

National Audit of Hospital Mortality Annual Report 2016

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National Audit of Hospital Mortality

**Annual Report 2016
Technical Appendix**



NATIONAL AUDIT OF HOSPITAL MORTALITY TECHNICAL APPENDIX 2016

This document is supplemental to the National Audit of Hospital Mortality Annual Report 2016. Data is presented in control charts over five years for six key medical diagnoses:- AMI, heart failure, ischaemic stroke, haemorrhagic stroke, COPD and pneumonia.

For further information on these diagnoses please refer to the main report available at www.noca.ie.

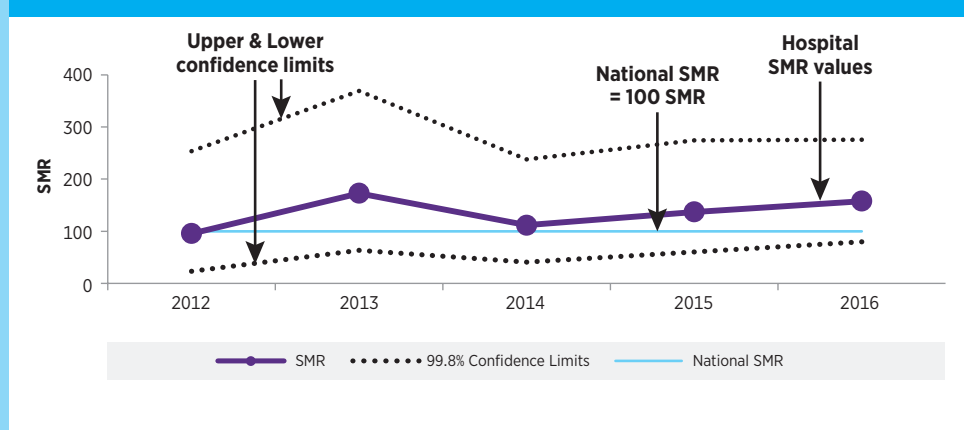
SMR control charts



The SMR control charts for key diagnosis from 2012 to 2016 show three horizontal traces set against the national SMR of 100 (blue line). An SMR of 100 means that the number of observed and expected deaths are exactly the same. The middle, bold trace is the SMR trend, calculated year on year for that key diagnosis and for that hospital. The upper, dotted line represents the upper 99.8% confidence limit; the lower, dotted line represents the lower 99.8% confidence limit.

If the line SMR=100 appears above or below the dotted confidence limit lines; this means that the SMR in that hospital for that condition is significantly higher (or significantly lower) than expected. It is unusual for that to happen due to chance (probability of 1 in 500). These observations represent variation worthy of further review.

SAMPLE CONTROL CHART HOSPITAL SMR



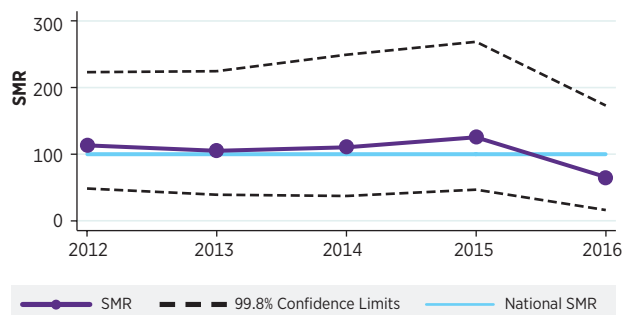
TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2016 - AMI

Hospital Group	Hospital Name	No. of Admissions for AMI, 2016	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	214	65 (20 - 195)
	Cavan General Hospital	190	70 (33 - 177)
	Connolly Hospital	142	114 (0 - 228)
	Our Lady of Lourdes Hospital Drogheda	190	117 (30 - 182)
Ireland East Hospital Group	Mater Misericordiae University Hospital	450	150 (33 - 177)
	Regional Hospital Mullingar	101	128 (-14 - 248)
	Our Lady's Hospital Navan	147	41 (1 - 227)
	St. Luke's Hospital, Kilkenny	223	77 (13 - 204)
	St. Vincent's University Hospital	259	125 (38 - 170)
	Wexford General Hospital	218	55 (15 - 202)
Dublin Midlands Hospital Group	Naas General Hospital	100	70 (6 - 216)
	St James's Hospital	523	181 (37 - 172)
	Tallaght (Adult) Hospital	207	109 (10 - 212)
UL Hospital Group	University Hospital Limerick	524	89 (45 - 162)
South / South West Hospital Group	Cork University Hospital	604	107 (37 - 172)
	University Hospital Kerry	121	130 (0 - 230)
	University Hospital Waterford	179	110 (21 - 194)
Saolta University Healthcare Group	Galway University Hospitals	530	91 (43 - 165)
	Letterkenny University Hospital	148	140 (12 - 207)
	Mayo University Hospital	249	87 (24 - 189)
	Portiuncula University Hospital	119	87 (13 - 204)
	Sligo University Hospital	145	21 (12 - 208)

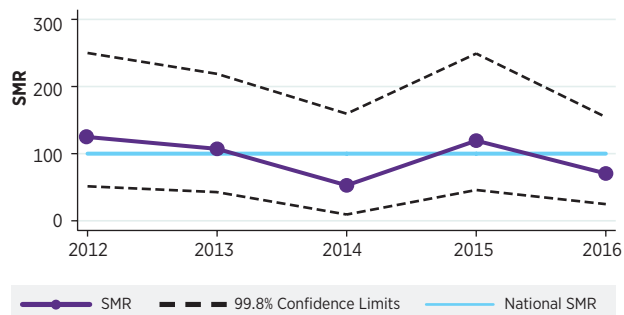
AMI SMR TREND CHARTS

RCSI Hospital Group

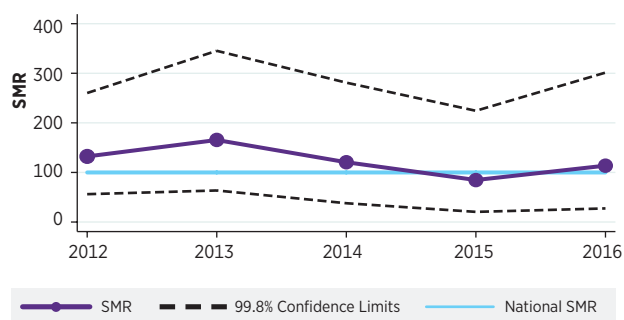
Beaumont Hospital: AMI



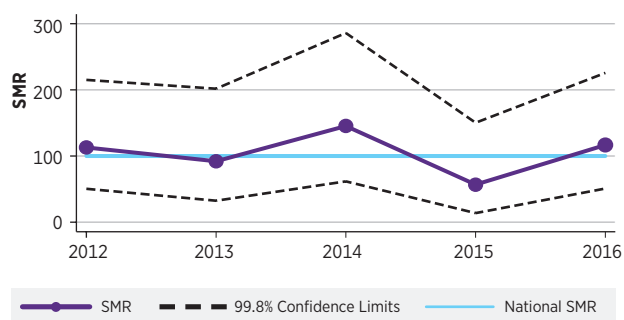
Cavan General Hospital: AMI



Connolly Hospital: AMI

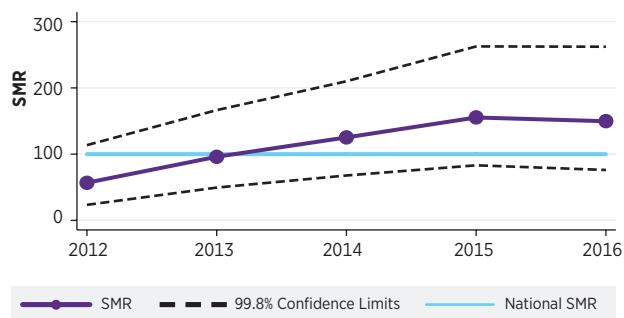


Our Lady of Lourdes Hospital, Drogheda: AMI

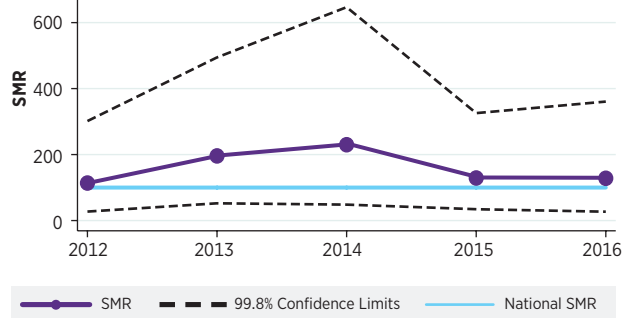


Ireland East Hospital Group

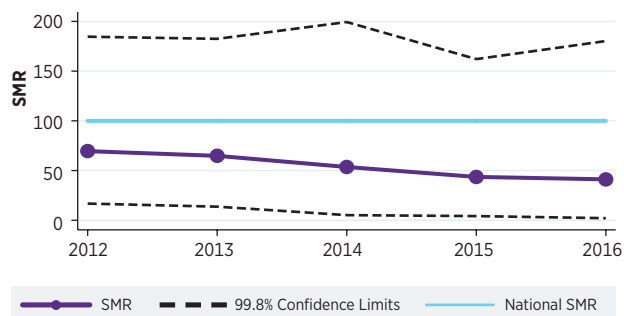
Mater Misericordiae University Hospital: AMI



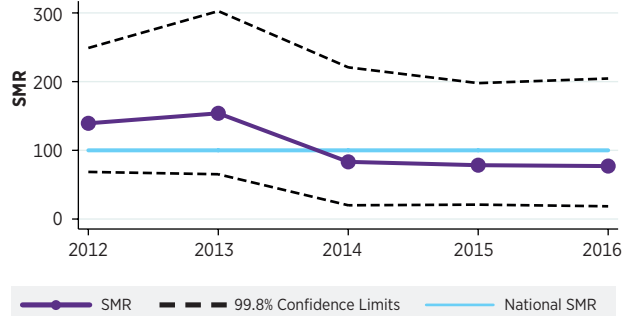
Midland Regional Hospital Mullingar: AMI



