

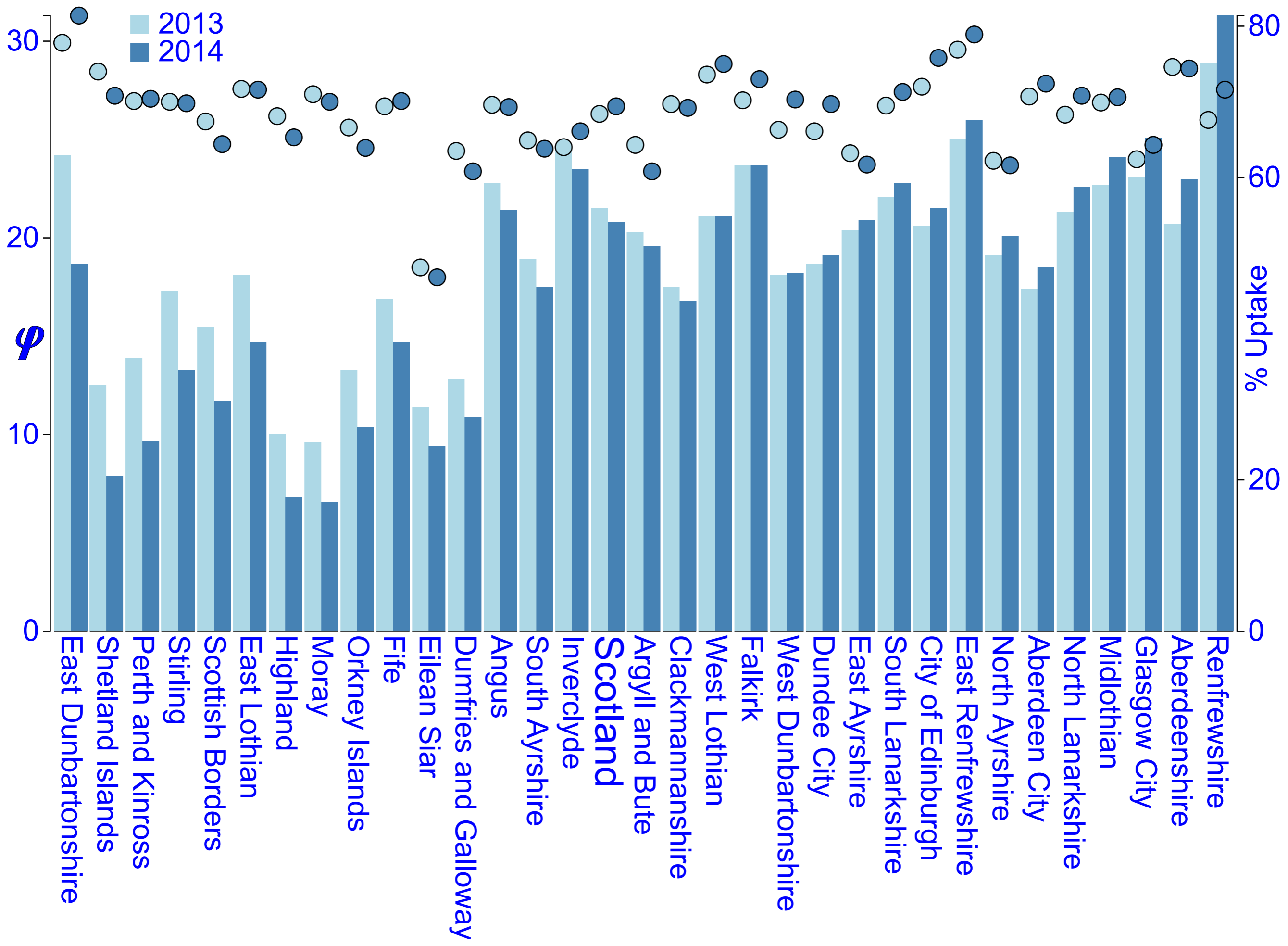
Progress?

