



Healthcare funding in Northern Ireland

An analysis of healthcare funding in Northern Ireland in comparison with England from 2011 to 2019 (update to 2018 publication)

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Executive summary

Briefing overview

This briefing is an update to a report published in 2018¹, which analysed the differences in per capita healthcare funding in Northern Ireland and England between 2011 and 2015. In order to be comparable, we take the same base year of 2011 but extend the analysis to 2019. The calculation methodologies and approach to analysis remain the same, with updated and expanded data used where applicable.

The briefing looks at how per capita healthcare funding in Northern Ireland and England has changed between 2011 and 2019, and how funding might have been expected to differ from this had certain assumptions about the impact of drivers of healthcare funding need been applied consistently to both countries.

As a starting point, we use the explicit assumption that the level and degree of variation in per capita funding in Northern Ireland and England in 2011 was appropriate. Given this assumption, we analyse the change in actual per capita growth in healthcare funding and compare it with what would be expected, given various pressures on healthcare funding.

Later in our analysis we return to the assumption that the degree of variation in healthcare funding in 2011 was appropriate. We look at the differential in healthcare need between Northern Ireland and England that is driven by differences in relative levels of deprivation. We use this differential to produce scenarios of how funding levels in Northern Ireland might have looked in 2011 if they reflected certain assumptions about the impact of deprivation on healthcare need. In turn, we see how this would affect the per capita healthcare funding expected in 2019.

Analysis structure

We examine the actual per capita funding levels for healthcare in Northern Ireland and England between 2011 and 2019 (being the most recent year for which comparable data is available) and note that the cumulative growth in per capita funding across that period is greater in Northern Ireland, at 30.4%, compared to 29.2% in England. We highlight the approach taken to allocate changes to funding across the devolved nations using the Barnett formula.

We use demographic data for Northern Ireland and England, together with estimated relative healthcare funding variation by age group, to form an estimate of the level of healthcare funding growth that would be required to address demographic pressures in those countries. The finding of this analysis is that, because of different changes in the age profile of the two countries, the amount of growth in healthcare funding required has varied. The amount of additional per capita funding required in 2019 over and above 2011 because of these demographic changes alone, varies from 4.5% in England to 6.3% in Northern Ireland.

We present an analysis of the age profiles of England and Northern Ireland and note the relatively greater increase in over 75-year-olds in Northern Ireland between 2011 and 2019. The briefing goes on to show how, despite this relative increase being only marginally higher in Northern Ireland than England, the impact on required funding is disproportionately higher because of the significantly higher healthcare funding requirements for older people.

We contrast the estimated required growth in per capita funding due to these demographic pressures with the actual per capita growth in funding in the two countries. The finding is that actual growth has exceeded the growth one would expect because of demographic pressures alone. This is of course not surprising; there has been cost inflation between 2011 and 2019 which is not reflected in our analysis of the impact of demographic changes. There will also have been non-demographic pressures on the amount of healthcare people require on average; that is, increases in the amount of healthcare people require of example because of technological advances

¹ HFMA, *Healthcare funding in Northern Ireland*, January 2018

that enable more conditions to be treated, or because of population health changes that give rise to greater incidences of certain conditions.

The briefing notes that England's per capita funding growth above the amount expected solely because of demographic factors is slightly greater than Northern Ireland. In England, growth in funding between 2011 and 2019 was 23.6% above what one would have expected from demographic pressures alone, in Northern Ireland it was 22.7%. Between 2011 and 2019, the difference in cumulative growth varied quite significantly, with the widest gap seen in 2015 and discussed in the earlier briefing (9.8% in England and 5.3% in Northern Ireland).

Without commenting on the appropriateness of the growth in funding, we analyse what funding growth would have been like in Northern Ireland had it (i) grown as our analysis shows because of the demographic pressures, and (ii) also experienced growth above this level in line with the non-demographic and inflationary growth experienced by England.

