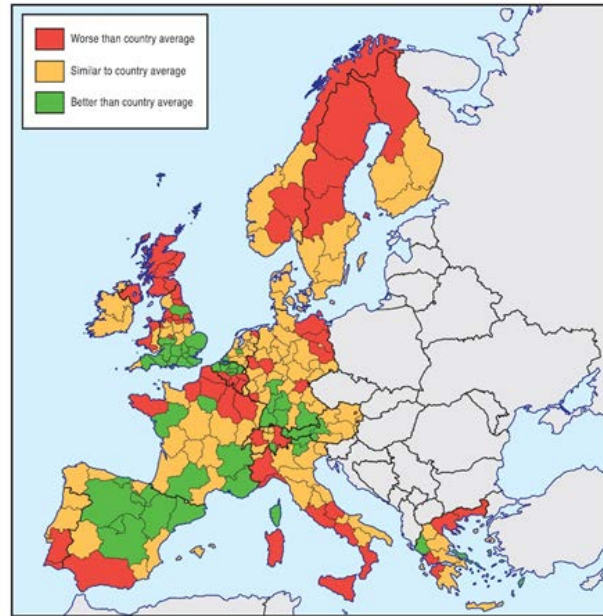


# HiNEWS: *Health Inequalities in European Welfare States*

**Professor Clare Bamba**  
*Eurohealthnet Seminar, Helsinki, May 2017*

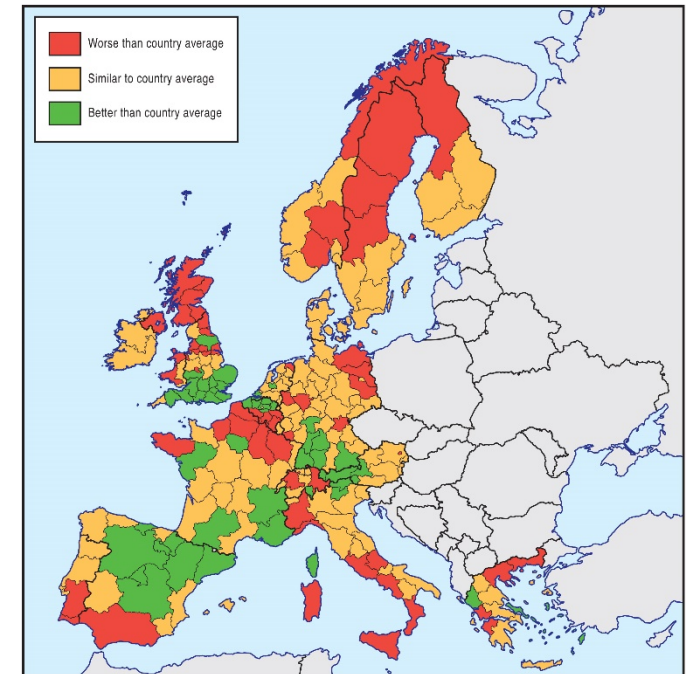
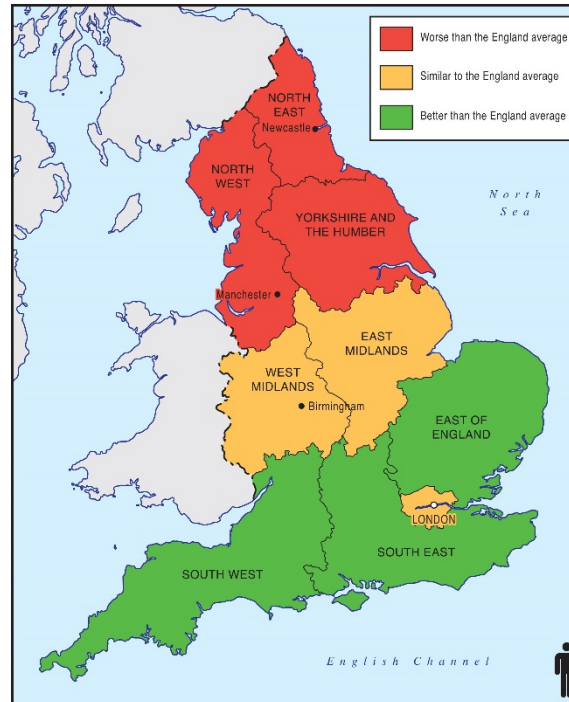
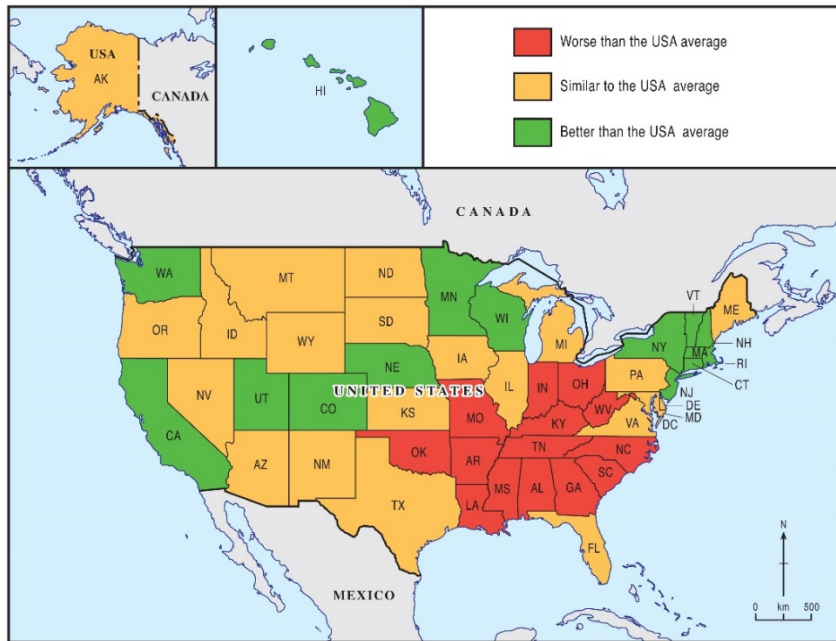