Measuring Changes in the Digital Divide

Cross-Party Group 2017

Michael Fourman

<http://idea.ed.ac.uk/digiscot/>



Is the digital divide increasing existing inequalities?

year	breadth	depth	uptake
2013	18%	20%	67%
2014	17%	21%	70%
2015	16%	22%	76%
2016	15%	19%	74%

Yes - but
it's
getting
better

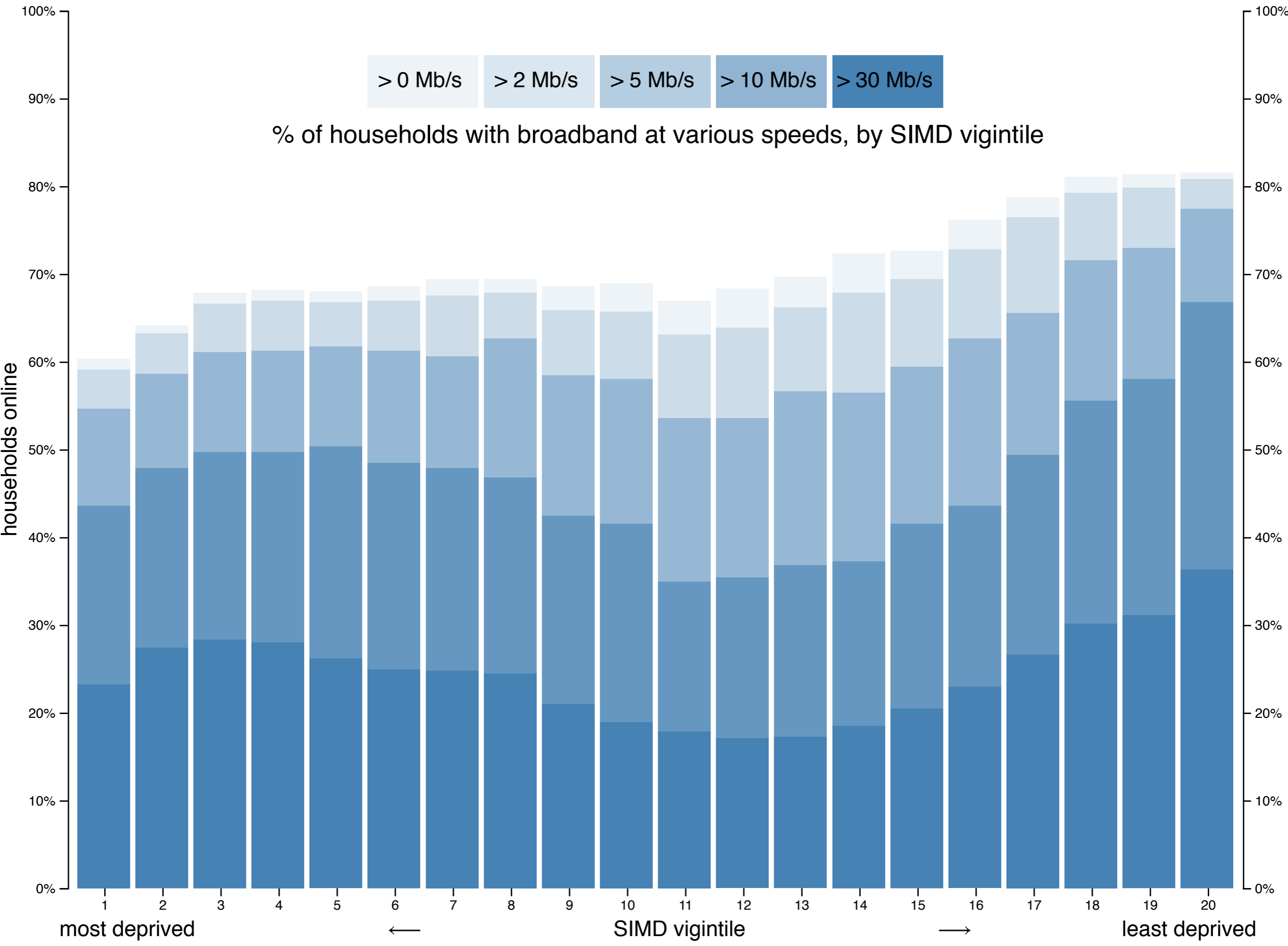
higher speeds appear more evenly distributed

2016	breadth depth uptake		
> 0 superslow	15%	19%	74%
> 2 slow	14%	17%	72%
> 5 usable	11%	12%	65%
> 10 acceptable	6%	6%	51%
> 30 fast	2%	3%	27%