Our Lady's Hospital Navan: AMI

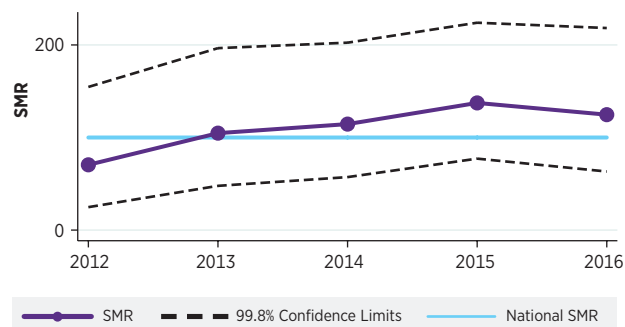


St Luke's Hospital Kilkenny: AMI

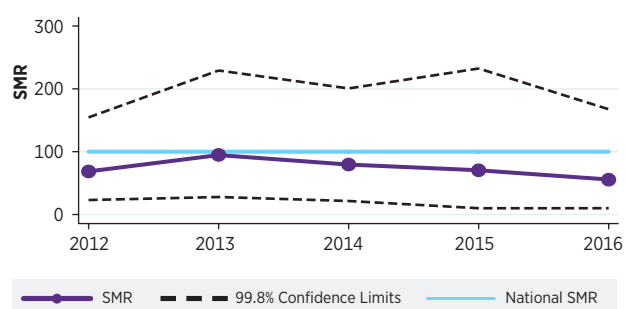


Ireland East Hospital Group

St Vincent's University Hospital: AMI

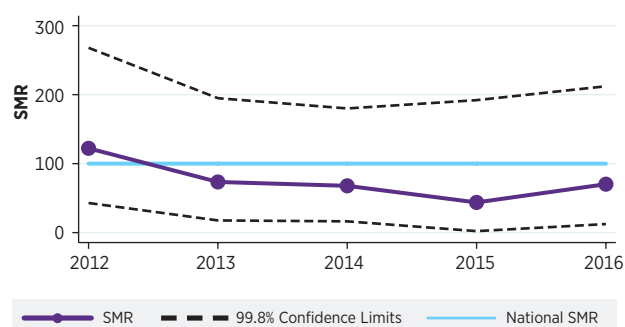


Wexford General Hospital: AMI

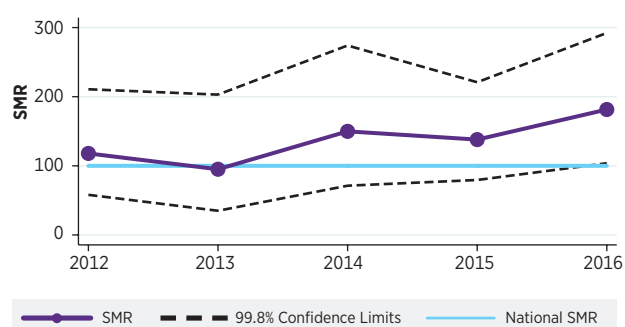


Dublin Midlands Hospital Group

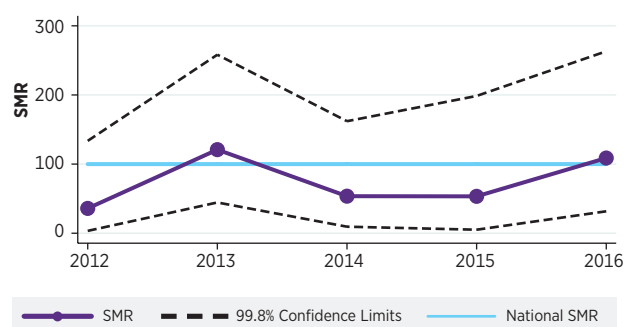
Naas General Hospital: AMI



St James's Hospital: AMI

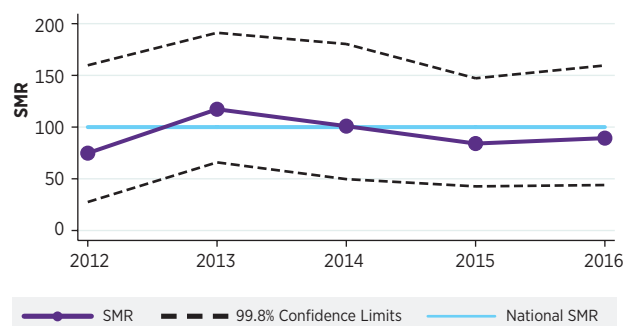


Tallaght (Adult) Hospital: AMI



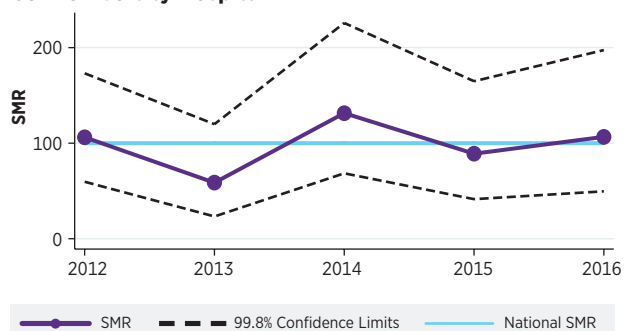
UL Hospital Group

University Hospital Limerick: AMI

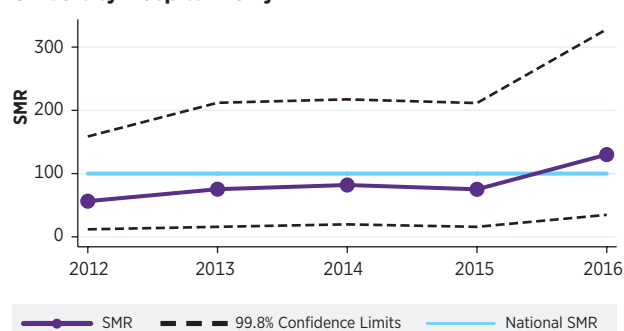


South/South West Hospital Group

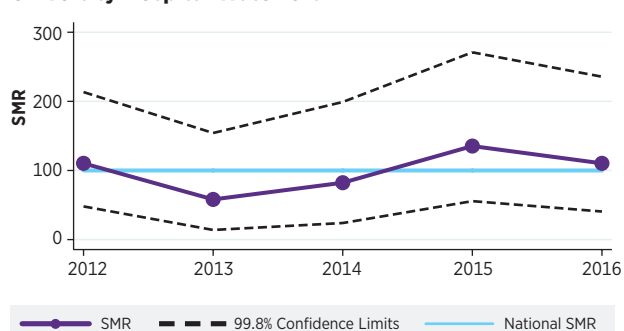
Cork University Hospital: AMI



University Hospital Kerry: AMI

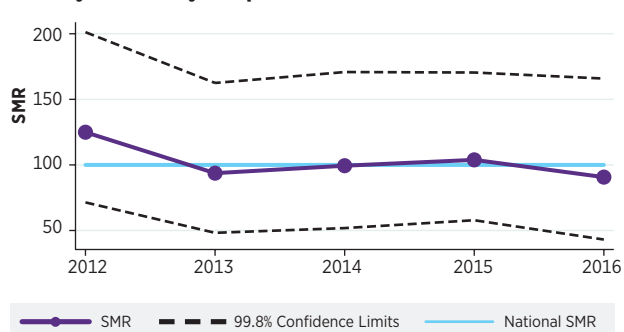


University Hospital Waterford: AMI

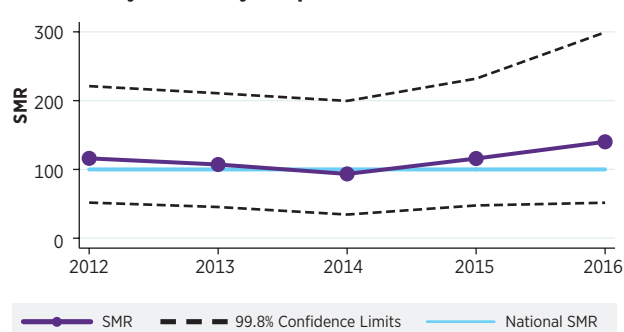


Saolta University Healthcare Group

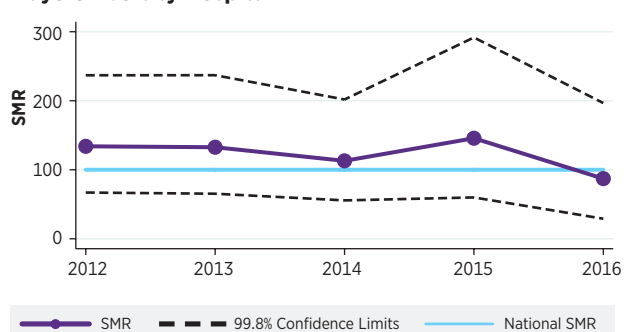
Galway University Hospitals: AMI



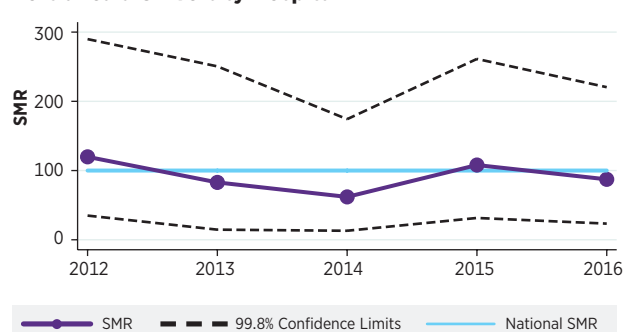
Letterkenny University Hospital: AMI



Mayo University Hospital: AMI

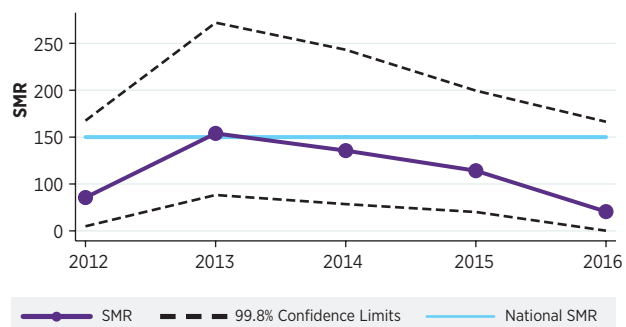


Portlincula University Hospital: AMI



Saolta University Healthcare Group

Sligo University Hospital: AMI



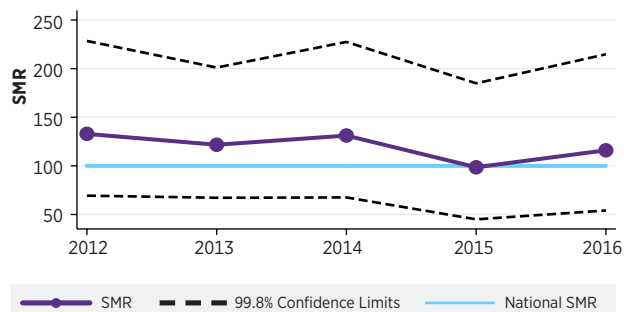
TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2016 - HEART FAILURE

Hospital Group	Hospital Name	No. of Admissions for Heart Failure, 2016	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	258	116 (34 - 176)
	Cavan General Hospital	227	82 (36 - 174)
	Connolly Hospital	184	81 (34 - 177)
	Our Lady of Lourdes Hospital Drogheda	210	80 (24 - 190)
Ireland East Hospital Group	Mater Misericordiae University Hospital	268	116 (34 - 176)
	Regional Hospital Mullingar	108	92 (-5 - 234)
	Our Lady's Hospital Navan	145	91 (16 - 201)
	St. Luke's Hospital, Kilkenny	246	129 (35 - 175)
	St. Vincent's University Hospital	288	134 (48 - 157)
	Wexford General Hospital	228	97 (32 - 179)
Dublin Midlands Hospital Group	Midland Regional Hospital Tullamore	148	58 (19 - 196)
	Naas General Hospital	116	106 (5 - 216)
	St James's Hospital	313	140 (39 - 170)
	Tallaght (Adult) Hospital	163	92 (27 - 185)
UL Hospital Group	Ennis Hospital	108	60 (18 - 197)
	St John's Hospital	102	35 (-12 - 243)
	University Hospital Limerick	316	86 (42 - 166)
South / South West Hospital Group	Bantry General Hospital	112	85 (11 - 210)
	Cork University Hospital	365	93 (43 - 164)
	Mercy University Hospital	181	83 (19 - 196)
	South Tipperary General Hospital	138	161 (20 - 195)
	University Hospital Kerry	157	114 (14 - 204)
	University Hospital Waterford	223	72 (24 - 189)
Saolta University Healthcare Group	Galway University Hospitals	319	86 (46 - 160)
	Letterkenny University Hospital	182	57 (14 - 204)
	Mayo University Hospital	286	122 (40 - 168)
	Sligo University Hospital	162	118 (27 - 185)

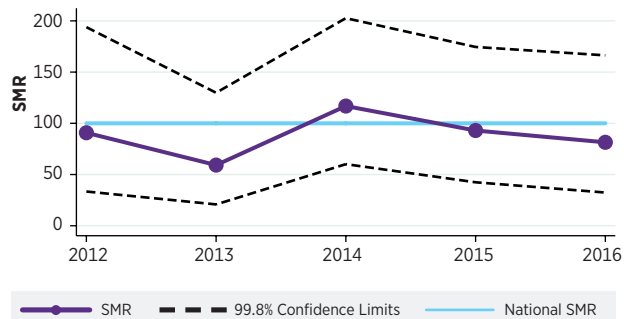
HEART FAILURE SMR TREND CHARTS

RCSI Hospital Group

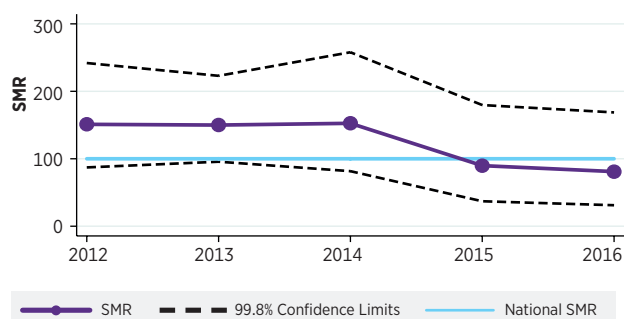
Beaumont Hospital: Heart failure



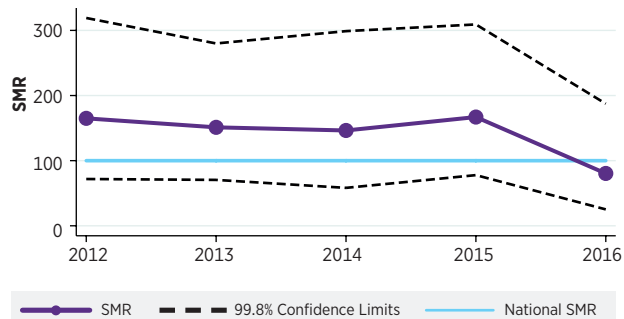
Cavan General Hospital: Heart failure



Connolly Hospital: Heart failure

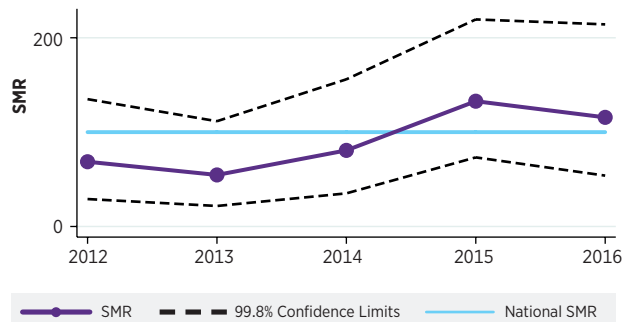


Our Lady of Lourdes Hospital, Drogheda: Heart failure

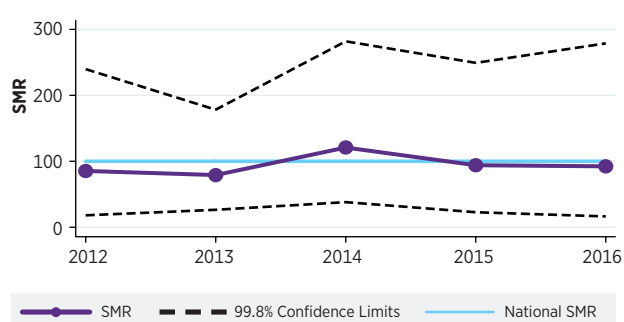


Ireland East Hospital Group

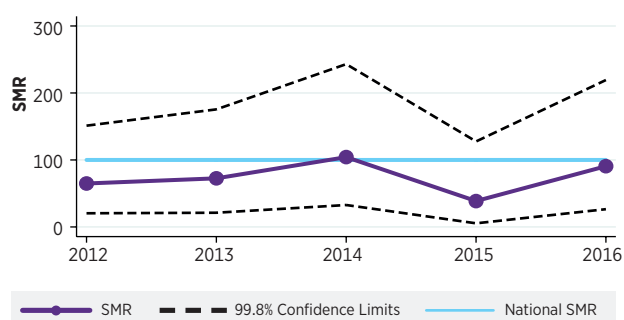
Mater Misericordiae University Hospital: Heart failure



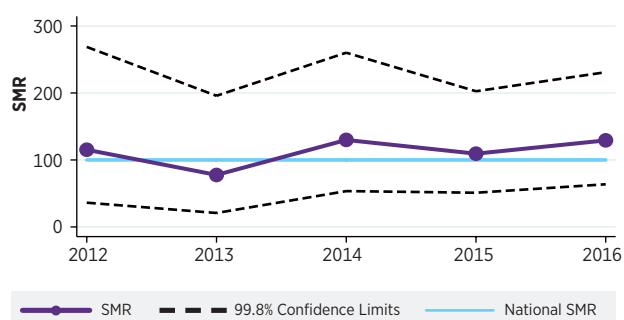
Midland Regional Hospital Mullingar: Heart failure