# European Social Survey: Socio-economic HI

| Chronic disease                   | Educ. | Women and Men (25-75) |      |      |
|-----------------------------------|-------|-----------------------|------|------|
| Heart/circulation<br>(n = 2382)   | Med   | <b>1.55</b>           | 1.19 | 2.02 |
|                                   | Low   | <b>1.67</b>           | 1.37 | 2.03 |
| High blood pressure<br>(n = 4666) | Med   | <b>1.50</b>           | 1.38 | 1.63 |
|                                   | Low   | <b>1.61</b>           | 1.48 | 1.77 |
| Breathing problem<br>(n = 2044)   | Med   | <b>1.19</b>           | 1.02 | 1.39 |
|                                   | Low   | <b>1.50</b>           | 1.28 | 1.78 |
| Allergies<br>(n = 3050)           | Med   | <b>0.83</b>           | 0.76 | 0.92 |
|                                   | Low   | <b>0.68</b>           | 0.60 | 0.78 |
| Skin<br>(n = 2176)                | Med   | 0.89                  | 0.71 | 1.11 |
|                                   | Low   | <b>0.60</b>           | 0.47 | 0.76 |
| Back or neck pain<br>(n = 10 307) | Med   | 1.14                  | 0.99 | 1.30 |
|                                   | Low   | 0.99                  | 0.85 | 1.14 |

|                                 |     |             |      |
|---------------------------------|-----|-------------|------|
| Hand or arm pain<br>(n = 5637)  | Med | <b>1.33</b> | 1.14 |
|                                 | Low | <b>1.64</b> | 1.47 |
| Foot or leg pain<br>(n = 5969)  | Med | 1.11        | 1.00 |
|                                 | Low | <b>1.23</b> | 1.11 |
| Severe headaches<br>(n = 3415)  | Med | <b>1.25</b> | 1.03 |
|                                 | Low | <b>1.28</b> | 1.01 |
| Stomach/digestion<br>(n = 4055) | Med | <b>0.88</b> | 0.81 |
|                                 | Low | 0.91        | 0.73 |
| Diabetes<br>(n = 1332)          | Med | <b>1.79</b> | 1.47 |
|                                 | Low | <b>2.36</b> | 2.05 |
| Obesity<br>(n = 4148)           | Med | <b>1.49</b> | 1.28 |
|                                 | Low | <b>1.93</b> | 1.54 |
| Depression<br>(n = 3029)        | Med | <b>1.91</b> | 1.61 |
|                                 | Low | <b>3.12</b> | 2.42 |

# Regional Health Divides

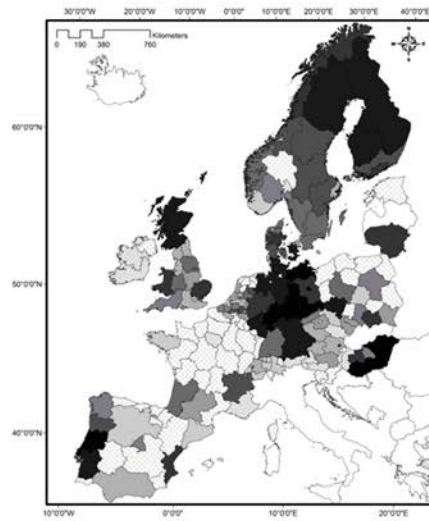


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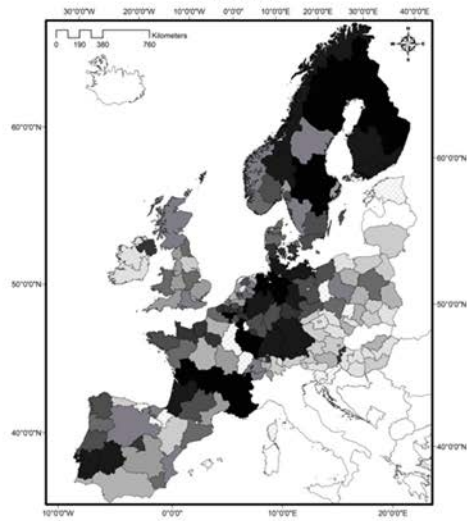


# European Social Survey – Regional HI

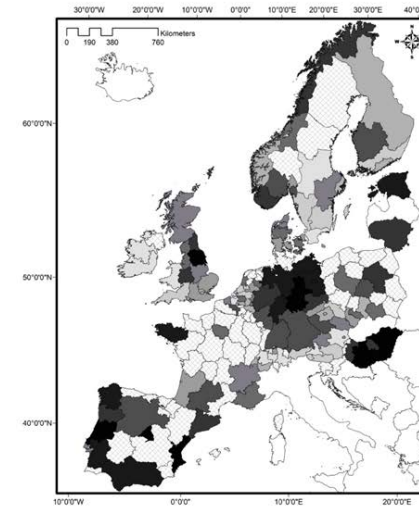
High blood pressure



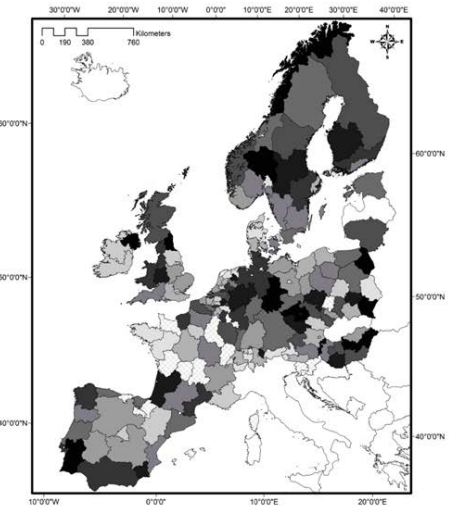
Back or neck/ muscular or joint pain in hand/arm or foot/leg