Per capita inflationary and non-demographic pressures might not be expected to vary materially between the two countries. So, it is instructive to see what impact the required non-demographic and inflationary growth in England would have had on Northern Ireland, had it followed the same growth levels. We do not have direct evidence of this non-demographic and inflationary growth but, on the assumption that we have correctly calculated demographic growth earlier, we can infer it from looking at overall growth.

On this analysis, the actual per capita funding in 2019 is, when factoring in all expected growth, £20 lower than expected in Northern Ireland. We translate what this additional per capita funding means at a population wide level for Northern Ireland. In 2015, this analysis showed that Northern Ireland's per capita funding was £95 lower than expected, again, the largest differential during the period.

Until this point in our analysis we assume that, in 2011, the differential in per capita healthcare funding between the two countries is appropriate and see, given this assumption, how the per capita healthcare funding might have been expected to change. One would expect healthcare per capita funding levels to differ between countries because of demographic pressures, the effect of which we analyse; and because of other drivers such as relative amounts of rurality, and underlying healthcare need, the effects of which we have not analysed.

We look at evidence on the differing healthcare funding need between Northern Ireland and England. We note that research by McKinsey published in 2011, estimates the difference in healthcare funding need between Northern Ireland and England is between 7% and 16%. We investigate what the expected funding levels in Northern Ireland in 2019 would be, were Northern Ireland's funding between 7% and 16% greater than England's in 2011 and then grown by the expected rate from our earlier analysis.

Per capita funding and growth 2011 to 2019

In July 2021, HM Treasury published the latest national statistics on health expenditure by country and region per head of population². As shown in chart 1, the amount spent per capita has increased in England and Northern Ireland since April 2011 in cash terms.

In 2019, spend per head was £2,616 in Northern Ireland compared to £2,427 spend per head in England. The rate of increase was greater in Northern Ireland with cumulative growth of 30.4% since April 2011 compared to 29.2% in England.

² HM Treasury, *Public expenditure statistical analyses 2021*, July 2021



Chart 1: Spend on health per capita 2011 to 2019

Source: HM Treasury

These health expenditure figures are shown in cash terms rather than real terms. A figure shown in cash terms is simply the actual cash expenditure. This differs to a figure shown in real terms which is adjusted for inflation to reflect the changes in the value of money over time. Although in chart 1 a \pounds 1,000 spend in 2019 will be worth less than the \pounds 1,000 spend in 2011, it provides a helpful comparison of the differing growth rates between the two countries. The impact of inflation is explored later in our analysis.

The current system of grants used to allocate annual changes in funds (both up and down) from Westminster to the devolved nations, is the Barnett formula³. For all functions that are provided at a devolved level, the changes made to funding for English departments are simply allocated to the devolved nations based on population size. There is no consideration of the needs of each nation as part of this formula.

This approach was amended slightly during the Covid-19 pandemic to recognise the requirement for certainty of funding to address the immediate needs of the pandemic. While funding was allocated through the Barnett formula, linked to any increases announced in England, a minimum guaranteed increase to the devolved nations' block grants was established to enable financial planning. This applied in the 2020/21 financial year so is outside of the time period being considered in this briefing.

Caveats around the comparability of these data need to be recognised. Health expenditure figures will reflect differences in what is funded in each of the countries. For example, although the Northern Ireland figures provided are for health only, it will be difficult to disentangle social care spending exactly in an integrated system. Other examples include differing medicine policies and that

³ House of Commons Library, *The Barnett formula*, January 2020

prescriptions are free in Northern Ireland, but not England. However, these differences are unlikely to have a material impact on the spending pattern over time, and these figures provide a useful overall picture on per capita funding and growth.