Our Lady's Hospital Navan: Heart failure

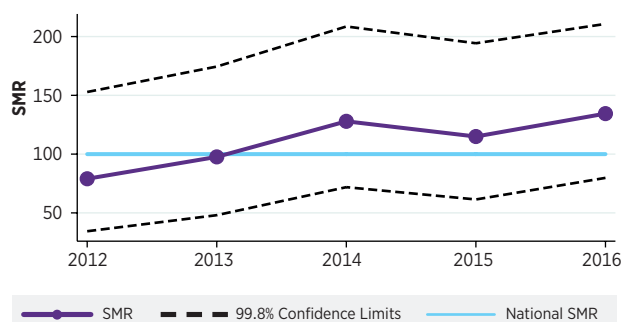


St Luke's Hospital Kilkenny: Heart failure

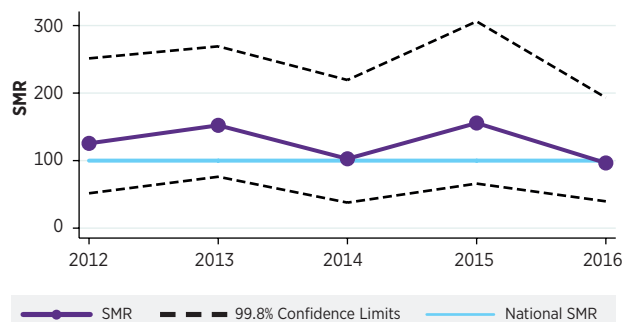


Ireland East Hospital Group

St Vincent's University Hospital: Heart failure

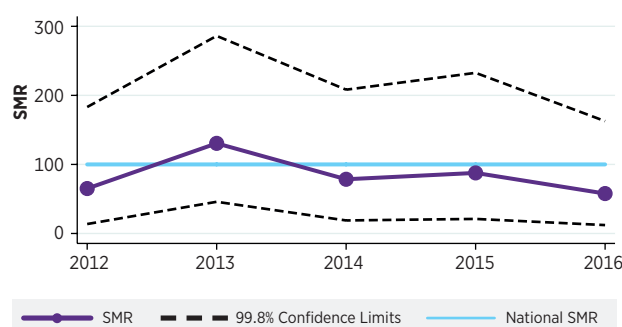


Wexford General Hospital: Heart failure

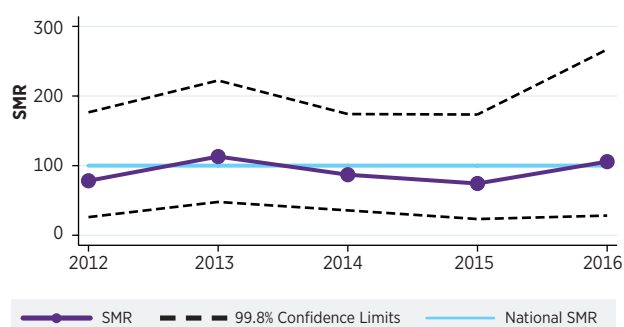


Dublin Midlands Hospital Group

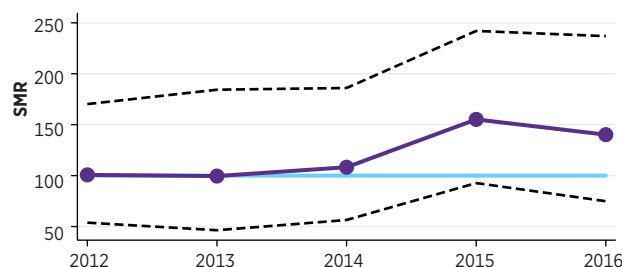
Midlands Regional Hospital Tullamore: Heart failure



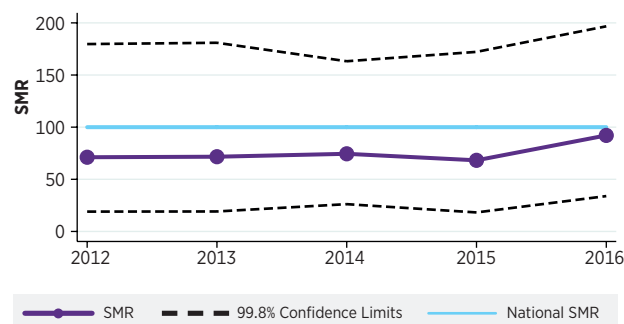
Naas General Hospital: Heart failure



St James's Hospital: Heart failure

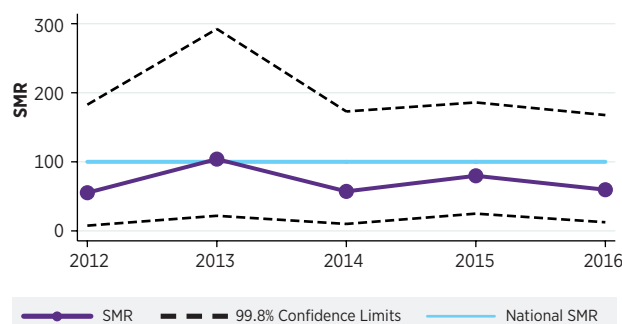


Tallaght (Adult) Hospital: Heart failure

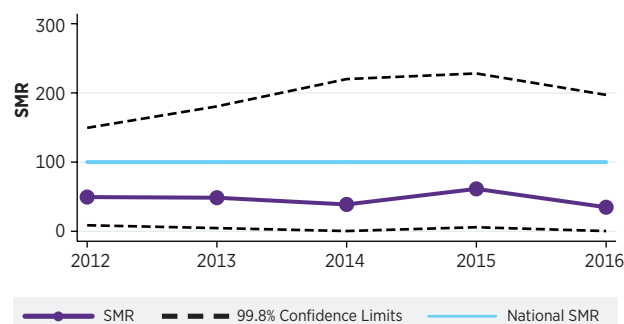


UL Hospital Group

Ennis Hospital: Heart failure

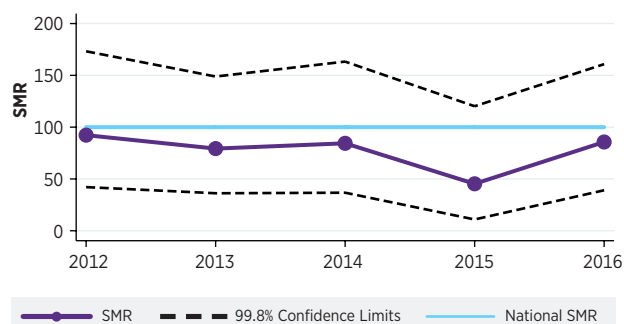


St John's Hospital: Heart failure



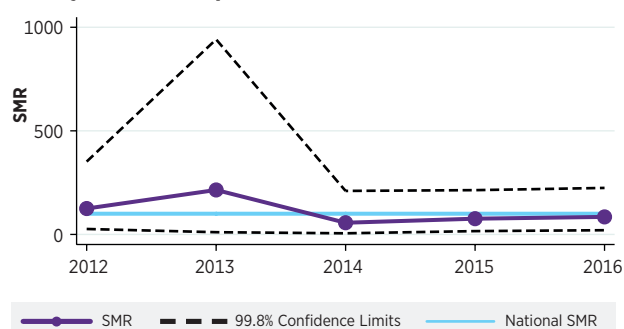
UL Hospital Group

University Hospital Limerick: Heart failure

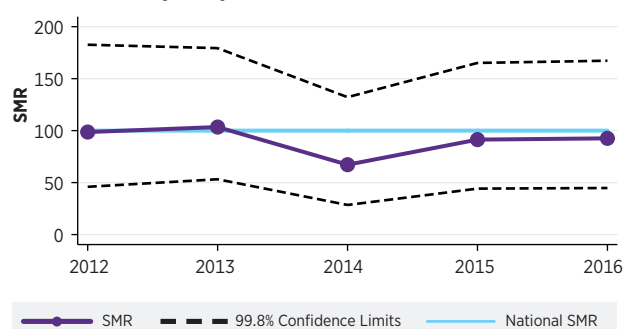


South/South West Hospital Group

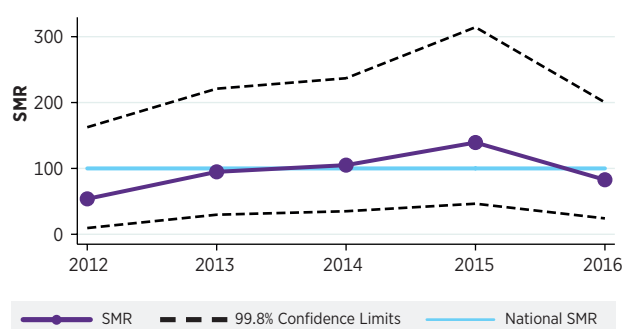
Bantry General Hospital: Heart failure



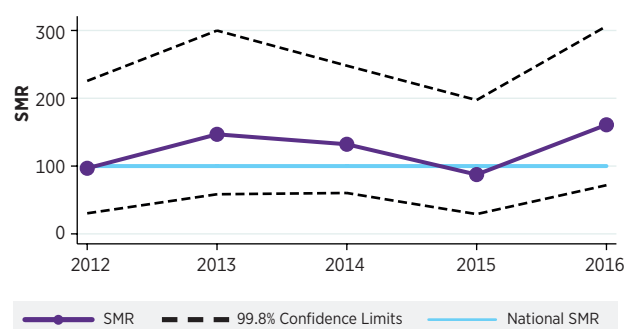
Cork University Hospital: Heart failure



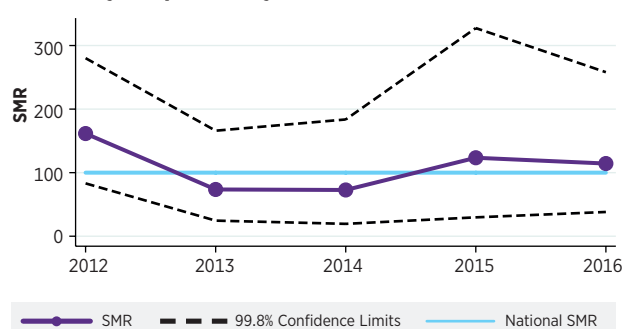
Mercy University Hospital: Heart failure



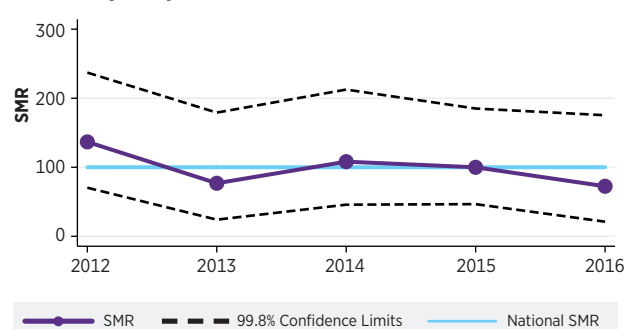
South Tipperary General Hospital: Heart failure



University Hospital Kerry: Heart failure

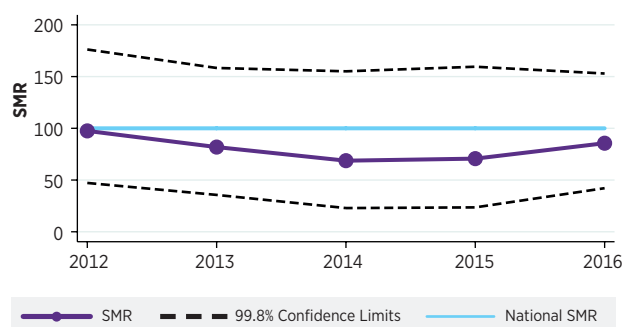


University Hospital Waterford: Heart failure

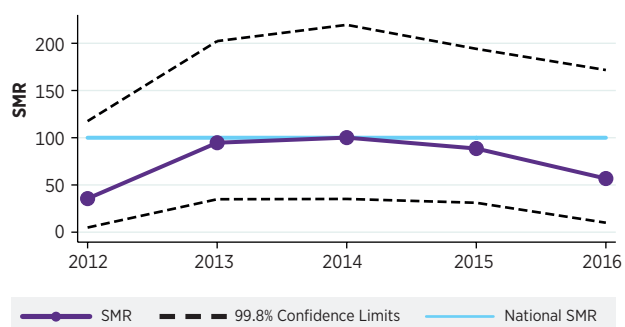


Saolta University Healthcare Group

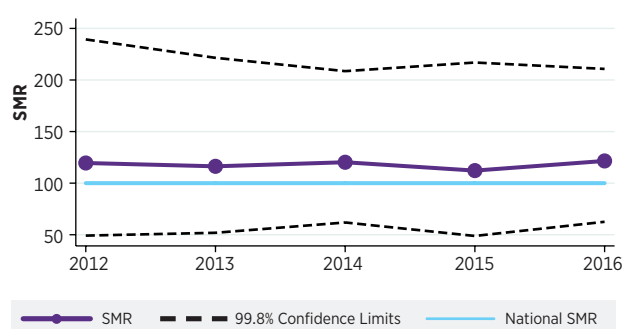
Galway University Hospitals: Heart failure



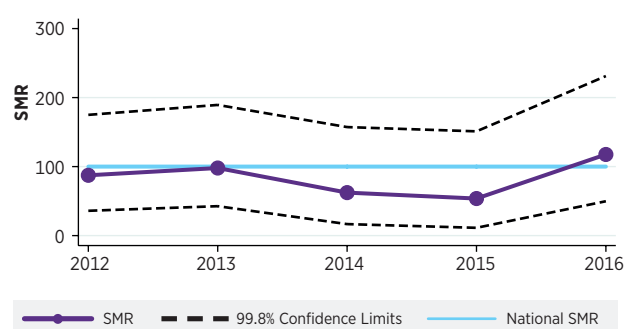
Letterkenny University Hospital: Heart failure



Mayo University Hospital: Heart failure



Sligo University Hospital: Heart failure



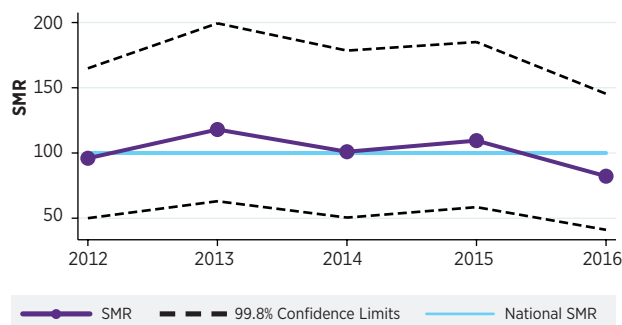
ISCHAEMIC STROKE: TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2016

Hospital Group	Hospital Name	No. of Admissions for Ischaemic Stroke, 2016	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	460	82 (48-158)
	Cavan General Hospital	117	52 (18-199)
	Connolly Hospital	150	117 (24-190)
	Our Lady of Lourdes Hospital Drogheda	159	89 (34-176)
Ireland East Hospital Group	Mater Misericordiae University Hospital	308	122 (46-160)
	Regional Hospital Mullingar	108	122 (9-212)
	St. Luke's Hospital, Kilkenny	124	114 (18-199)
	St. Vincent's University Hospital	305	107 (49-157)
Dublin Midlands Hospital Group	Naas General Hospital	171	101 (34-176)
	St James's Hospital	234	89 (31-180)
	Tallaght (Adult) Hospital	192	92 (30-182)
UL Hospital Group	University Hospital Limerick	335	56 (50-155)
South / South West Hospital Group	Cork University Hospital	399	181 (45-161)
	South Tipperary General Hospital	106	125 (21-193)
	University Hospital Kerry	151	124 (27-185)
	University Hospital Waterford	129	45 (33-178)
Saolta University Healthcare Group	Galway University Hospitals	236	103 (47-159)
	Letterkenny University Hospital	167	113 (35-174)
	Mayo University Hospital	167	85 (38-171)
	Sligo University Hospital	140	117 (19-197)