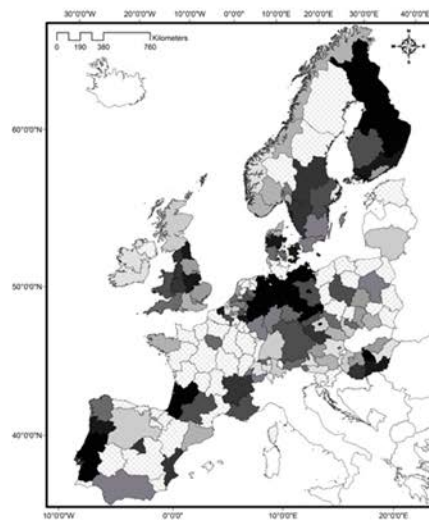
Self-rated poor health



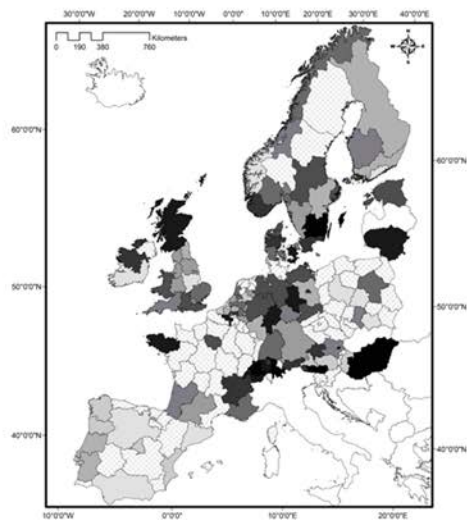
Overweight and obese



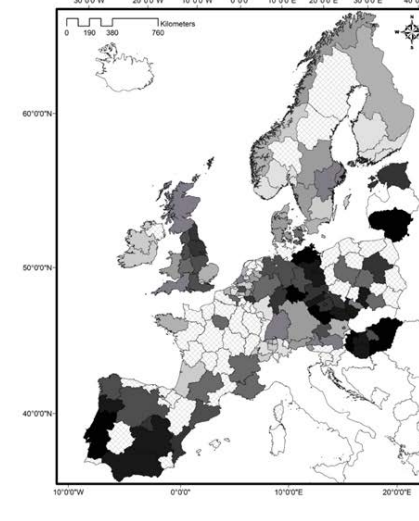
Diabetes



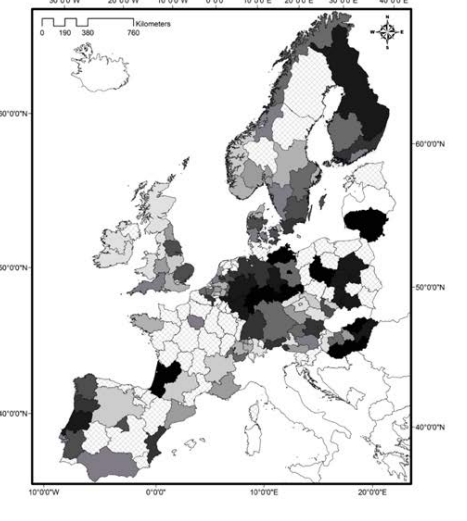
Cancer



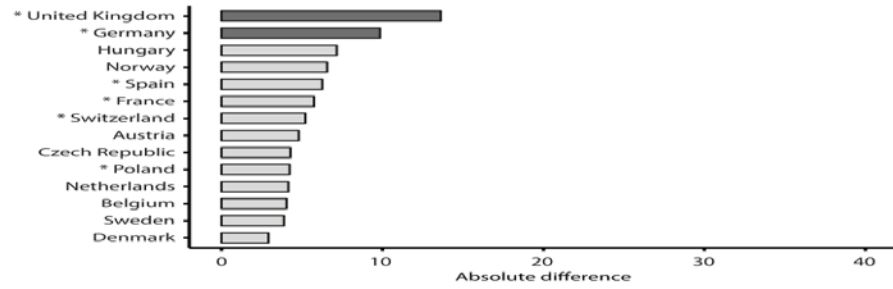
Mental health



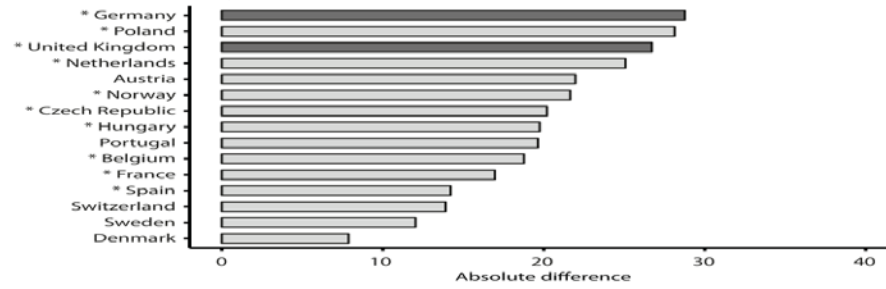
Heart or circulation problems



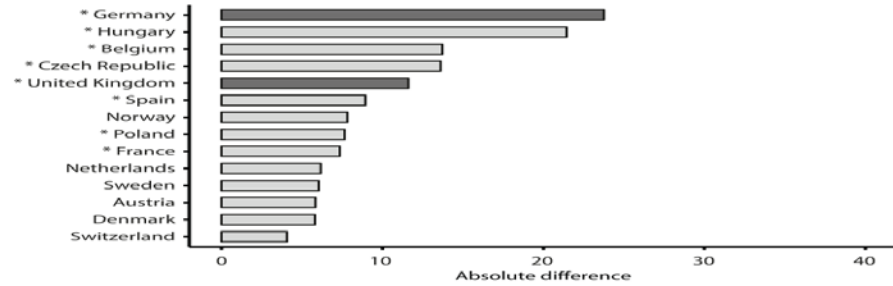