Expected demographic growth in per capita funding

In order to compare and assess the actual growth in funding per capita in Northern Ireland and England, we first need to consider what we would expect this to be based on demographic growth. The Barnett formula uses population numbers to apply to the total amount of devolved funding from Westminster. Our review looks at the actual changes in spending from 2011 to 2019. Both the changes in population numbers by age and the relative costs by age need to be considered when estimating the expected funding required to address demographic pressures. On average, the cost of healthcare for older people is greater, so the rate at which the population is ageing will have a significant impact on costs. Below we analyse the increasing population figures and how this is reflected in each age group. We then use the expected costs of healthcare by age to determine the impact these population changes are expected to have on per capita funding.

The Office for National Statistics provides mid-year estimates of population numbers each year by sex and age⁴. These confirm that there has been a growing and ageing population across each of the four nations since April 2011, continuing the trend highlighted in the earlier report. These estimates provide us with an age profile for the populations from 2011 to 2019. Chart 2 shows that while the population is growing overall, there is a shift in the age profile. The earlier report, looking at 2011-2015, showed a significant increase over those years in the 65+ population. Between 2015 and 2019, that increase has shifted, with the 70+ population increasing by 12.6% between 2015 and 2019, but the 0-69 group only increasing by 1.2%.



Chart 2: UK population numbers in 2011, 2015, and 2019 by age group

Source: ONS mid-year estimates

We have grouped data into age categories that align with those that NHS England and NHS Improvement has used for its age-cost curves⁵. The age-cost curves provide an indication of the

⁴ Office for National Statistics, *Estimates of the population for the UK, England and Wales, Scotland and Northern Ireland*, June 2021

⁵ NHS, *Technical guide to allocation formulae and convergence*, December 2021

relative cost per head of providing healthcare services to different age and sex groups. For example, an age-cost curve might tell us that the average cost of healthcare for a child up to the age of 5, is twice what it is for a child aged 5 to 10, the underlying cause being less need for complex healthcare in older children.

NHS England and NHS Improvement has issued publicly available age-cost curves for general and acute, community services, mental health, prescribing, and primary medical care. We have used the general and acute age-cost curve as an indicator for the relative cost per head, as set out in table 1. This table was issued in 2021 but, as we are using relativities, this later date does not skew the analysis. Although it does not reflect the differences in costs across the whole health system, we have used it as it is the largest cost component within the system.

When using the age-cost curve for our analysis, the important information is the relative differences in costs between the different age groups. For example, the cost of healthcare for 80- to 84-year-olds is more than 10 times greater than that for 5- to 9-year-olds. Using these differences, we can apply them to overall funding levels and changes in demographic profiles over time to estimate the demographic impact on growth in required healthcare funding.

Age group	Males (£)	Females (£)
0-4	262	209
5-9	179	149
10-14	172	165
15-19	187	233
20-24	195	269
25-29	201	306
30-34	209	335
35-39	231	358
40-44	272	392
45-49	340	466
50-54	430	543
55-59	563	619
60-65	738	723
65-69	958	877
70-74	1228	1098
75-79	1658	1440
80-84	2103	1799
85+	2682	2239

Table 1: General and acute age-cost curve

Source: NHS England and NHS Improvement

*we have used the NHS England and NHS Improvement figure for age 1-4 to represent the age group 0-4

Using these data for each year from 2011 to 2019 and for both Northern Ireland and England, we have multiplied the population in each age and sex group by the relative general and acute age-cost curve. The sum of this is used to help calculate the growth, based on demographic growth reflecting the different expected levels of cost for each age group. This number should not be assumed to relate to any particular cost, rather it is a way of providing relative rankings of years and countries.

By calculating how this value grows over time we could arrive at an estimated demographic growth rate for each country. However, this growth rate would factor in both overall growth in the population and changes in the proportion of the population in each age group. Accordingly, we take the overall cost value and divide it by the country's population in the year.

We repeat these steps for each of the years from 2011 to 2019, and for each country. The result is a set of values, nine for each country. These values increase over time and, by calculating this level of growth for a particular country, we can form an estimate of the growth in healthcare funding need for each country over a particular time period.

Table 2 sets out the key steps used in the analysis. This shows that the amount of additional funding expected in 2019 over and above 2011, due to demographic changes alone is 4.5% in England and 6.3% in Northern Ireland (see chart 3).