But only half of Scotland's households enjoy acceptable broadband

> 0 Mb/s > 2 Mb/s > 5 Mb/s > 10 Mb/s > 30 Mb/s

% of households with broadband at various speeds, by SIMD vigintile



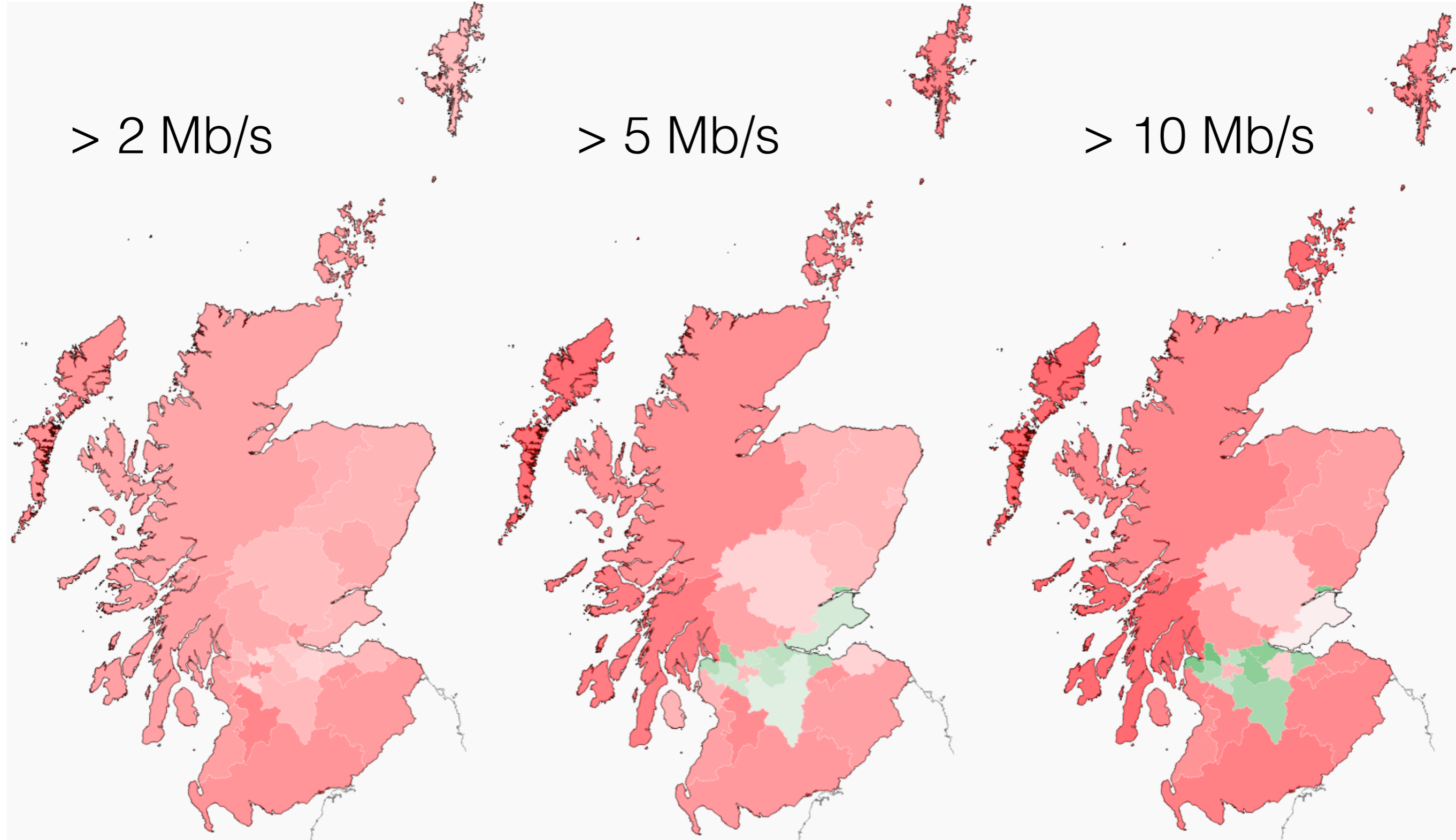
cui bono ?

In which LA areas does Digital inclusion serve to **reduce** existing deprivation?