### Self-rated poor health



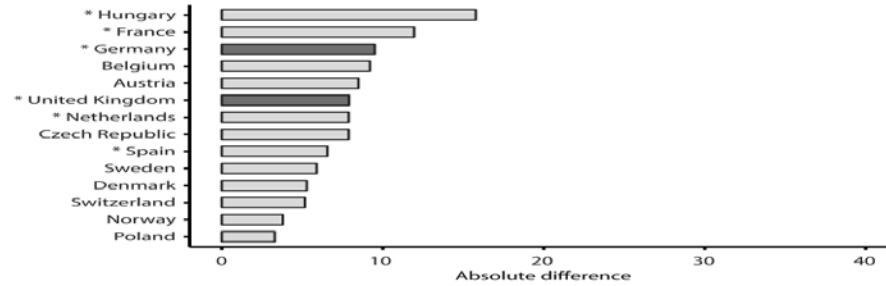
### Overweight/obesity



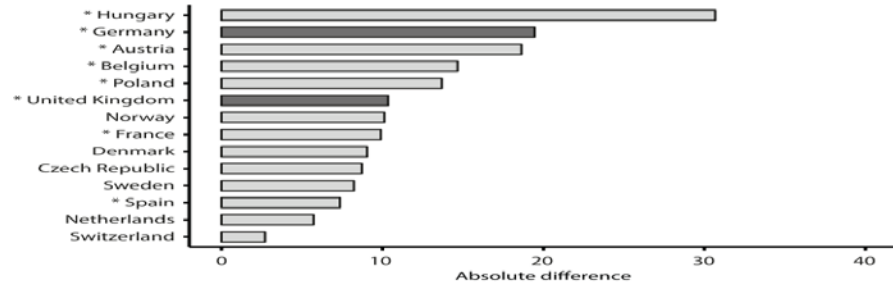
### Mental health



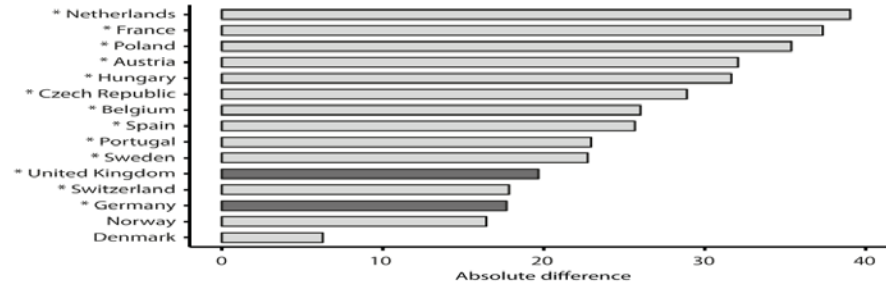
### Heart or circulation problems



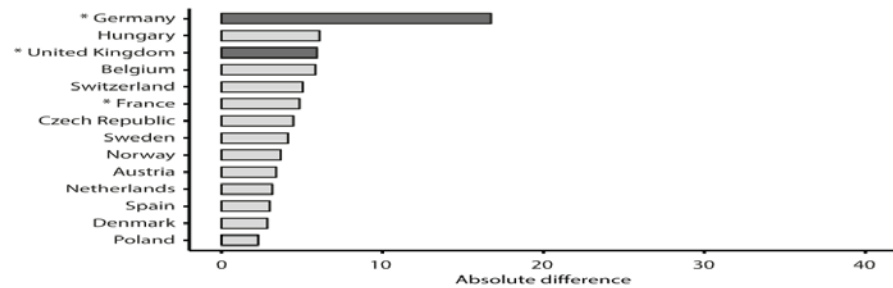
### High blood pressure



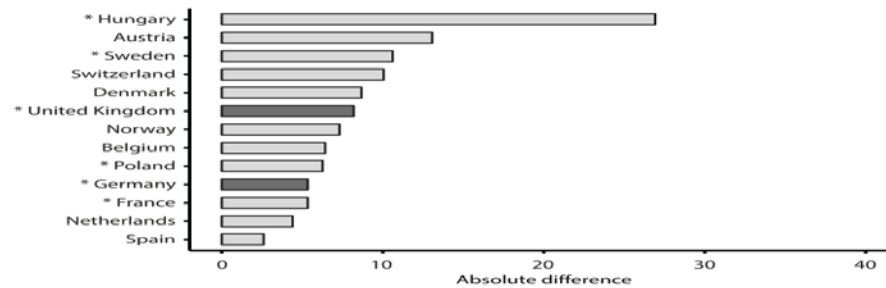
### Back or neck/ muscular or joint pain in hand/arm or foot/leg