Table 2: Steps to calculate expected demographic growth in per capita funding between 2011 and 2019

	England	Northern Ireland
Step 1: Multiply the 2019 population in each age group for males and females by the relative acute / general cost for each, and sum	30,377,530,403	975,574,418
Step 2: Divide this by total 2019 population for males and females to get per capita relative cost (\pounds)	/ 56,286,961 = 539.69	/ 1,893,667 = 515.18
Step 3: Divide the in-year relative cost by that in 2011 to get the rate of increase of relative cost since 2011	/ 516.50 = 4.5%	/ 484.69 = 6.3%

Chart 3: Expected cumulative growth in funding since 2011, based on demographic changes



The 6.3% expected increase in funding in Northern Ireland reflects the impact of a relatively greater increase in over 80-year-olds as a proportion of the population, compared to England. Although this is a relatively small increase only, the impact is disproportionately greater due to the increase in healthcare costs as people get older.





Chart 4 sets out the change in proportion of population in each age group weighted by relative cost of healthcare in those age groups. For example, an increase in the proportion of people aged 70 to 74 would be weighted more highly than the same increase in numbers of 20- to 24-year-olds because of the relatively greater average healthcare costs for 70- to 74-year-olds.

This is derived by multiplying the growth in proportion of the population in each age group by the general and acute cost for that age group, which comes from the age-cost curve. It shows that while England's share of the cost has grown for those aged 70 to 74, it has shrunk for those aged 60 to 64. In Northern Ireland, the proportion of the population for all 75+ age groups has increased at a greater rate than in England. This combined with the increased costs for health for those aged over 75, leads to the extra 1.8% demographic pressure per capita, compared to England.

Difference in expected per capita funding because of demographic growth and actual growth in funding

We saw in the previous section, based on some assumptions about the relative cost of care for different age groups and the changes in countries' demographic makeup, that we would have expected per capita funding to grow between 4.5% and 6.3% between 2011 and 2019. In reality, per capita funding grew far more than this, for example by 29.2% in England.

The reason that funding growth is far higher than what we would expect from demographic pressures alone is principally due to other, non-demographic, pressures that increase demand, as well as inflationary pressures on costs.

There may also be, in theory, an effect of a policy decision to increase funding beyond what would be required to address these pressures. However, the prevailing policy direction between 2011 and 2019 has not been to increase funding beyond that required by growth pressures, so we shall assume in what follows that this has not been the case.

Noting the growth in England's funding level per capita, in this section we analyse how Northern Ireland's funding levels would look had it experienced similar growth to that attributable to England's implied non-demographic and inflationary pressures. That is, we see what funding levels would have been in Northern Ireland had it grown in line with the demographic pressures from the previous section, together with the non-demographic and cost inflationary pressures that England experienced.

The first step in this part of the analysis is to estimate the combined growth rate in England that arises because of non-demographic and inflationary pressures. We know the overall growth rate in England's per capita funding, and we know, based on certain assumptions, the demographic growth rate, and so the calculation is straightforward.

Starting with the previous section's findings, the expected cumulative growth in per capita funding attributable solely to demographic pressures looks as below:

Estimated cumulative per capita demographic growth in funding required since 2011	2012	2013	2014	2015	2016	2017	2018	2019
England	0.6%	1.1%	1.8%	2.1%	2.5%	3.2%	3.7%	4.5%
Northern Ireland	0.8%	1.6%	2.5%	3.2%	3.9%	4.7%	5.4%	6.3%

Table 3: Estimated cumulative demographic growth pressures

The actual per capita growth in England's funding though, looks as below:

Table 4: Actual per capita cumulative funding growth in England

Actual per capita growth in funding since 2011	2012	2013	2014	2015	2016	2017	2018	2019
England	2.0%	6.1%	9.4%	12.1%	13.7%	16.9%	20.8%	29.2%

From this, and the demographic growth in England, we can estimate the growth in funding in England that is attributable to non-demographic pressures and inflation. This gives us the table below:

Table 5: Estimated non-demographic and inflationary funding growth in England

Estimated non- demographic and inflationary funding growth	2012	2013	2014	2015	2016	2017	2018	2019
England	1.4%	4.9%	7.5%	9.8%	10.9%	13.3%	16.5%	23.6%

We then take Northern Ireland's demographic growth from table 3 and combine it with the assumed growth for all factors that we have in table 5. This gives us an estimate of overall growth in funding required in table 6.