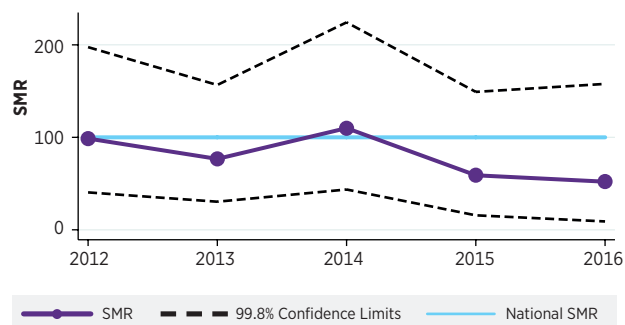
ISCHAEMIC STROKE SMR TREND CHARTS

RCSI Hospital Group

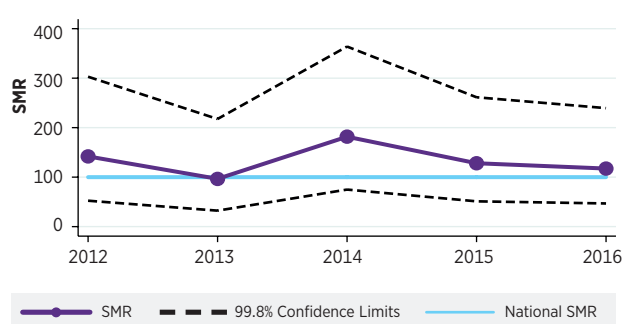
Beaumont Hospital: Ischaemic Stroke



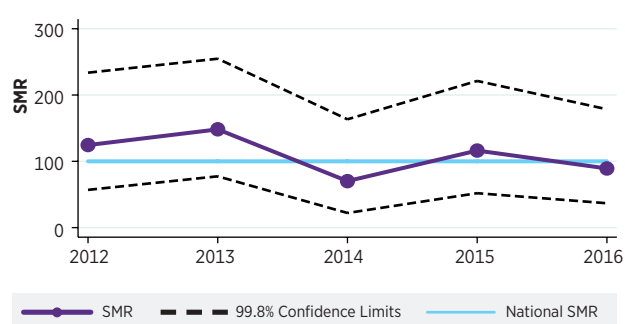
Cavan General Hospital: Ischaemic Stroke



Connolly Hospital: Ischaemic Stroke

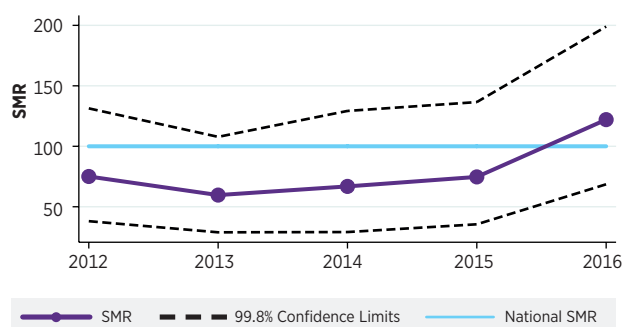


Our Lady of Lourdes Hospital, Drogheda: Ischaemic Stroke

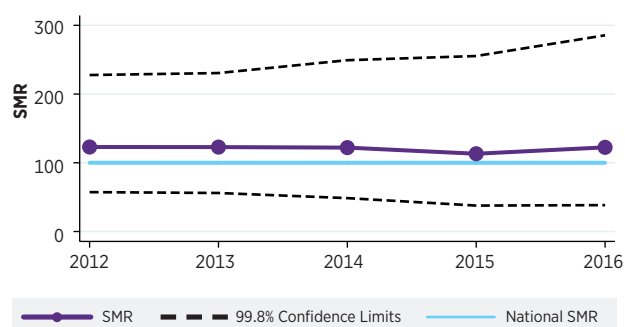


Ireland East Hospital Group

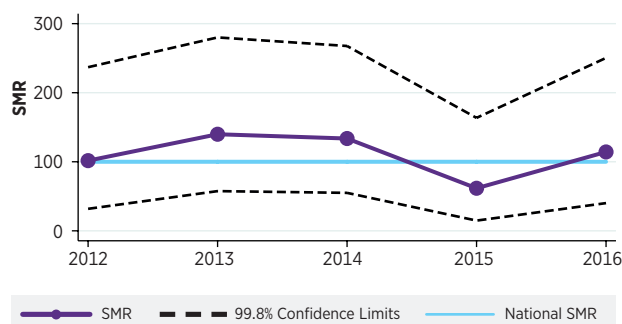
Mater Misericordiae University Hospital: Ischaemic Stroke



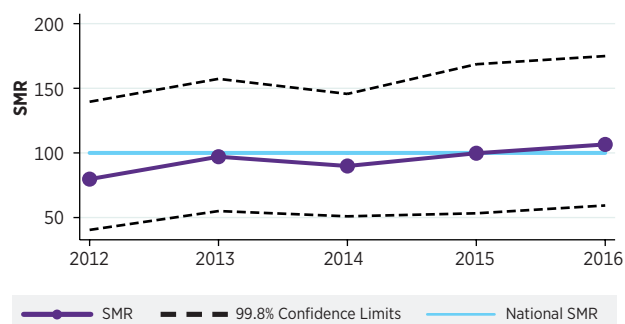
Regional Hospital Mullingar: Ischaemic Stroke



St Luke's Hospital Kilkenny: Ischaemic Stroke

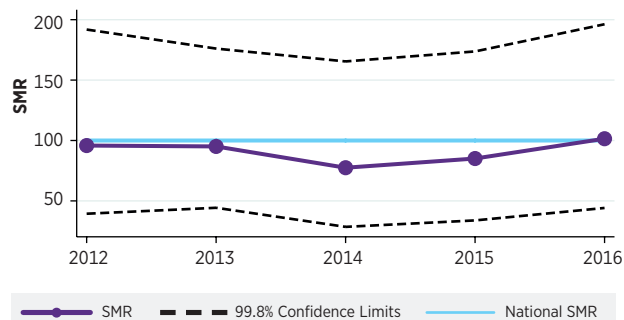


St Vincent's University Hospital: Ischaemic Stroke

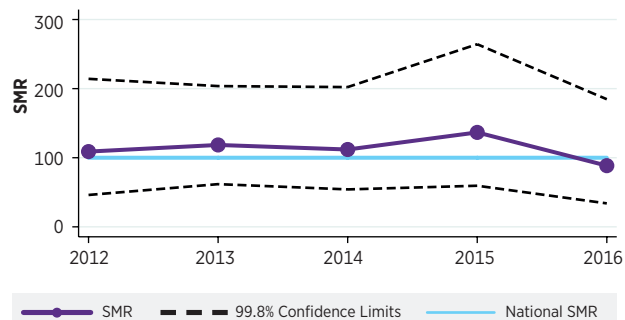


Dublin Midlands Hospital Group

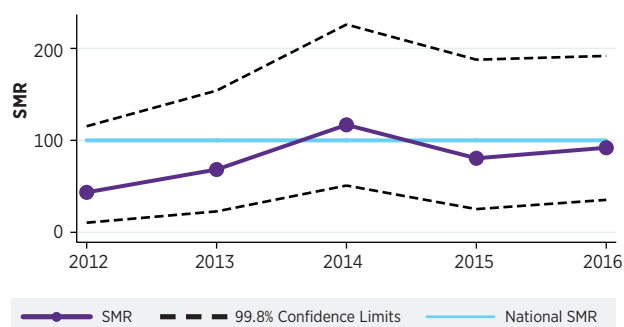
Naas General Hospital: Ischaemic Stroke



St James's Hospital: Ischaemic Stroke

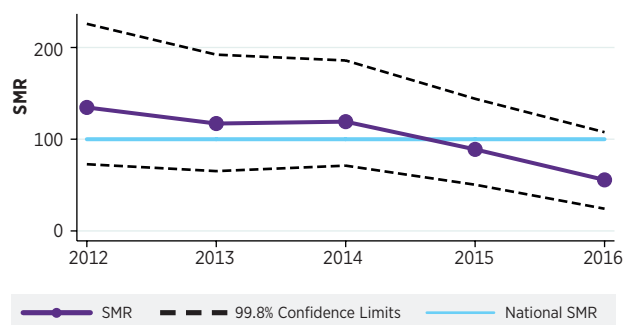


Tallaght (Adult) Hospital: Ischaemic Stroke



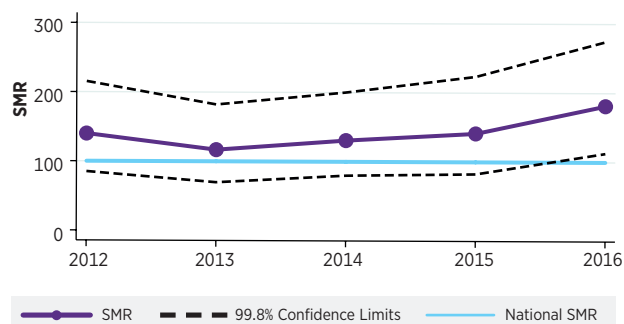
UL Hospital Group

University Hospital Limerick: Ischaemic Stroke

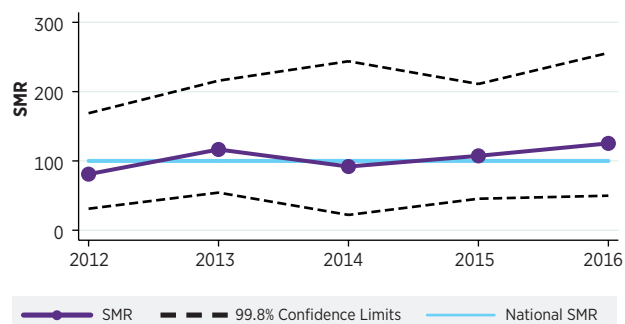


South/South West Hospital Group

Cork University Hospital: Ischaemic Stroke

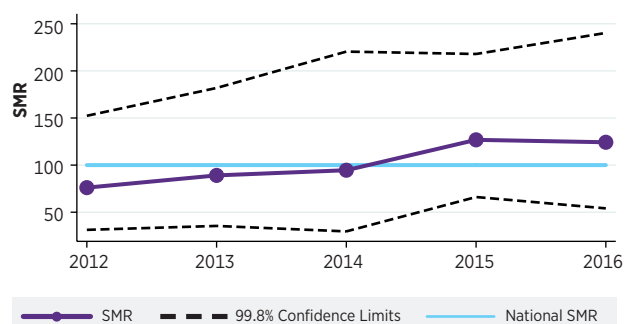


South Tipperary General Hospital: Ischaemic Stroke

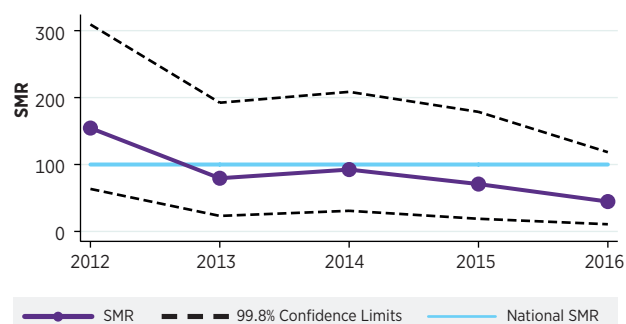


South/South West Hospital Group

University Hospital Kerry: Ischaemic Stroke

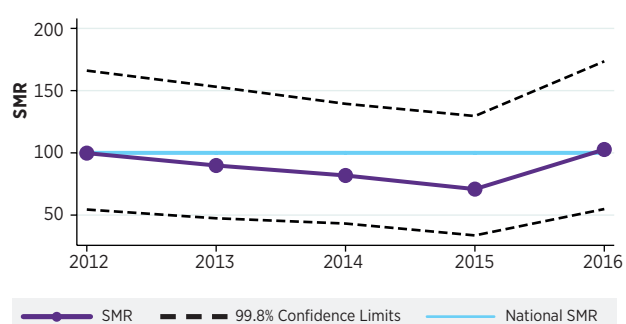


University Hospital Waterford: Ischaemic Stroke

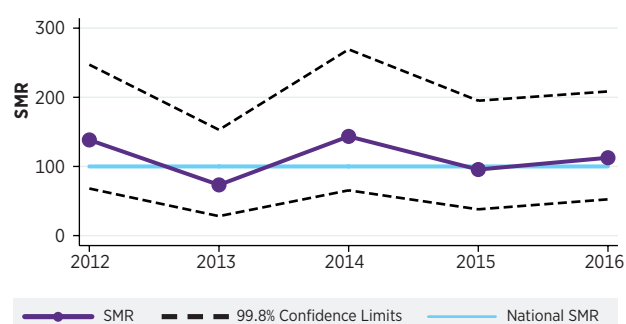


Saolta University Healthcare Group

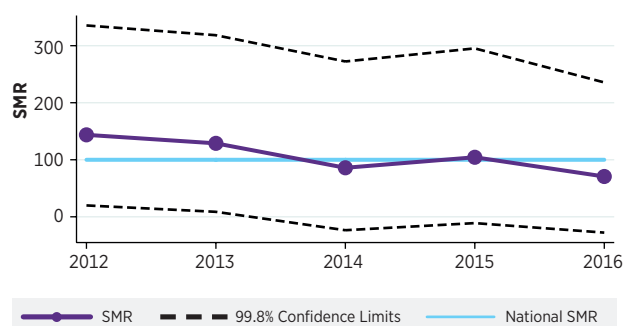
Galway University Hospitals: Ischaemic Stroke



Letterkenny University Hospital: Ischaemic Stroke



Mayo University Hospital: Ischaemic Stroke



Sligo University Hospital: Ischaemic Stroke

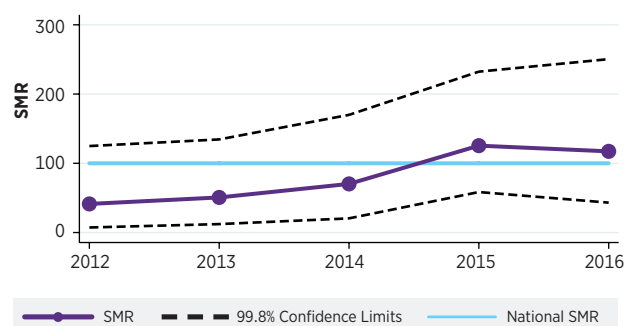


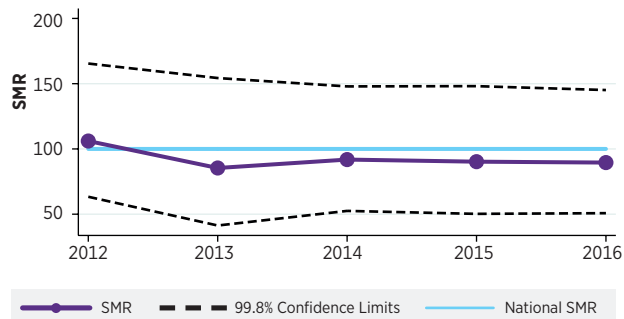
TABLE 8: TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2014 – 2016 HAEMORRHAGIC STROKE

Hospital Group	Hospital Name	No. of Admissions for Haemorrhagic Stroke, 2014-16	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	891	91 (73-129)
Ireland East Hospital Group	Mater Misericordiae University Hospital	207	87 (62-141)
	St. Luke's Hospital, Kilkenny	100	113 (44-162)
	St. Vincent's University Hospital	288	96 (69-133)
Dublin Midlands Hospital Group	Naas General Hospital	105	93 (51-155)
	St James's Hospital	152	119 (53-152)
	Tallaght (Adult) Hospital	121	85 (46-160)
UL Hospital Group	University Hospital Limerick	239	104 (63-140)
South / South West Hospital Group	Cork University Hospital	452	124 (70-132)
	University Hospital Kerry	110	106 (51-155)
Saolta University Healthcare Group	Galway University Hospitals	174	96 (61-142)