### Diabetes



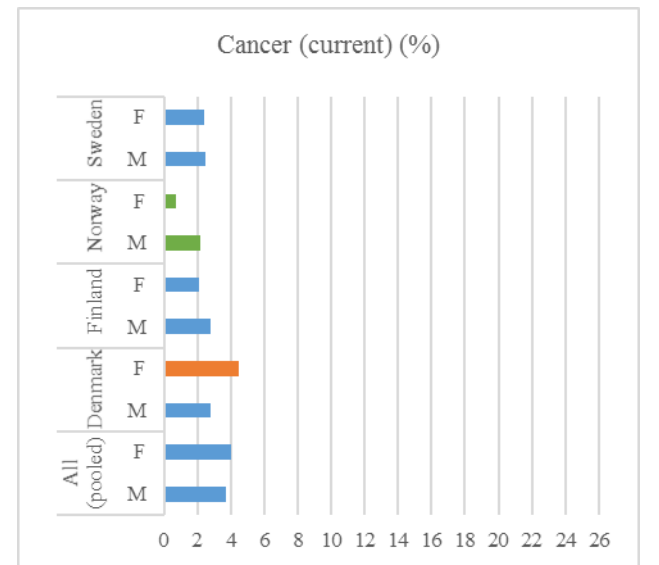
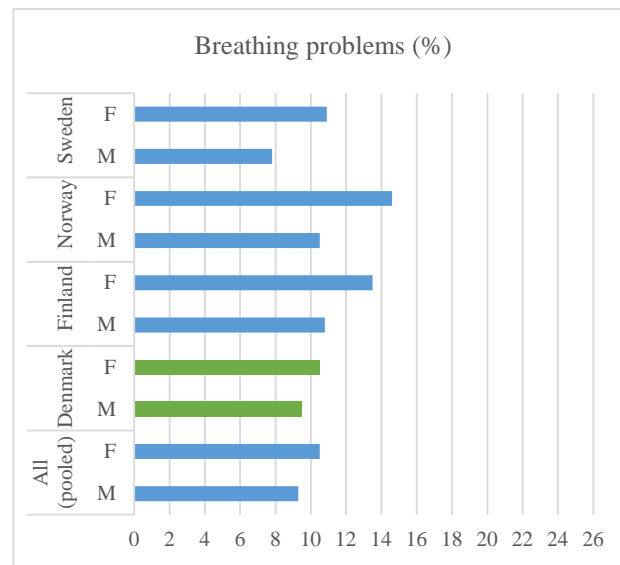
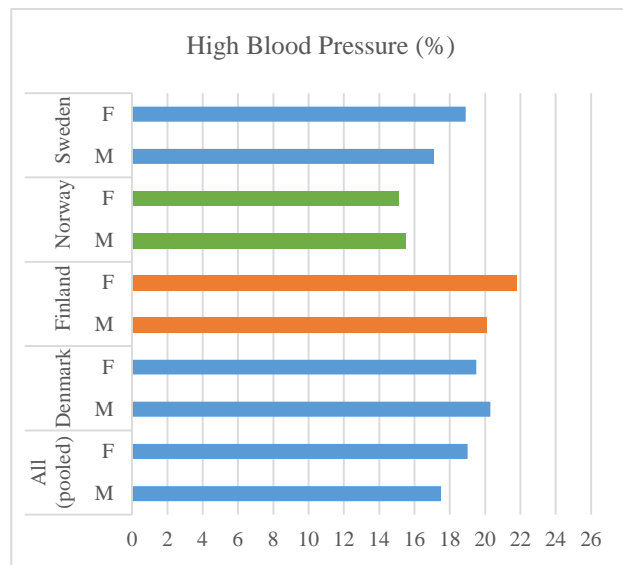
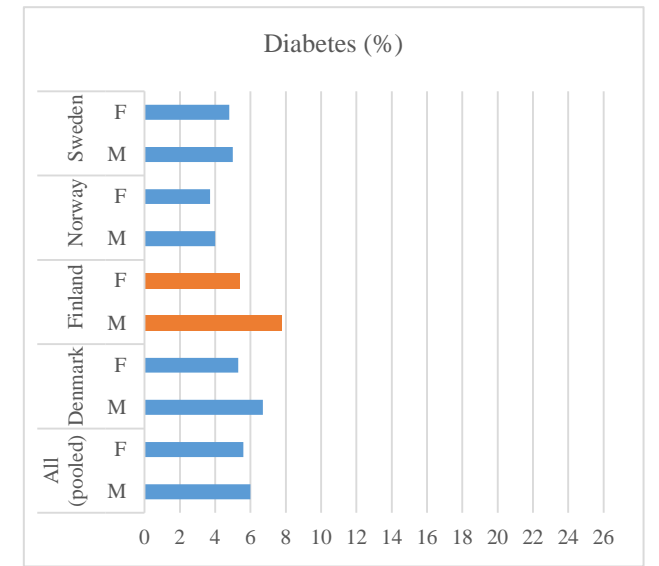
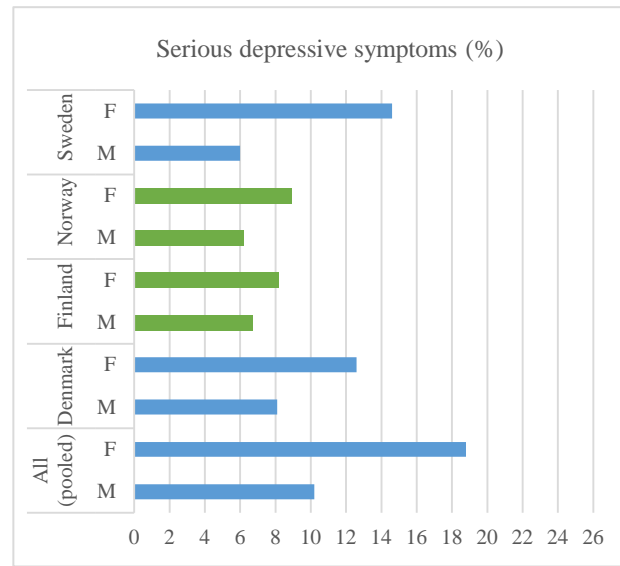
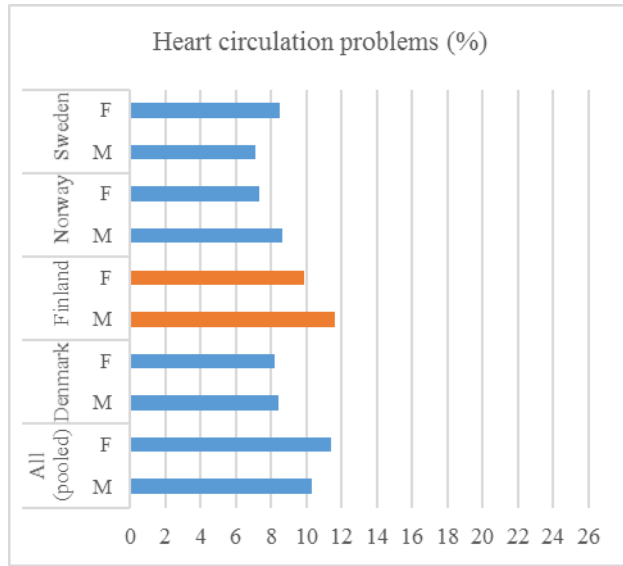
### Cancer