Table 6: Estimated requisite total cumulative funding growth

Estimated cumulative per capita total growth in funding required since 2015 using England's implied non-demographic and inflationary growth together with Northern Ireland's estimated demographic growth	2012	2013	2014	2015	2016	2017	2018	2019
England	2.0%	6.1%	9.4%	12.1%	13.7%	16.9%	20.8%	29.2%
Northern Ireland	2.2%	6.6%	10.1%	13.2%	15.1%	18.4%	22.5%	31.0%

From table 6 we can see that while England experienced 29.2% growth in per capita funding between 2011 and 2019, Northern Ireland would have experienced 31.0% if they had the same funding uplifts because of non-demographic and inflationary pressures as England. The difference between the growth rates in table 6 is attributable to the differing demographic growth need that we analysed previously.

To get to table 6 we have made a number of explicit assumptions along the way and the analysis is, of necessity, contingent on these assumptions.

The assumptions in summary:

- per capita funding levels in England and Northern Ireland were equitable in 2011
- we have assumed that demographic growth is driven by changes in the age-sex profile of the populations, together with the differing relative costs for different ages and sexes of acute care
- we have assumed that the portion of England's growth in funding that is attributable to everything other than demographic growth is simply its actual growth less the growth we calculated should be required because of demographic pressures
- finally, we have examined what would happen if Northern Ireland had funding growth in line with their own demographic needs together with the calculated non-demographic and inflationary growth funding experienced in England.

It is important to note that these assumptions are all challengeable and so the resultant figures ought to be a starting point for discussion and nothing more. We note in the subsequent section how the growth figures might differ under scenarios where we explicitly assume that funding levels for Northern Ireland and England were not equitable in 2011.

Noting these extensive caveats, we can see how the modelled required growth in table 6 diverges from the actual growth rate. Table 7 shows how much additional cumulative growth in funding would be required in each country to match the growth rate in table 6, that is, the difference between actual growth in funding and the modelled requisite funding.

Table 7: Additional funding growth to meet estimated requisite funding levels

Extra cumulative growth in funding required in order to meet demographic, non- demographic, and inflationary growth levels comparable to England	2012	2013	2014	2015	2016	2017	2018	2019
England	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Northern Ireland	-2.9%	1.0%	4.2%	4.6%	3.3%	3.5%	1.1%	0.6%

As expected, given the methodology, the England row is nil for each year; this is because we are comparing Northern Ireland against England. We note though that, given our assumptions, by 2019 Northern Ireland would require an extra 0.6% in per capita funding to be equivalent to England.

Translating this extra growth into additional per capita spending, gives us table 8:

Table 8: Estimated additional per capita healthcare required

Additional per capita spending to meet modelled required funding growth (£)	2012	2013	2014	2015	2016	2017	2018	2019
England	0	0	0	0	0	0	0	0
Northern Ireland	(58)	20	85	94	70	76	28	20

Interpreting this table, we see that Northern Ireland would require an extra £20 per capita funding in 2019, given our modelled assumptions.

Given the relative populations, the modelled required per capita increase in funding at table 8 can be translated into the total additional funding that would be required under the same assumptions. We show this in table 9.

Table 9: Estimated additional total country additional healthcare funding required

Additional per capita spending to meet modelled required funding growth (£m)	2012	2013	2014	2015	2016	2017	2018	2019
England	0	0	0	0	0	0	0	0
Northern Ireland	(107)	37	156	174	130	142	53	37

In 2019, Northern Ireland would have required a further £37m in funding to meet the modelled growth.