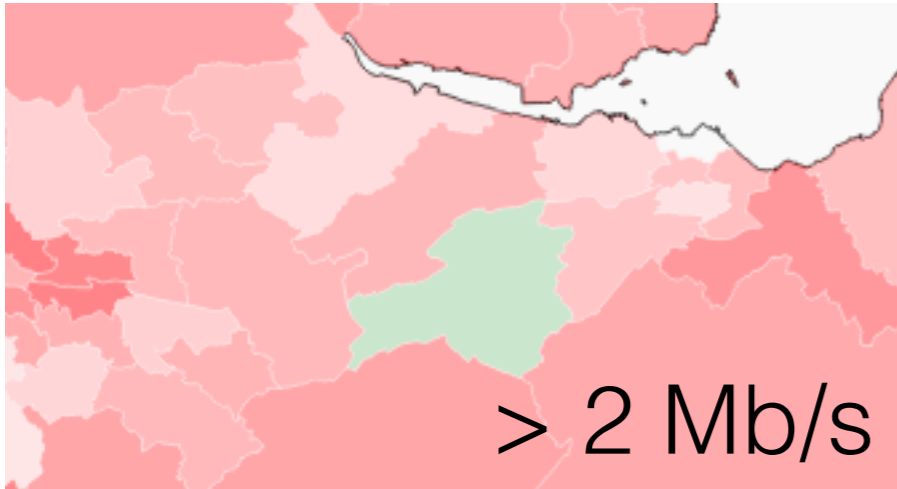
> 2 Mb/s

> 5 Mb/s