HAEMORRHAGIC STROKE SMR TREND CHARTS

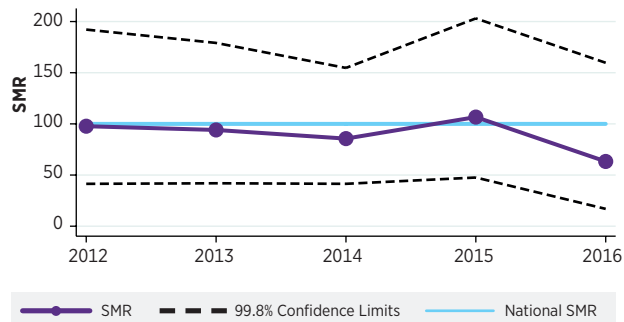
RCSI Hospital Group

Beaumont Hospital: Haemorrhagic Stroke

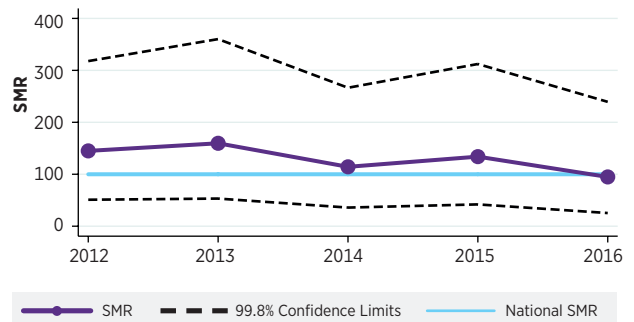


Ireland East Hospital Group

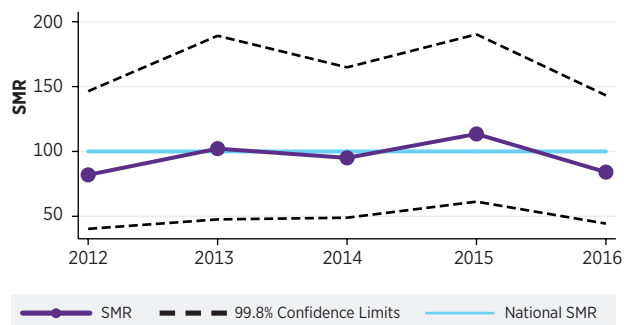
Mater Misericordiae University Hospital: Haemorrhagic Stroke



St Luke's Hospital Kilkenny: Haemorrhagic Stroke

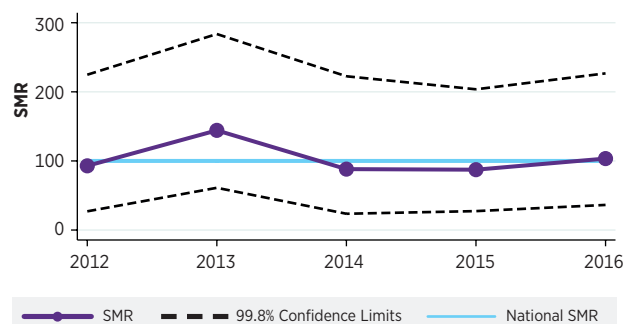


St Vincent's University Hospital: Haemorrhagic Stroke

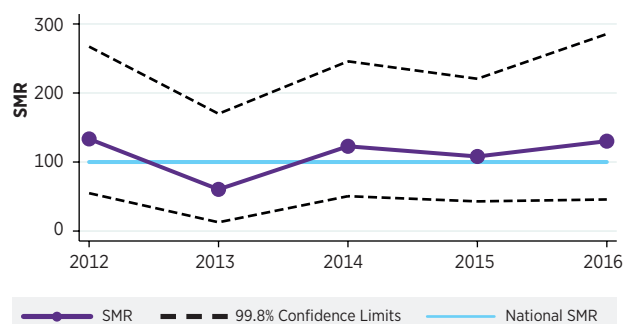


Dublin Midlands Hospital Group

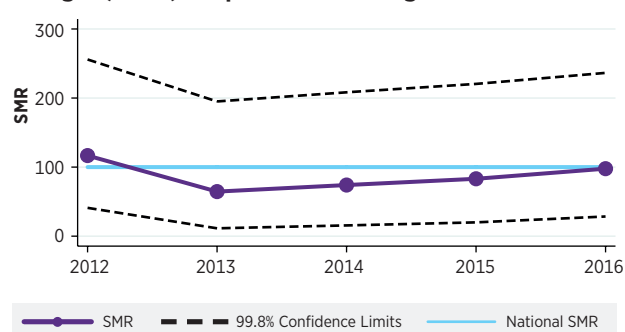
Naas General Hospital: Haemorrhagic Stroke



St James's Hospital: Haemorrhagic Stroke

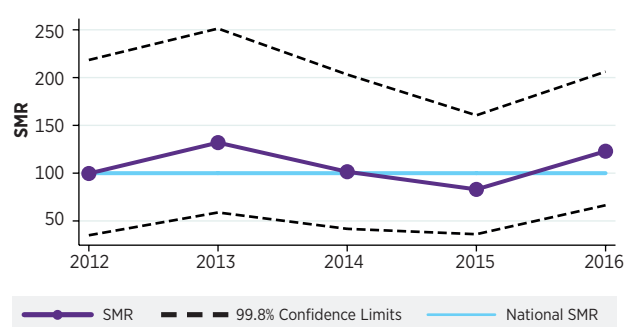


Tallaght (Adult) Hospital: Haemorrhagic Stroke



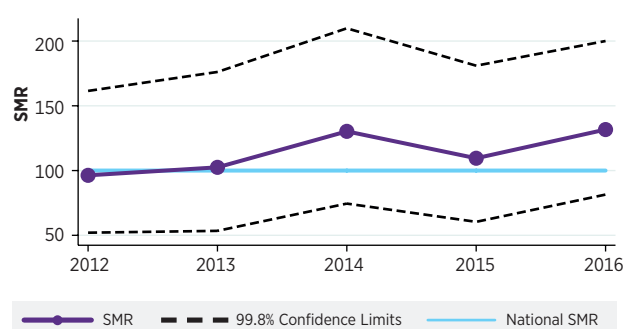
UL Hospital Group

University Hospital Limerick: Haemorrhagic Stroke

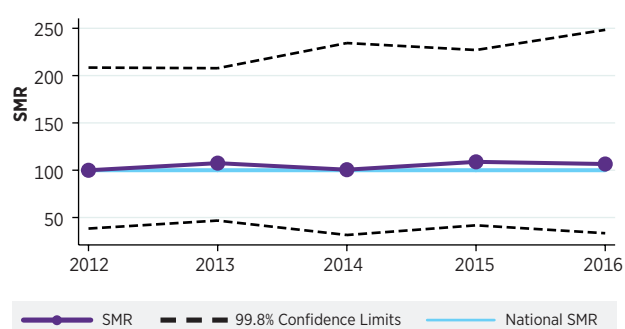


South/South West Hospital Group

Cork University Hospital: Haemorrhagic Stroke



University Hospital Kerry: Haemorrhagic Stroke



Galway University Hospitals: Haemorrhagic Stroke

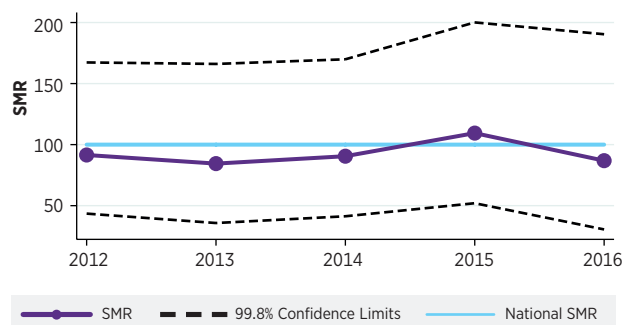


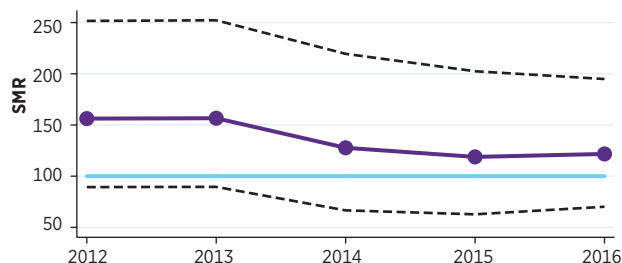
TABLE 9: TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2016 - COPD

Hospital Group	Hospital Name	No. of Admissions for COPD 2016	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	812	122 (48-157)
	Cavan General Hospital	500	53 (34-176)
	Connolly Hospital	467	98 (30-182)
	Our Lady of Lourdes Hospital Drogheda	615	136 (34-175)
Ireland East Hospital Group	Mater Misericordiae University Hospital	793	115 (34-175)
	Regional Hospital Mullingar	435	169 (27-187)
	Our Ladys Hospital Navan	256	127 (6-215)
	St Luke's Hospital Kilkenny	488	97 (28-184)
	St Michael's Hospital	161	74 (4-219)
	St Vincent's University Hospital	443	117 (38-171)
	Wexford General Hospital	624	157 (26-187)
Dublin Midlands Hospital Group	Midland Regional Hospital Tullamore	441	149 (36-173)
	Midland Regional Hospital Portlaoise	296	62 (26-187)
	Naas General Hospital	400	99 (31-180)
	St James's Hospital	679	103 (40-168)
	Tallaght (Adult) Hospital	771	88 (46-160)
UL Hospital Group	Ennis Hospital	273	29 (23-190)
	Nenagh Hospital	179	46 (-5-234)
	St John's Hospital	377	49 (13-204)
	University Hospital Limerick	689	119 (44-163)
South / South West Hospital Group	Bantry General Hospital	230	67 (8-212)
	Cork University Hospital	627	134 (36-173)
	Mallow General Hospital	204	76 (-15-250)
	Mercy University Hospital	557	108 (28-184)
	South Tipperary General Hospital	467	79 (27-185)
	University Hospital Kerry	352	106 (20-195)
	University Hospital Waterford	400	96 (21-194)
Saolta University Healthcare Group	Galway University Hospitals	575	56 (38-171)
	Letterkenny University Hospital	744	90 (38-171)
	Mayo University Hospital	610	115 (46-160)
	Portiuncula University Hospital	324	52 (27-185)
	Roscommon University Hospital	138	84 (5-217)
	Sligo University Hospital	421	109 (28-184)

COPD SMR TREND CHARTS

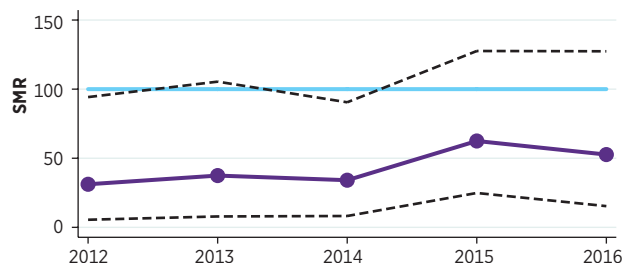
RCSI Hospital Group

Beaumont Hospital: COPD



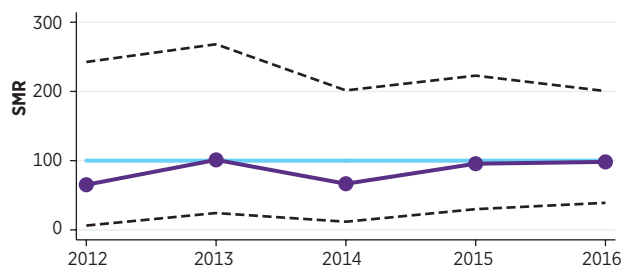
— SMR — 99.8% Confidence Limits — National SMR

Cavan General Hospital: COPD



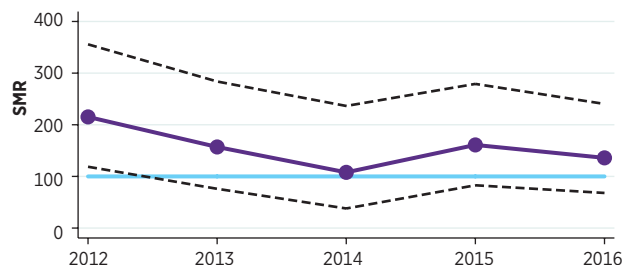
— SMR — 99.8% Confidence Limits — National SMR

Connolly Hospital: COPD



— SMR — 99.8% Confidence Limits — National SMR

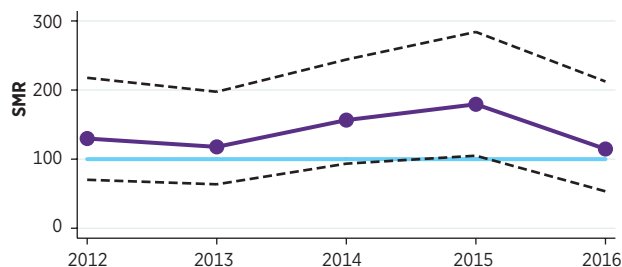
Our Lady of Lourdes Hospital, Drogheda: COPD



— SMR — 99.8% Confidence Limits — National SMR

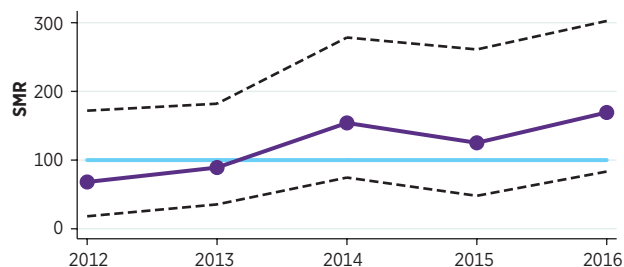
Ireland East Hospital Group

Mater Misericordiae University Hospital: COPD



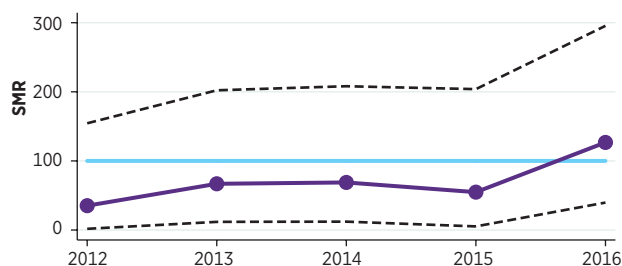
— SMR — 99.8% Confidence Limits — National SMR