■ Analysis at NUTS 1 level

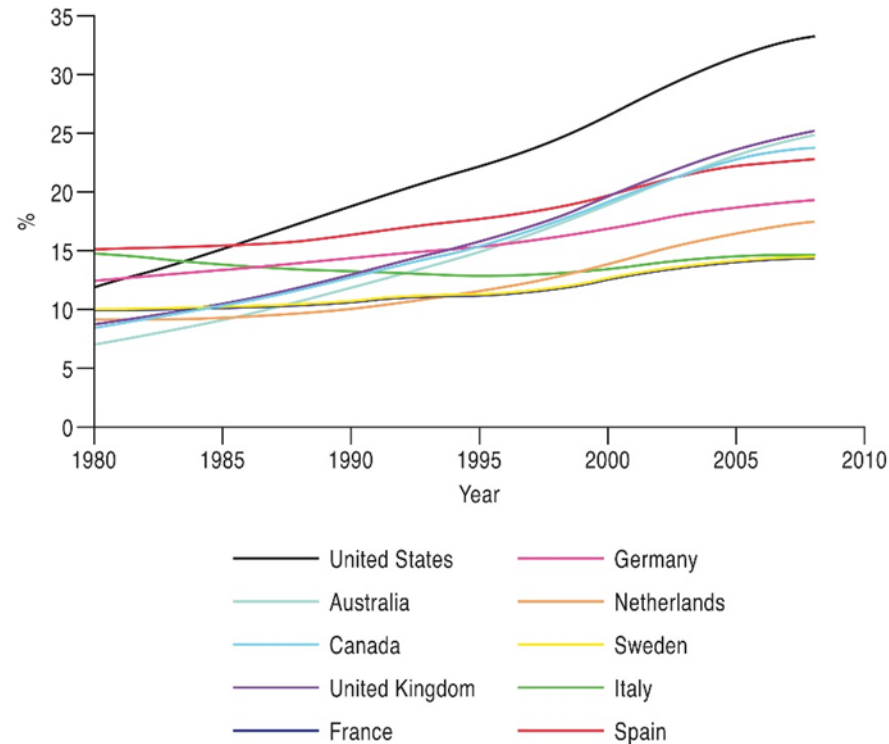
■ Analysis at NUTS 2 level

# European Social Survey – HI between Countries



# Case study: US Health Disadvantage

| Rank    | Infant Mortality Rates |            |
|---------|------------------------|------------|
| 1       | Iceland                | 2.2        |
| 2       | Japan                  | 2.3        |
| 3       | Finland                | 2.3        |
| 4       | Sweden                 | 2.5        |
| 5       | Norway                 | 2.8        |
| 6       | Italy                  | 3.4        |
| 7       | Germany                | 3.4        |
| 8       | Denmark                | 3.4        |
| 9       | Belgium                | 3.5        |
| 10      | France                 | 3.6        |
| 11      | Switzerland            | 3.8        |
| 12      | Netherlands            | 3.8        |
| 13      | Ireland                | 3.8        |
| 14      | Austria                | 3.9        |
| 15      | Australia              | 4.1        |
| 16      | <b>UK</b>              | <b>4.2</b> |
| 17      | <b>Canada</b>          | <b>5.1</b> |
| 18      | New Zealand            | 5.2        |
| 19      | <b>USA</b>             | <b>6.1</b> |
| Average |                        | 3.7        |



|             | Mortality                       |                        |                           |   |                                  |
|-------------|---------------------------------|------------------------|---------------------------|---|----------------------------------|
|             | All-cause mortality per 100,000 | CVD deaths per 100,000 | Cancer deaths per 100,000 | Deaths and injuries from violence per 100,000 | Deaths from diabetes per 100,000 |
| USA         | 505                             | 156                    | 124                       | 53  | 15                               |
| Australia   | 378                             | 117                    | 119                       | 30  | 10                               |
| Canada      | 401                             | 119                    | 126                       | 32  | 13                               |
| France      | 398                             | 138                    | 138                       | 38  | 8                                |
| Germany     | 440                             | 128                    | 128                       | 25  | 11                               |
| Italy       | 383                             | 124                    | 124                       | 25  | 12                               |
| Netherlands | 427                             | 147                    | 147                       | 22  | 10                               |
| Spain       | 398                             | 122                    | 122                       | 23  | 9                                |
| Sweden      | 410                             | 116                    | 116                       | 32  | 9                                |
| UK          | 462                             | 137                    | 137                       | 26  | 5                                |