Underlying differences in healthcare funding need

The analysis in the previous section was predicated on the assumption that funding levels in 2011 were equitable. However, analysis conducted by McKinsey in 2010⁶ looked at the relative levels of deprivation between Northern Ireland and England and how this might affect funding levels. Their

⁶ McKinsey, *Reshaping the system: implications for Northern Ireland's health and social care services of the 2010 spending review,* 2011

analysis suggested that there is a need for healthcare funding in Northern Ireland of between 7% and 16% greater than that of England.

What this means, in the context of the report produced by McKinsey, is that were England to spend \pounds 100 per capita on healthcare, Northern Ireland would need to spend \pounds 107 at the 7% level or \pounds 116 per capita at the 16% level to achieve comparable healthcare provision. In this section, we explore the impact of these differing scenarios for Northern Ireland's healthcare funding.

The principal justification for the claim that there is a need for greater healthcare funding in Northern Ireland than England, is the different levels of deprivation between the two countries. There is no single agreed deprivation index that can be used to compare deprivation between Northern Ireland and England. However, the McKinsey report suggests that one proxy is the level of disability living allowance (DLA) claimed. The report notes that approximately 10% of the population in Northern Ireland are claiming DLA in comparison to approximately 5% in England.

Since 2011, the relative difference in the proportion of DLA claimants has remained at similar levels. Analysis of government data shows that, in mid-2019, 5.8% of the population in England were claiming DLA or its replacement personal independence payment (PIP) and this compared with 12.1% in Northern Ireland⁷.

We have made the assumption that the impact of any baseline (2011) difference in healthcare funding need between Northern Ireland and England because of deprivation remains the same throughout the years under investigation.

In this section of the briefing, we investigate what funding levels in Northern Ireland would need to have been in 2011, assuming the two different scenarios of 7% additional funding need and 16% additional funding need. We then grow these assumed 2011 funding levels using the implied growth rates because of demographic and non-demographic pressures on activity and the inflationary pressures on price growth that we used in the previous section.

Table 10 shows four different scenarios. The first two are the actual per capita healthcare funding in 2011 in Northern Ireland and England respectively, these are the same figures that we have used as the basis of our calculations in the previous section of this briefing. The next two rows show what per capita funding in Northern Ireland would have been in 2011 if it were set at England's level plus 7% (row three) or at England's level plus 16% (row four).

	2011
Actual England per capita funding (£)	1,879
Actual Northern Ireland per capita funding (£)	2,006
Northern Ireland per capita if 7% greater need than England (£)	2,011
Northern Ireland per capita if 16% greater need than England (£)	2,180

Table 10: 2011 per capita funding in Northern Ireland under differing scenarios

If England's per capita funding in 2011 was increased by 7% it would have been £2,011. This is only £5 different from Northern Ireland's actual per capita funding of £2,006.

Table 11 presents four different scenarios:

- the actual per capita funding in Northern Ireland from 2011 to 2019
- the per capita amount that healthcare would have to have been funded in Northern Ireland were the 2011 amount correct and annual growth was as calculated in the previous section. The growth that is attributable to the modelled Northern Ireland demographic changes and

⁷ Data from www.ninis2.nisra.gov.uk/public for Northern Ireland and www.gov.uk/government/statistics/dwpbenefits-statistics-august-2019 for England, Scotland and Wales

growth at the same per capita level as England's because of non-demographic activity pressures and inflationary cost pressures

- the same growth attributable to the demographic, non-demographic and inflationary cost pressures from the previous section for years 2021 to 2019 but with the per capita funding for 2011 in Northern Ireland set at the same level as per capita funding in England in 2011 plus 7%
- the same growth attributable to the demographic, non-demographic and inflationary cost pressures from the previous section for years 2021 to 2019 but with the per capita funding for 2011 in Northern Ireland set at the same level as per capita funding in England in 2011 plus 16%.