Midland Regional Hospital Mullingar: COPD



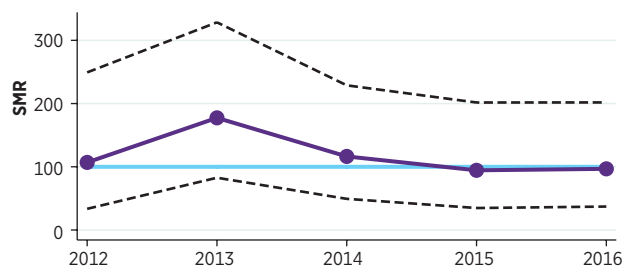
— SMR — 99.8% Confidence Limits — National SMR

Our Lady's Hospital Navan: COPD



— SMR — 99.8% Confidence Limits — National SMR

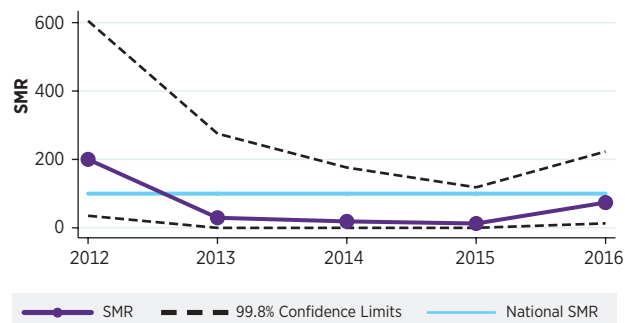
St Luke's Hospital Kilkenny: COPD



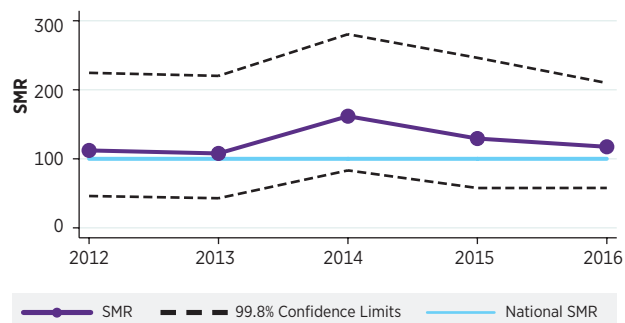
— SMR — 99.8% Confidence Limits — National SMR

Ireland East Hospital Group

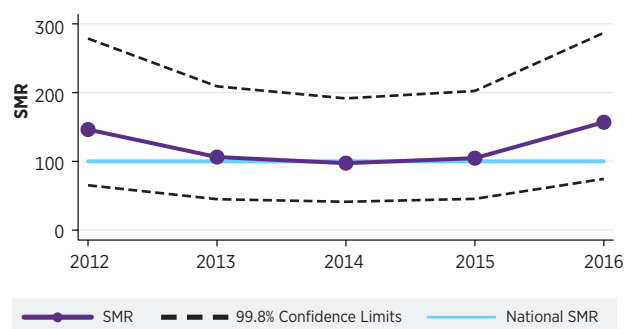
St Michael's Hospital: COPD



St Vincent's University Hospital: COPD

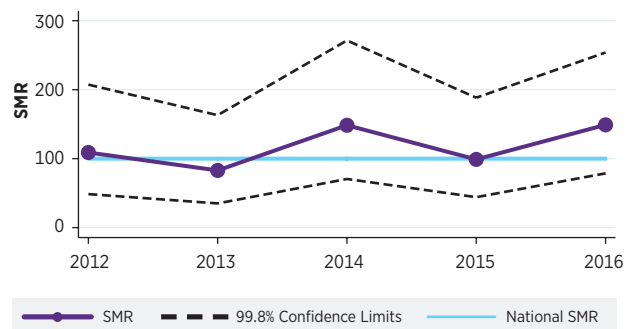


Wexford General Hospital: COPD

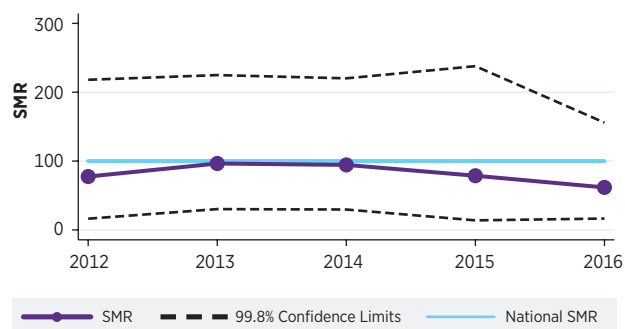


Dublin Midlands Hospital Group

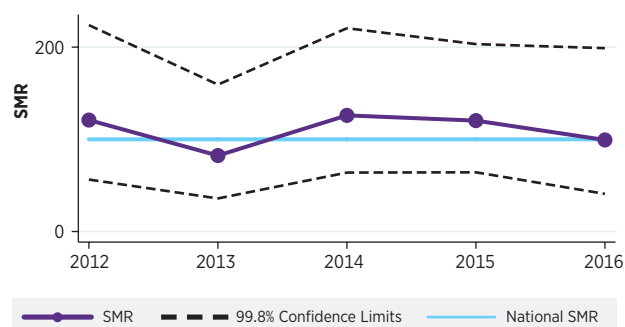
Midland Regional Hospital Tullamore: COPD



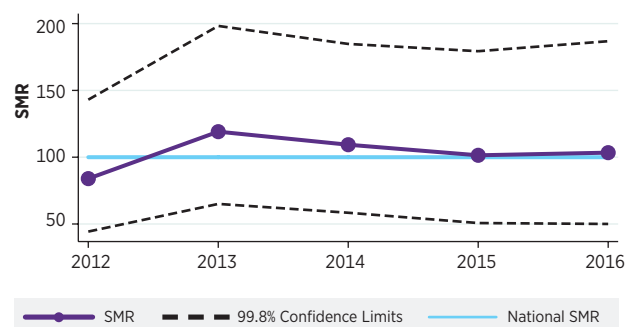
Midland Regional Hospital Portlaoise: COPD