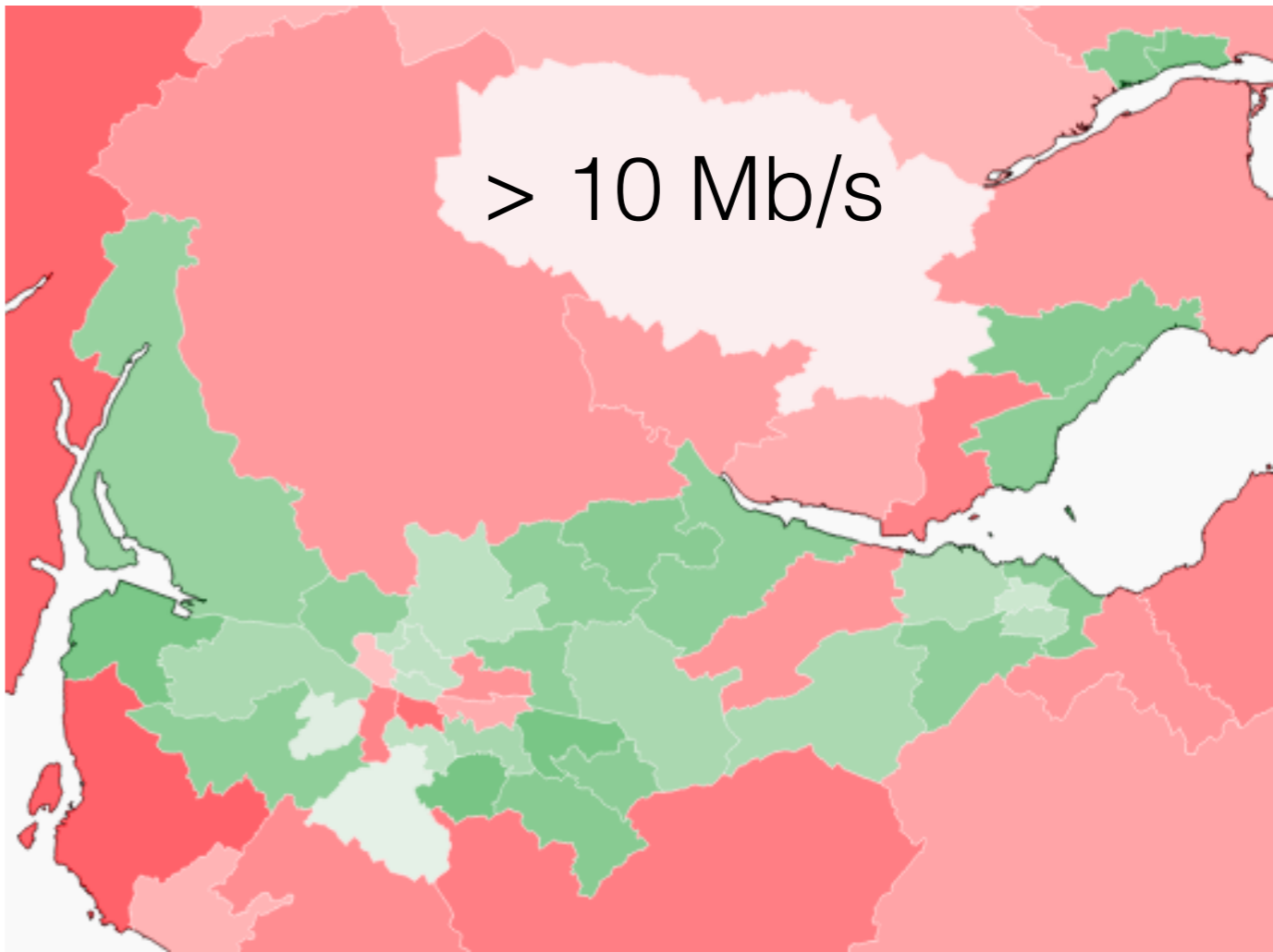
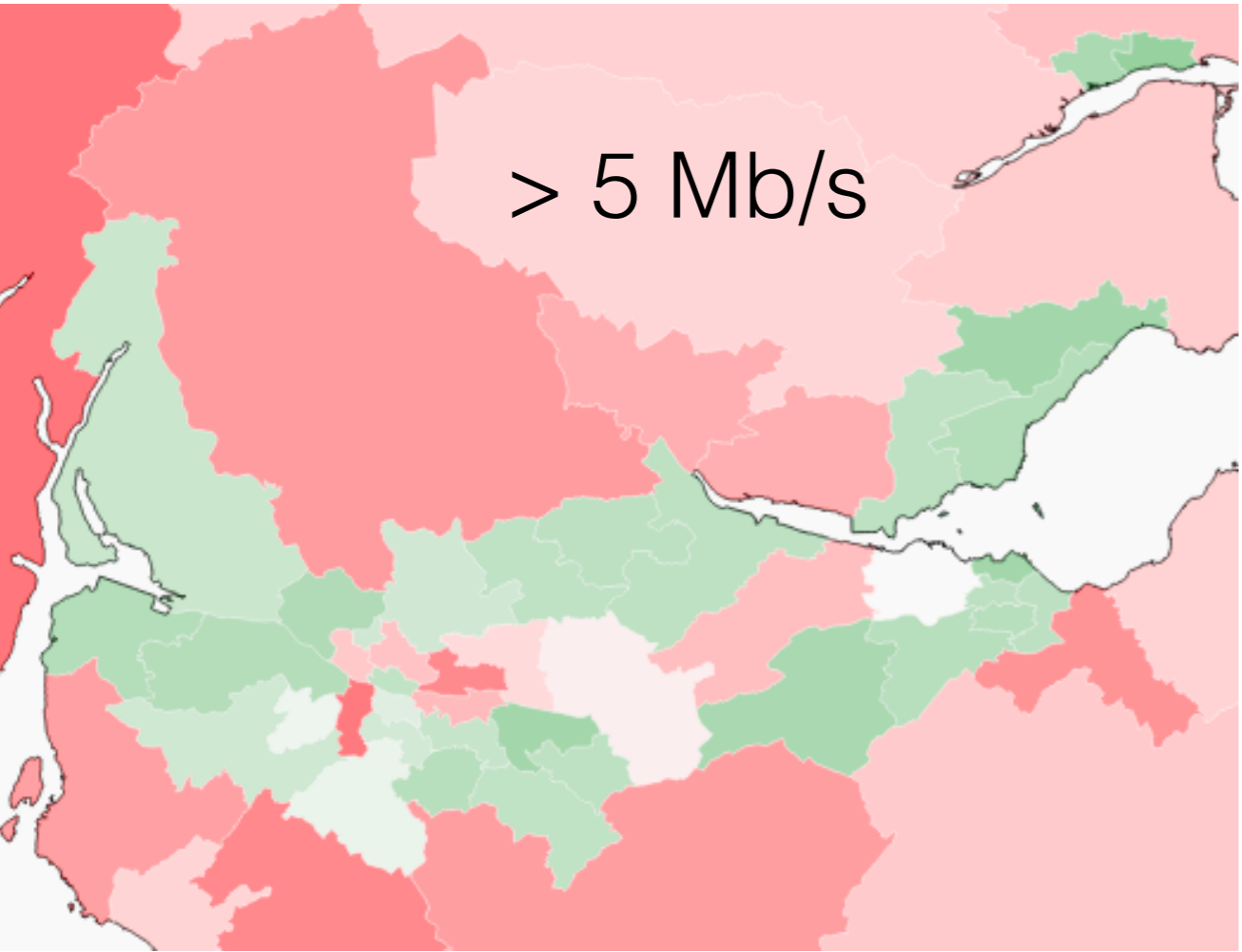
> 10 Mb/s