# Policies & Institutions: Rules of the Game





# Stingy States of America



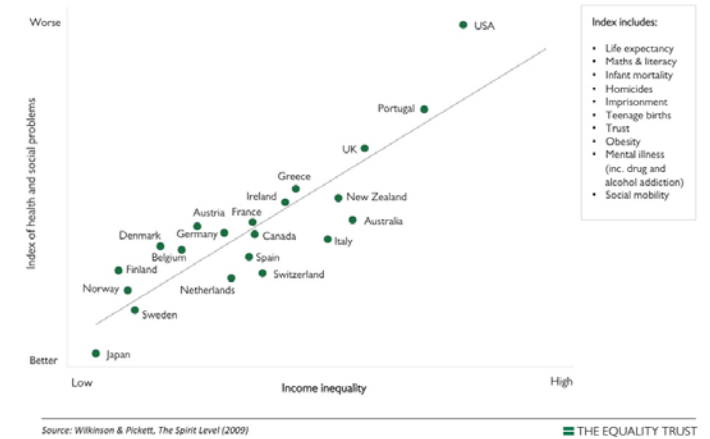
Health care system



Public health regulation

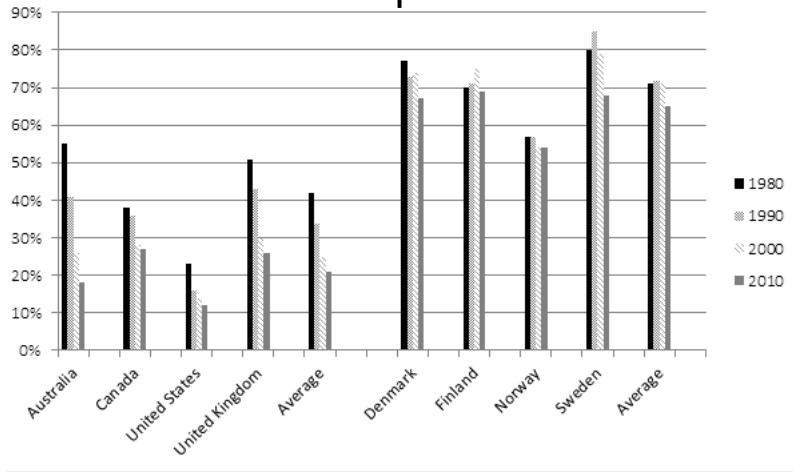


Health and social problems are worse in more unequal countries

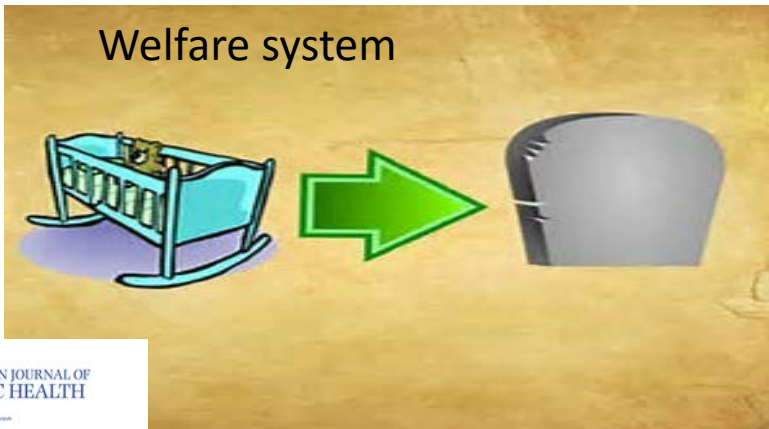


Income Inequality

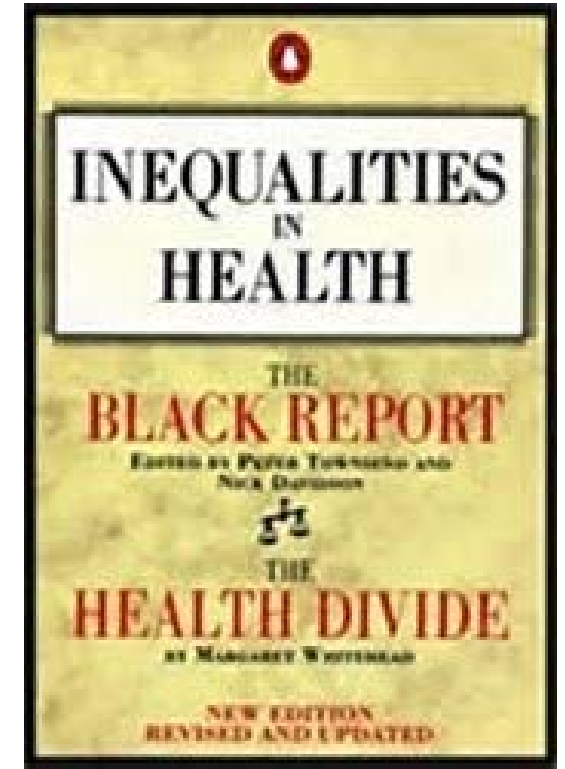
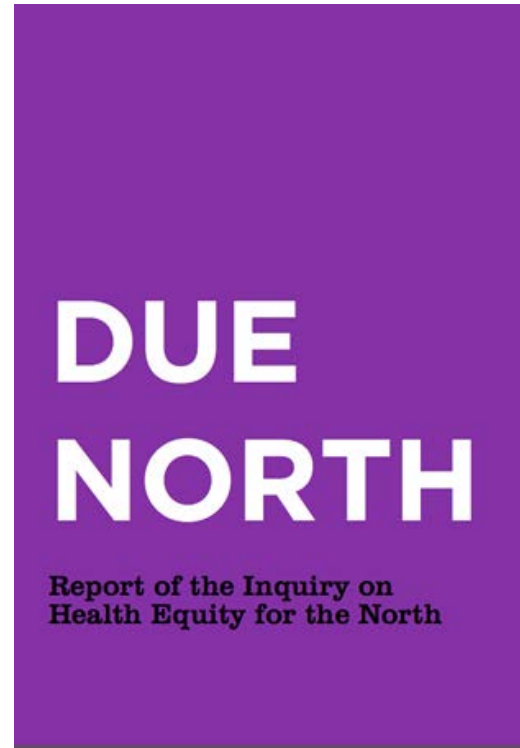
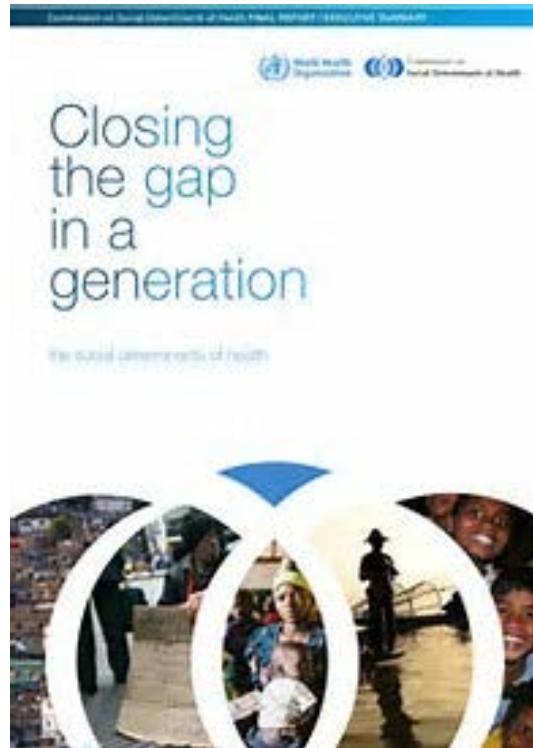
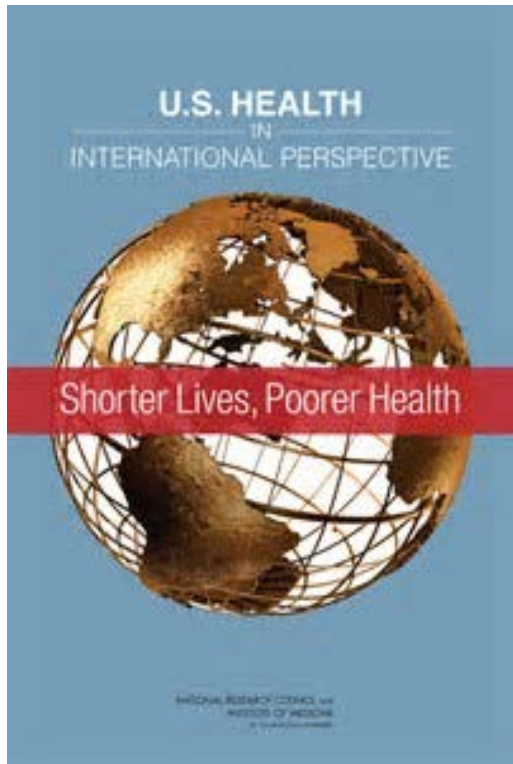
Political Incorporation



Welfare system