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Actual Northern Ireland per capita funding (£)	2,006	2,108	2,118	2,125	2,179	2,243	2,304	2,435	2,616
Northern Ireland per capita funding with modelled growth from actual 2011 (£) Scenario 1	2,006	2,050	2,138	2,210	2,273	2,313	2,380	2,463	2,636
Northern Ireland per capita funding with modelled growth from England 2011 + 7% (£) Scenario 2	2,011	2,054	2,143	2,215	2,278	2,318	2,385	2,468	2,642
Northern Ireland per capita funding with modelled growth from England 2011 + 16% (£) Scenario 3	2,180	2,227	2,323	2,401	2,470	2,513	2,586	2,676	2,864

Table 11: Estimated requisite per capita funding in Northern Ireland under different scenarios

We see that under scenario 3, where relative healthcare need in Northern Ireland is estimated at 16% greater than England, the modelled level of healthcare funding required is £2,864 per capita in 2019. This contrasts with the actual healthcare funding in Northern Ireland in 2019 of £2,616 per capita.

Under these scenarios, the modelled gap between the actual funding and the three scenarios at 2011 is as set out in table 12.

 Table 12: Modelled per capita gap in funding between actual Northern Ireland healthcare

 funding and different scenarios

Gap between actual Northern Ireland funding and scenarios (£)	2011	2012	2013	2014	2015	2016	2017	2018	2019
Scenario 1	0	(58)	20	85	94	70	76	28	20
Scenario 2	5	(54)	25	90	99	75	81	33	26
Scenario 3	174	119	205	276	291	270	282	241	248

In 2019, the gap between the actual funding in Northern Ireland and scenario 1 is £20. This is the same figure that we saw in the previous section.

There is a similar gap, at £26, between scenario 2 and the actual, as should be expected. This is because the same growth rates are applied from 2011 throughout each of the three scenarios, with the only variable being the 2011 value, and these base values are only £5 different between scenario 1 and 2.

There is a larger gap of £248 by 2015 between scenario 3 and the actual funding in Northern Ireland. Scenario 3 represents what the modelled funding would be if, in 2011, Northern Ireland's per capita funding was 16% greater than England's, to reflect the suggested increased need when compared with England.

Conclusion

The modelling and analysis in this briefing directly follows the methodologies employed in the earlier, 2018, report. It is based on a set of challengeable assumptions which are consistent with the previous analysis. It suggests that healthcare funding in 2019 in Northern Ireland is higher than England in absolute terms, but lower than England when relative demographic need is considered.

It can be seen that the gap between the two levels of funding has reduced since 2015.

We see that, on the assumption that funding levels were at appropriate levels in 2011, that, by 2019, we would have expected Northern Ireland's funding to be £20 more per capita. This assumes too that the calculated growth in funding in England because of non-demographic and inflationary causes is accurate and is appropriate to use in Northern Ireland.

If we investigate Northern Ireland's differing healthcare need because of differing levels of deprivation between there and England, then the modelled gap between healthcare funding need and actual funding widens further.

If Northern Ireland is found to have a 7% greater per capita need in healthcare funding than England in 2011 because of differing deprivation, then by 2019, the per capita gap is modelled to be £26. If that need differential is however 16%, then the modelled per capita gap is £248. Given a population in Northern Ireland of approximately £1.89m in 2019, this equates to a total gap of £469m between what the modelled required level is and the actual level.

We present these findings as a contribution to the continuing discussion about the relative healthcare funding levels. We are explicitly not stating that these modelled per capita funding levels represent what funding should be, rather we are presenting an exploration of modelled scenarios based on certain assumptions.

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The association also analyses and responds to national policy and aims to exert influence in shaping the wider healthcare agenda. It has particular interest in promoting the highest professional standards in financial management and governance and is keen to work with other organisations to promote approaches that really are 'fit for purpose' and effective.

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