cui bono ?

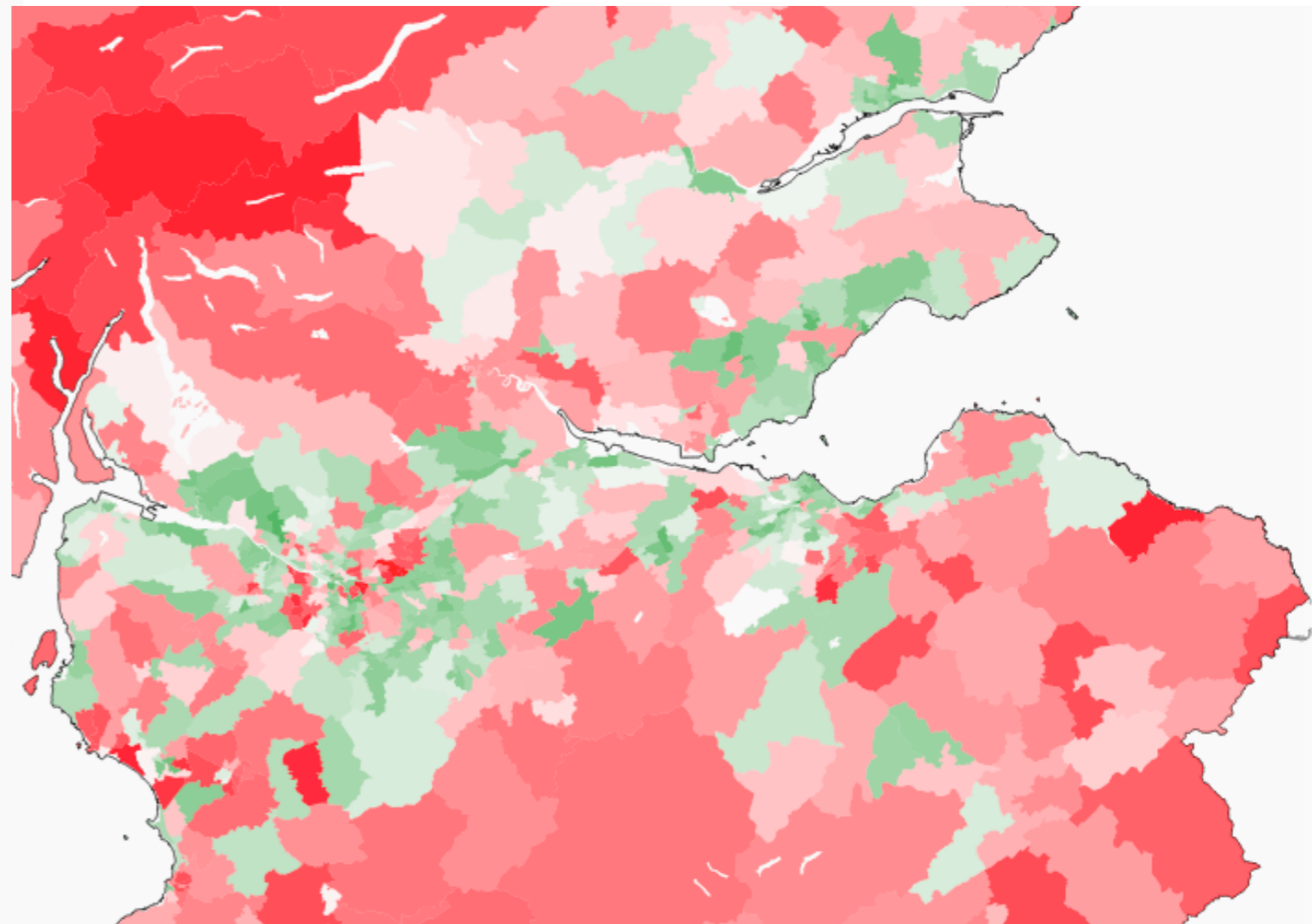