Naas General Hospital: COPD

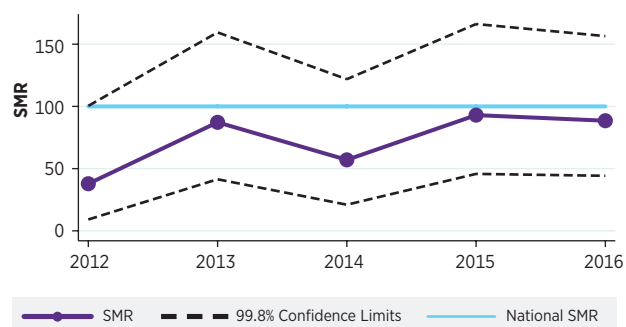


St James's Hospital: COPD



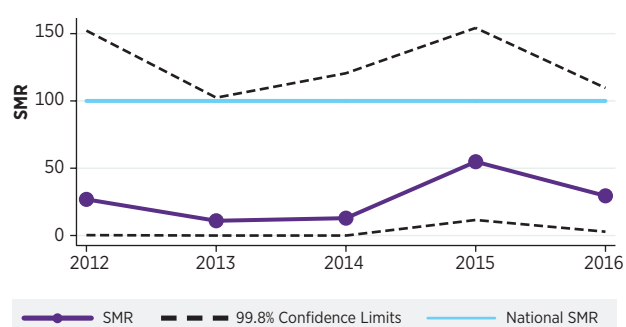
Dublin Midlands Hospital Group

Tallaght (Adult) Hospital: COPD

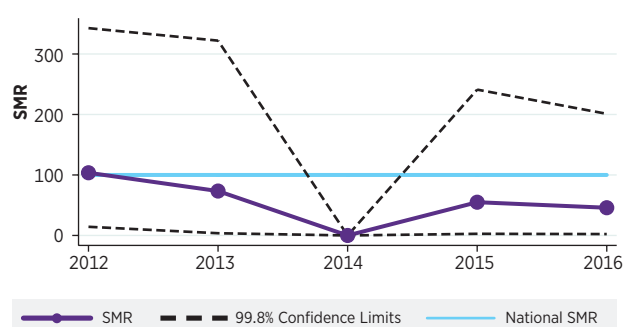


UL Hospital Group

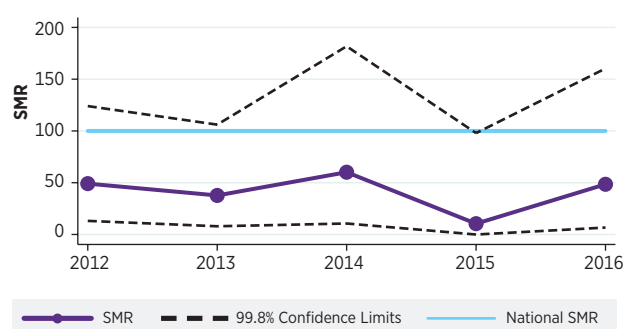
Ennis Hospital: COPD



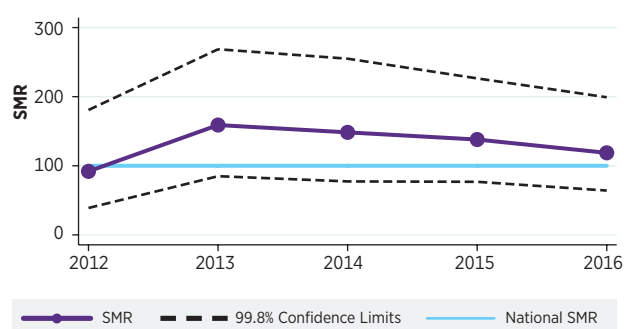
Nenagh Hospital: COPD



St John's Hospital: COPD

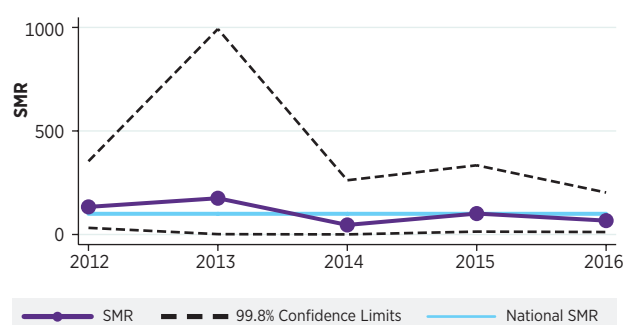


University Hospital Limerick: COPD

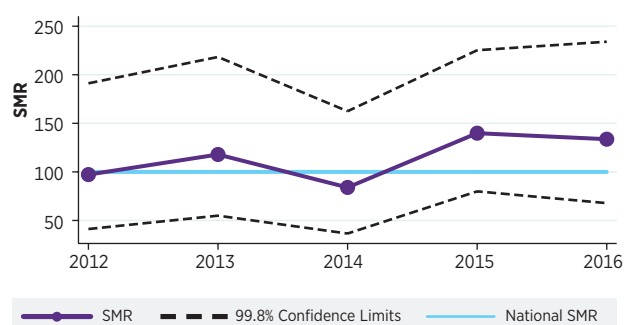


South/South West Hospital Group

Bantry General Hospital: COPD

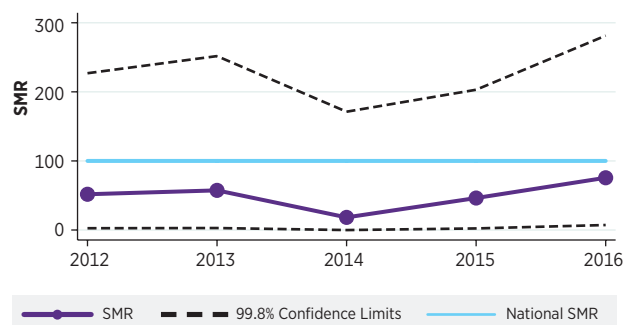


Cork University Hospital: COPD

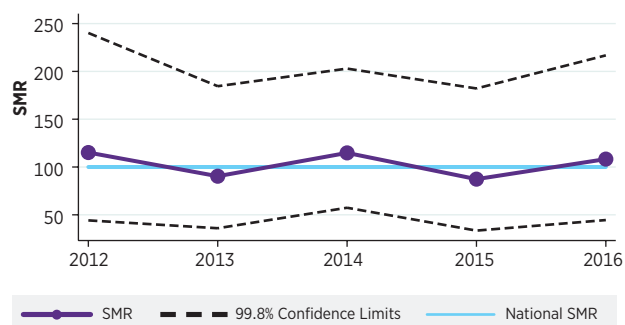


South/South West Hospital Group

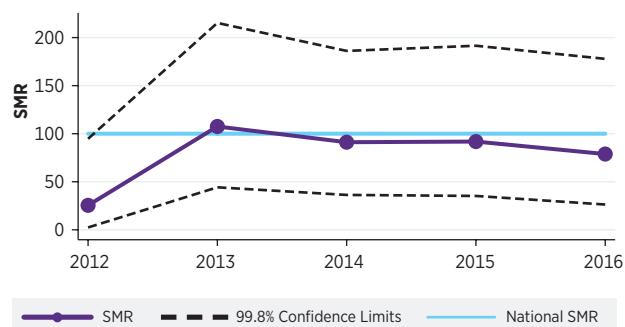
Mallow General Hospital: COPD



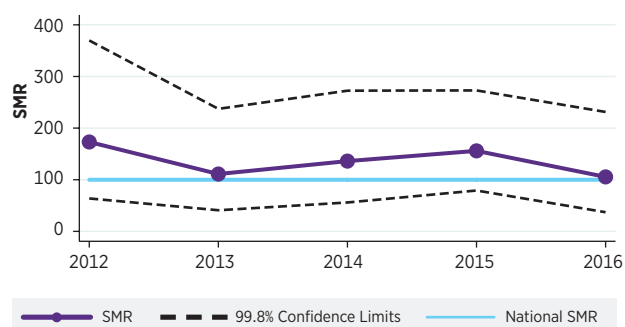
Mercy University Hospital: COPD



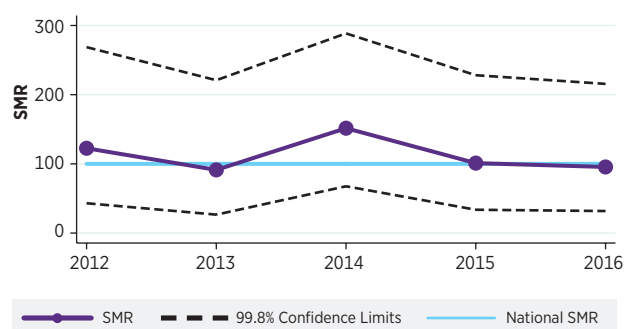
South Tipperary General Hospital: COPD



University Hospital Kerry: COPD

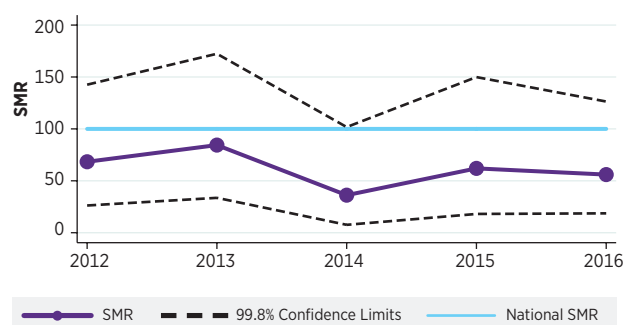


University Hospital Waterford: COPD

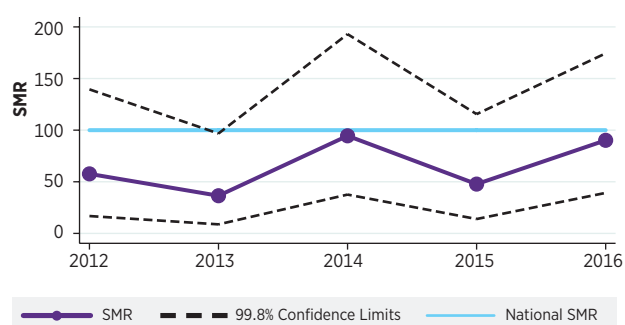


Saolta University Hospital Group

Galway University Hospitals: COPD

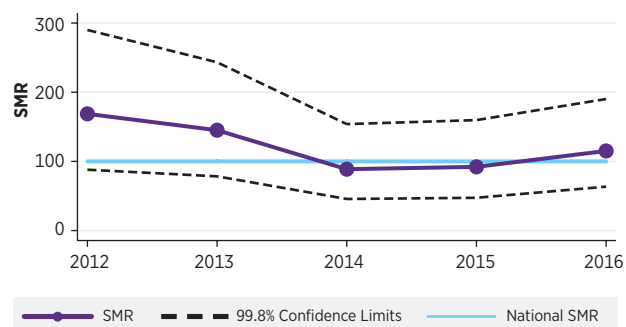


Letterkenny University Hospital: COPD

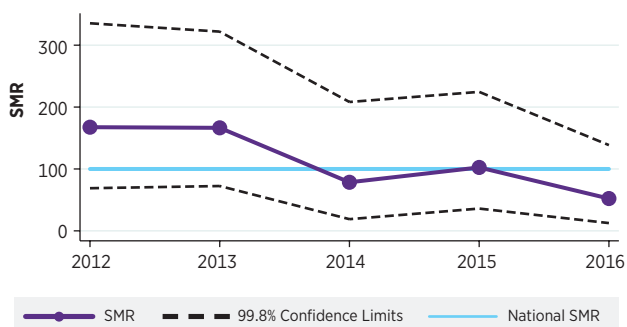


Saolta University Hospital Group

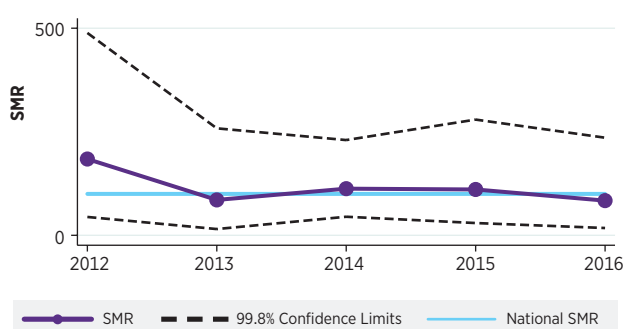
Mayo University Hospital: COPD



Portlucula University Hospital: COPD



Roscommon University Hospital: COPD



Sligo University Hospital: COPD

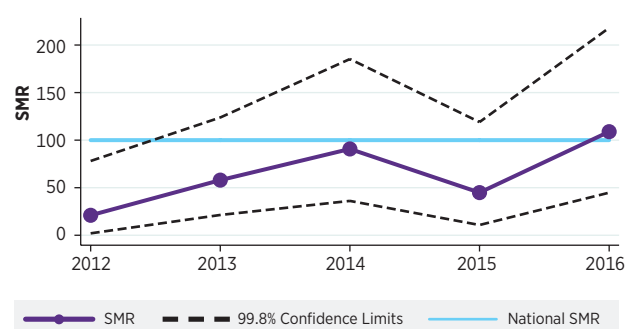


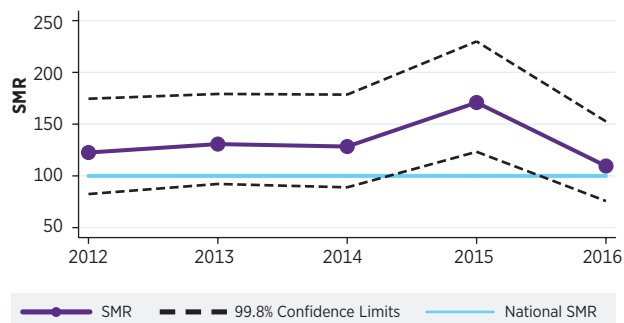
TABLE 10: TABULAR PRESENTATION FOR IN-HOSPITAL MORTALITY 2016 - PNEUMONIA

Hospital Group	Hospital Name	No. of Admissions for pneumonia 2016	SMR (99.8% Control Limits)
RCSI Hospital Group	Beaumont Hospital	525	110 (65-137)
	Cavan General Hospital	464	79 (61-143)
	Connolly Hospital	497	88 (61-142)
	Our Lady of Lourdes Hospital Drogheda	796	82 (66-137)
Ireland East Hospital Group	Mater Misericordiae University Hospital	617	121 (64-139)
	Regional Hospital Mullingar	213	162 (39-170)
	Our Ladys Hospital Navan	352	89 (57-148)
	St Columcille's Hospital	166	29 (23-190)
	St Luke's Hospital Kilkenny	605	100 (62-141)
	St Michael's Hospital	193	97 (39-169)
	St Vincent's University Hospital	740	95 (70-131)
	Wexford General Hospital	447	112 (50-155)
Dublin Midlands Hospital Group	Midland Regional Hospital Tullamore	241	134 (46-160)
	Midland Regional Hospital Portlaoise	224	68 (36-173)
	Naas General Hospital	455	80 (61-142)
	St James's Hospital	448	138 (61-143)
	Tallaght (Adult) Hospital	429	119 (57-147)
UL Hospital Group	Ennis Hospital	163	53 (43-163)
	St John's Hospital	143	28 (25-188)
	University Hospital Limerick	478	96 (59-145)
South / South West Hospital Group	Bantry General Hospital	110	101 (12-207)
	Cork University Hospital	494	128 (58-146)
	Mallow General Hospital	142	73 (30-182)
	Mercy University Hospital	340	117 (53-152)
	South Tipperary General Hospital	427	73 (60-143)
	University Hospital Kerry	273	79 (46-161)
	University Hospital Waterford	372	108 (59-145)
Saolta University Healthcare Group	Galway University Hospitals	518	97 (63-140)
	Letterkenny University Hospital	317	120 (52-153)
	Mayo University Hospital	508	117 (58-146)
	Portiuncula University Hospital	408	107 (60-143)
	Sligo University Hospital	397	94 (59-145)

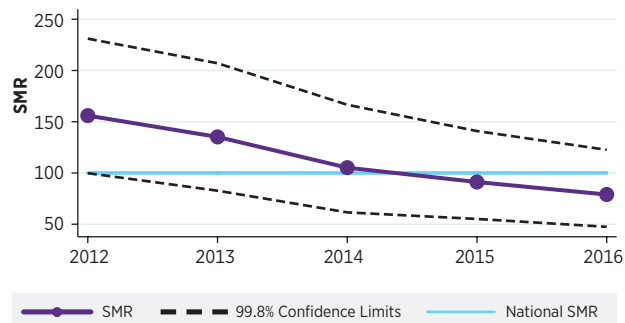
PNEUMONIA SMR TREND CHARTS

RCSI Hospital Group

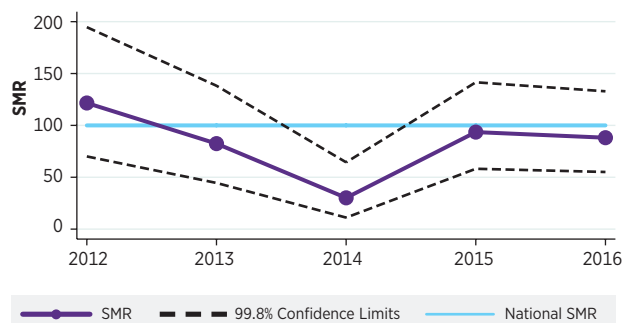
Beaumont Hospital: Pneumonia



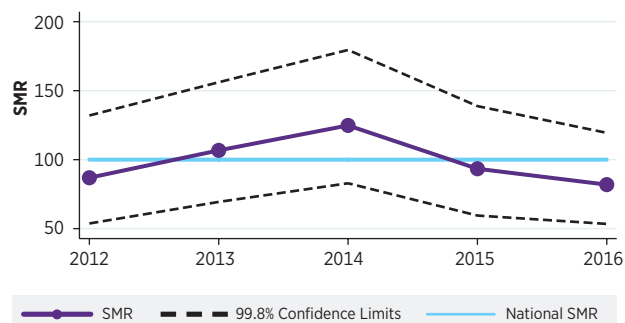
Cavan General Hospital: Pneumonia



Connolly Hospital: Pneumonia

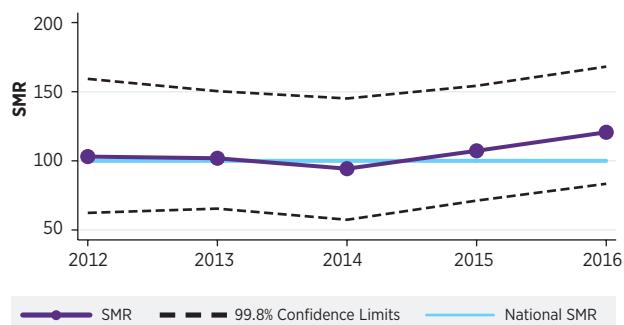


Our Lady of Lourdes Hospital, Drogheda: Pneumonia

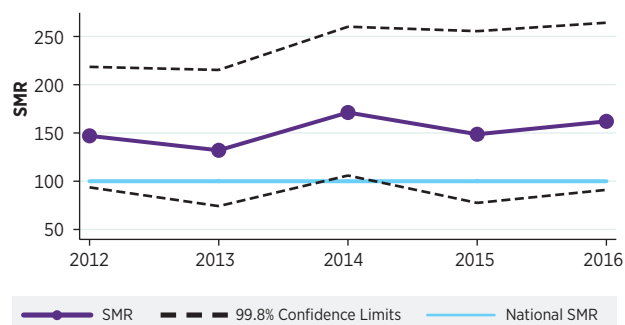


Ireland East Hospital Group

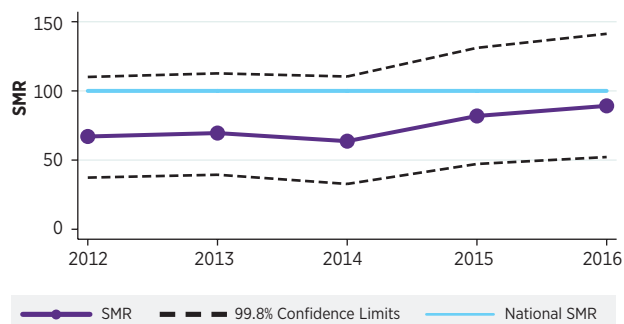
Mater Misericordiae University Hospital: Pneumonia



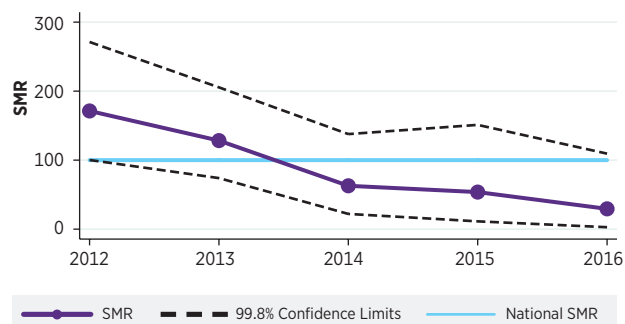
Midland Regional Hospital Mullingar: Pneumonia



