, UK 2017	36
Table 1.9	Major providers of CAMHS Tier 4 mental health hospitals, aggregate capacity and market share UK 2017	43
Table 1.10	Major providers of hospital units and care homes with brain injury/neuro-rehabilitation as primary client type, UK independent sector 2017 and NHS in-house estimate	48
Table 1.11	Capacity in care homes with primary client type of substance misuse, UK 2017	50
Table 1.12	Major providers of hospital units and care homes offering substance misuse rehabilitation, UK independent sector 2017	52
Table 1.13	Locked rehab independent sector mental health hospital capacity by provider UK 2017	59
Table 1.14	Other (non-secure) independent sector mental health hospital capacity by group provider UK 2017	61
Table 1.15	Numbers of people in the UK with specific mental disorders	63
Table 1.16	Out of Area Placements (OAPs) active at the end of June 2017	70
Table 1.17	Recent financial results of major for-profit mental health hospital groups in the UK, £000s	79
Table 1.18	CQC ratings of major mental health hospital groups, England October 2017	81
Table 1.19	Derivation of direct spending on NHS community mental health services for younger adults and children (excluding dementia and other older people's services) in the UK, 2016	82
Table 3.1	NHS spending on hospital and community mental health services for younger adults (excluding children and older people over 65) by direct service category, England 2011/12	108

Table 3.2	NHS England specialised commissioning hubs with responsibility for commissioning prescribed services	113
Table 3.3	NHS reference costs for selected in-patient mental health services 2015/16, NHS in-house and independent sector provision combined, £ per day	117
Table 4.1	Market concentration, independent mental health hospitals, 2017 (beds) & 2016/17 (revenue)	129
Table 5.1	Mental health hospitals mergers and acquisitions with exit multiples (enterprise value ÷ EBITDAR/EBITDA) where available 2005–2017	153
Table 6.1	Leading independent sector providers of mental health hospitals and adult specialist care homes by bed capacity, UK 2017	156