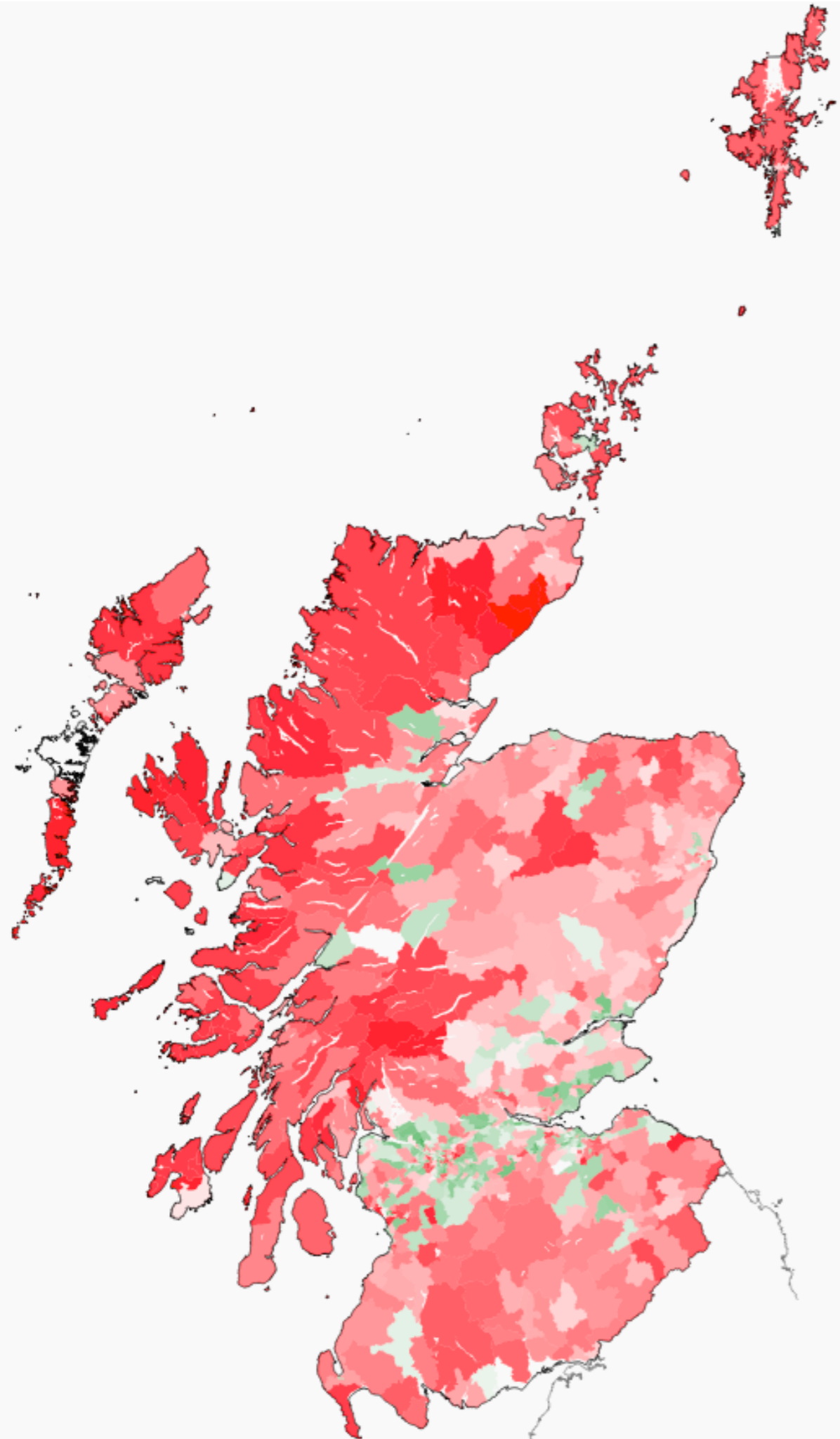