Our Lady's Hospital Navan: Pneumonia

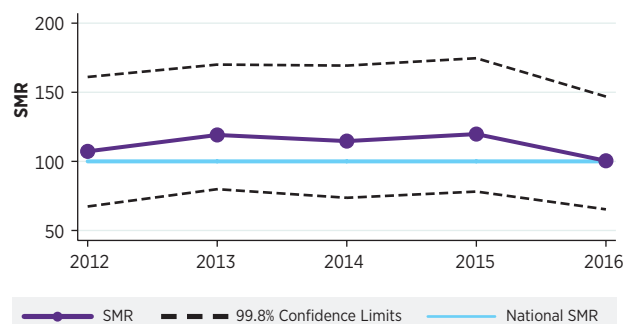


St Columcille's Hospital: Pneumonia

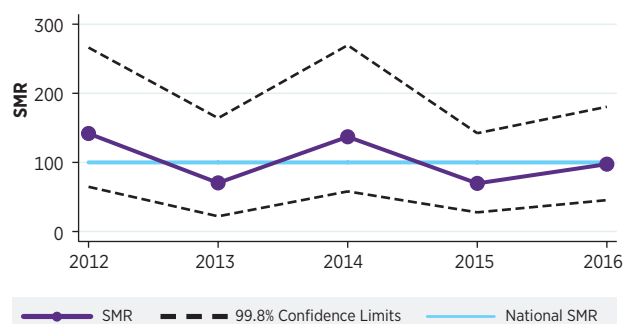


Ireland East Hospital Group

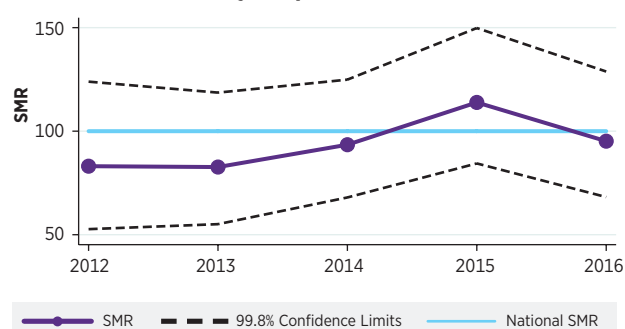
St Luke's Hospital Kilkenny: Pneumonia



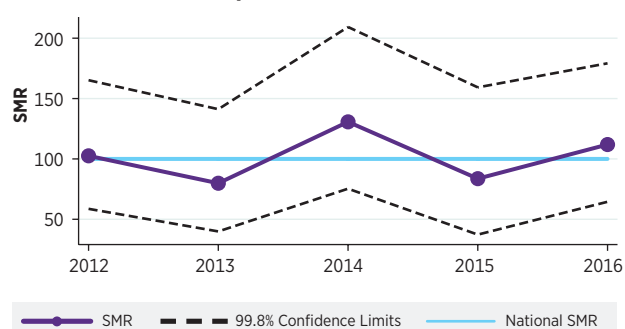
St Michael's Hospital: Pneumonia



St Vincent's University Hospital: Pneumonia

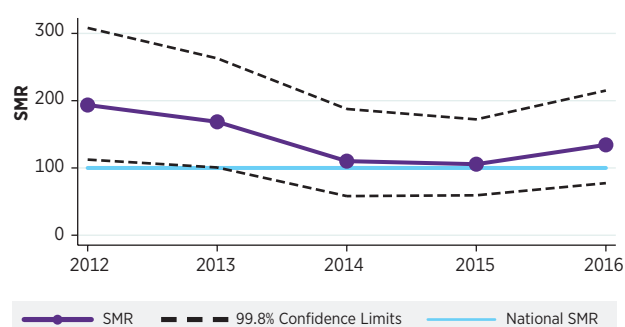


Wexford General Hospital: Pneumonia

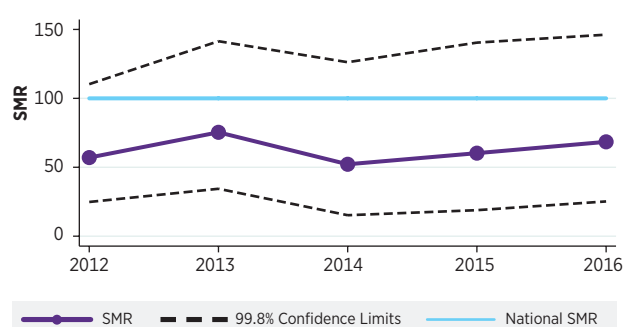


Dublin Midlands Hospital Group

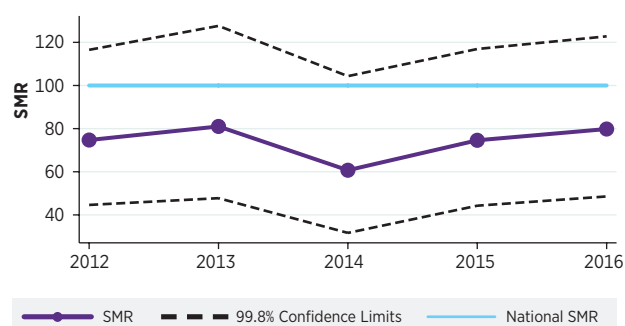
Midland Regional Hospital Tullamore: Pneumonia



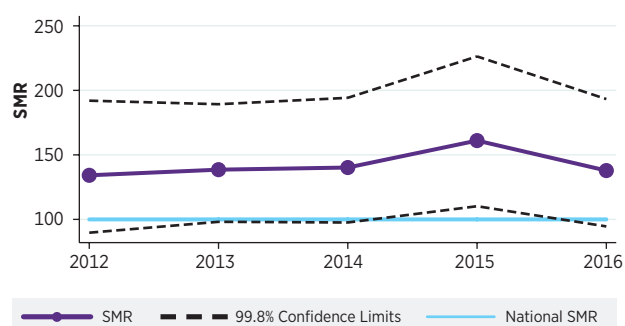
Midland Regional Hospital Portlaoise: Pneumonia



Naas General Hospital: Pneumonia

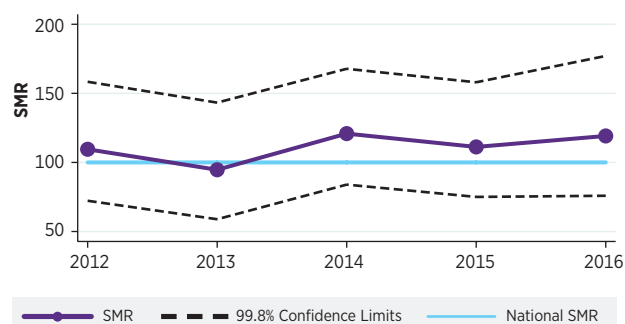


St James's Hospital: Pneumonia



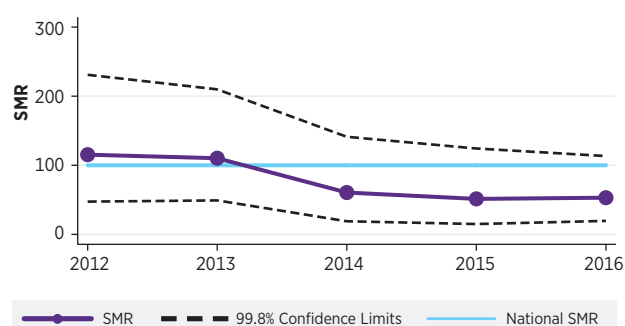
Dublin Midlands Hospital Group

Tallaght (Adult) Hospital: Pneumonia

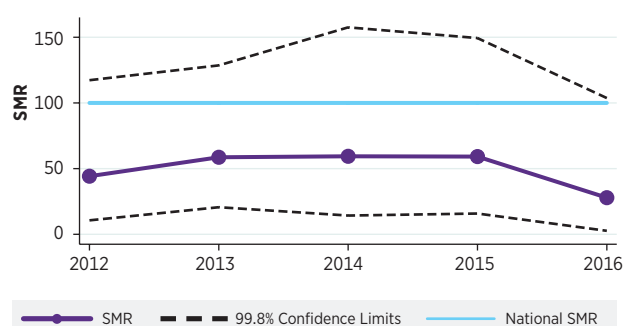


UL Hospital Group

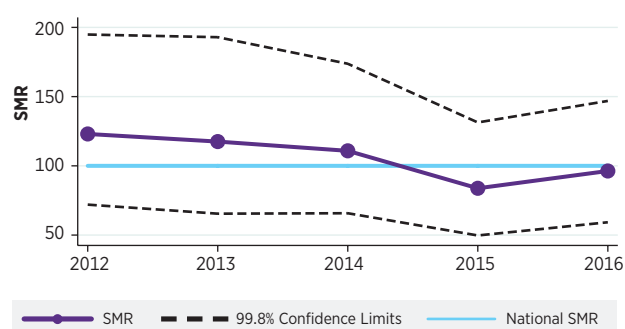
Ennis Hospital: Pneumonia



St John's Hospital: Pneumonia

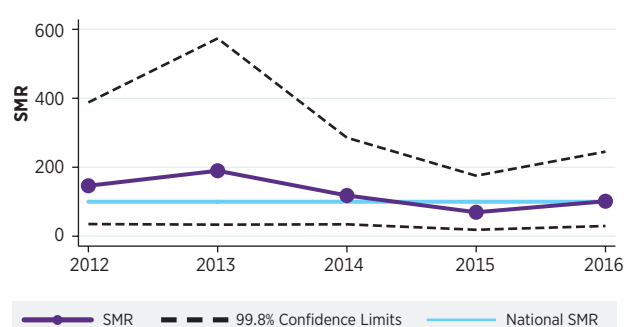


University Hospital Limerick: Pneumonia

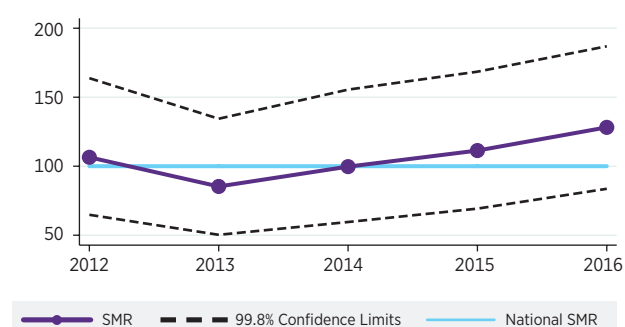


South/South West Hospital Group

Bantry General Hospital: Pneumonia

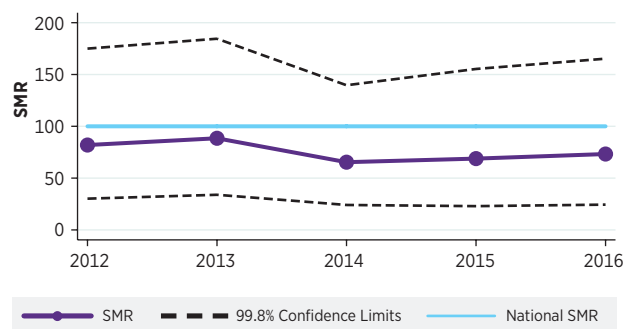


Cork University Hospital: Pneumonia

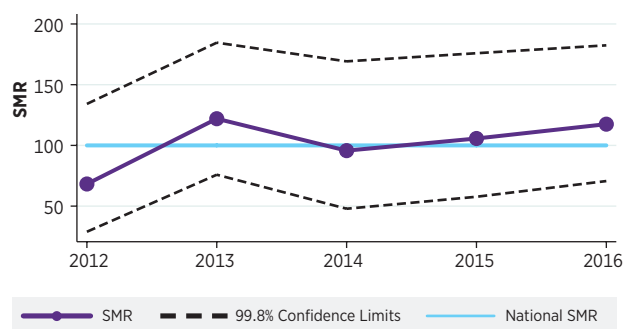


South/South West Hospital Group

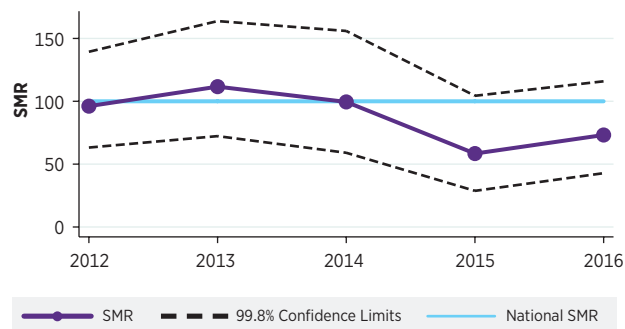
Mallow General Hospital: Pneumonia



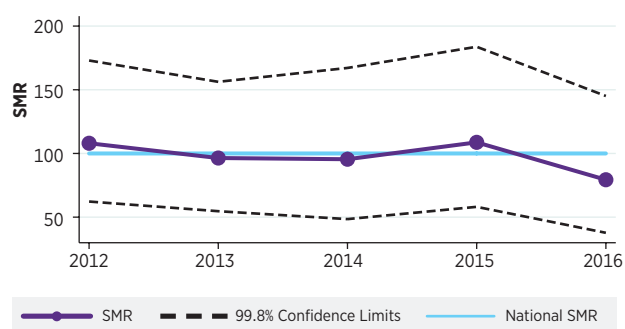
Mercy University Hospital: Pneumonia



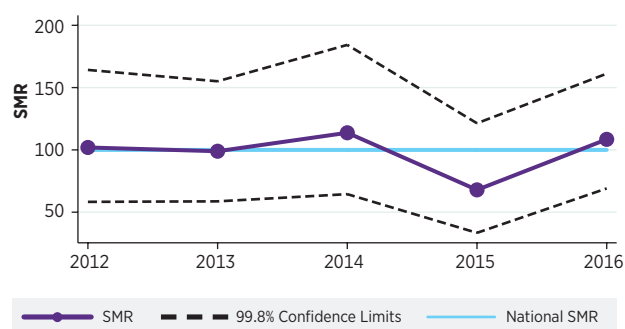
South Tipperary General Hospital: Pneumonia



University Hospital Kerry: Pneumonia

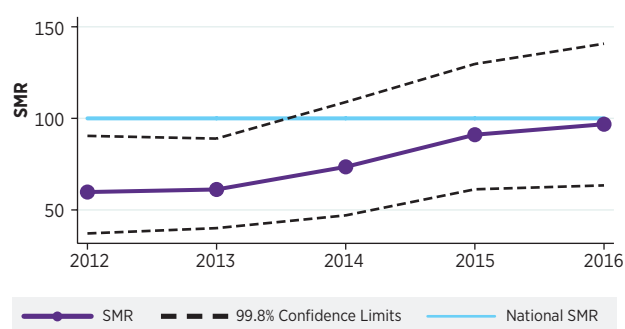


University Hospital Waterford: Pneumonia

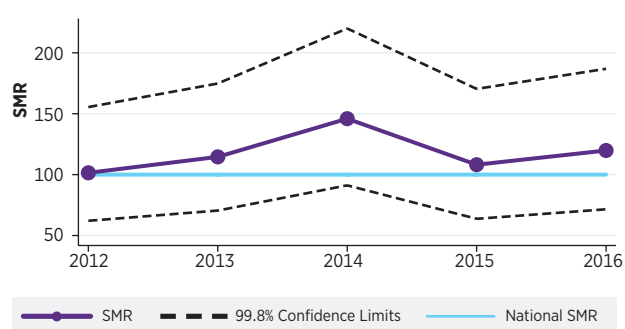


Saolta University Healthcare Group

Galway University Hospitals: Pneumonia

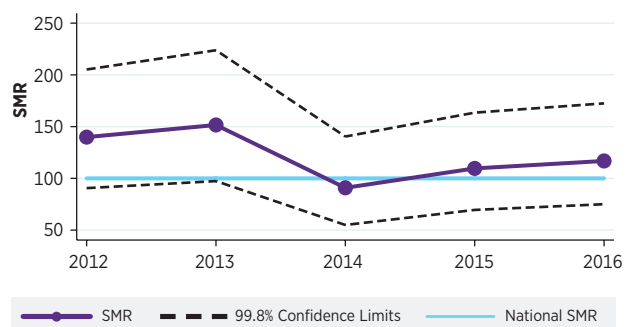


Letterkenny University Hospital: Pneumonia

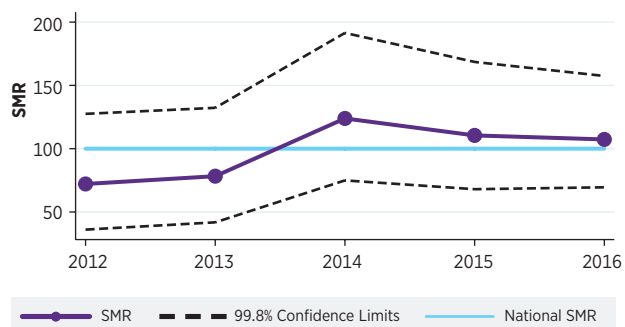


Saolta University Healthcare Group

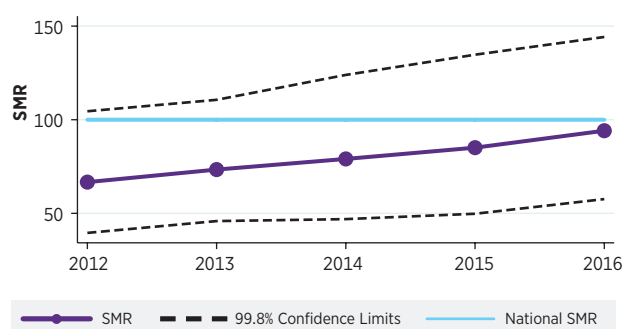
Mayo University Hospital: Pneumonia



Portiuncula University Hospital: Pneumonia



Sligo University Hospital: Pneumonia



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