# HiNEWS Next Steps - Healthy Public Policies



# References



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Shorter lives in stingier states: Social policy shortcomings help explain the US mortality disadvantage



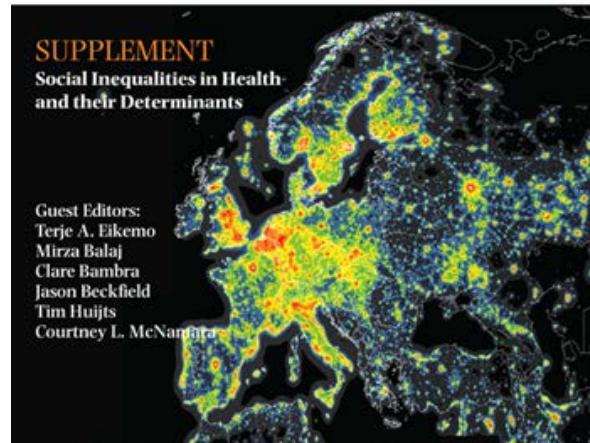
Jason Beckfield <sup>a,\*</sup>, Clare Bamba <sup>b</sup>

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PROTOCOL

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The effects of public health policies on population health and health inequalities in European welfare states: protocol for an umbrella review

Katie Thomson<sup>1\*</sup>, Clare Bamba<sup>1</sup>, Courtney McNamara<sup>2</sup>, Tim Huijts<sup>3</sup> and Adam Todd<sup>1,4</sup>