In which Scottish Parliamentary Constituencies does Digital inclusion serve to **reduce** existing deprivation?



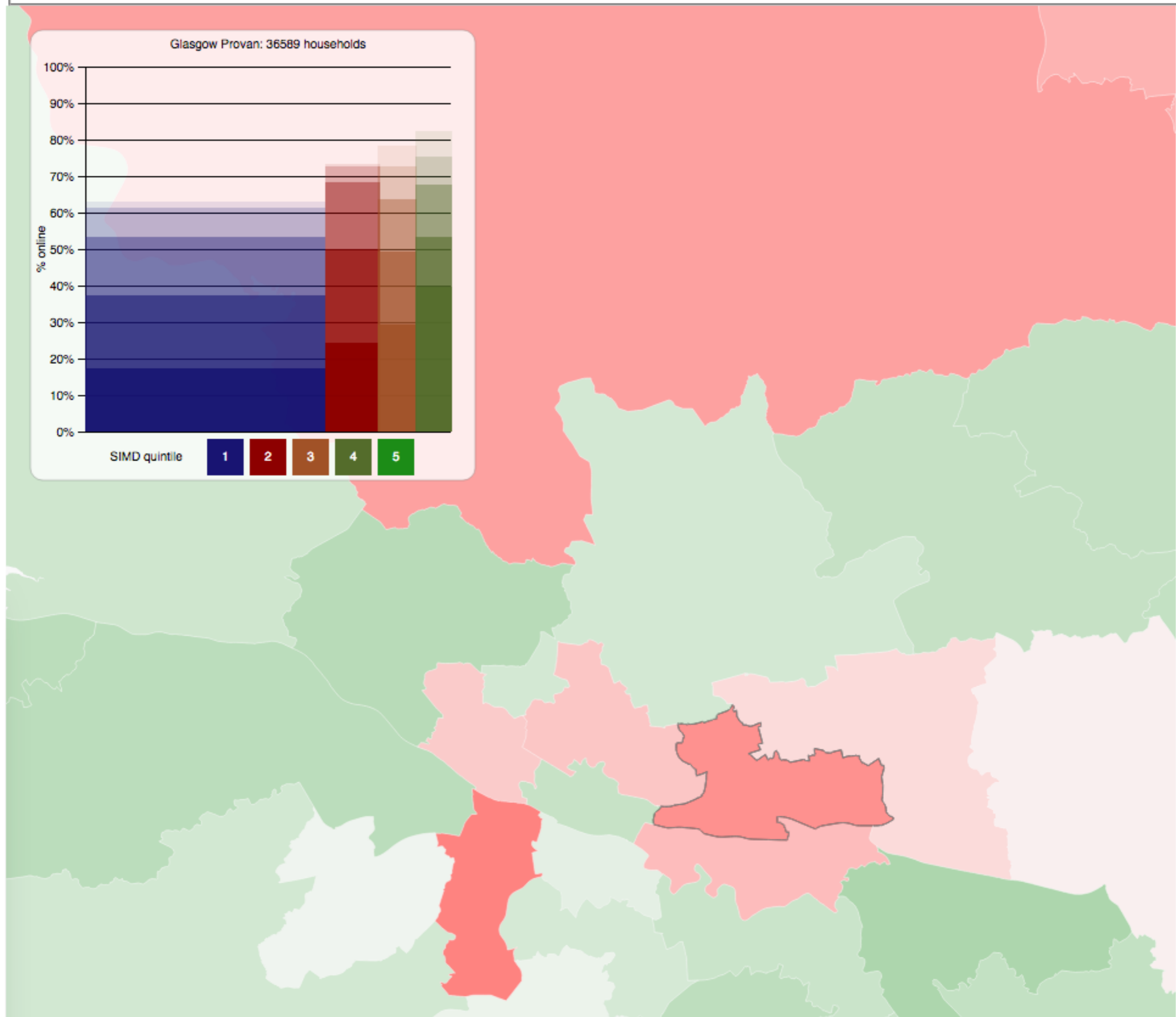
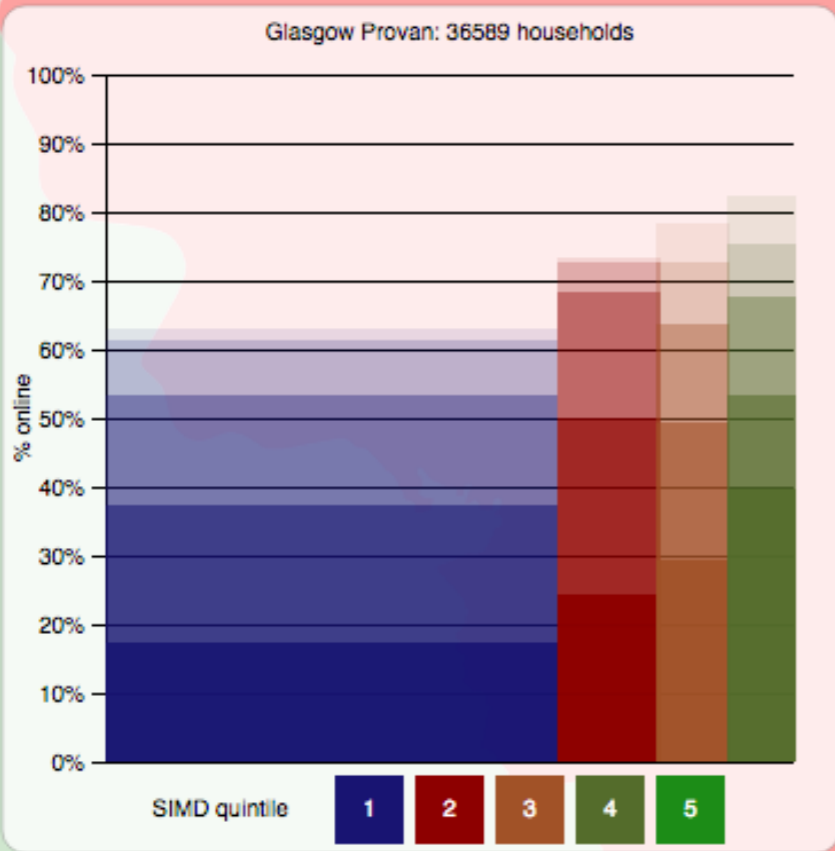
In which
Postcode Sectors does Digital
inclusion serve to
reduce existing deprivation?

> 10 Mb/s



Connection speed (Mb/s)

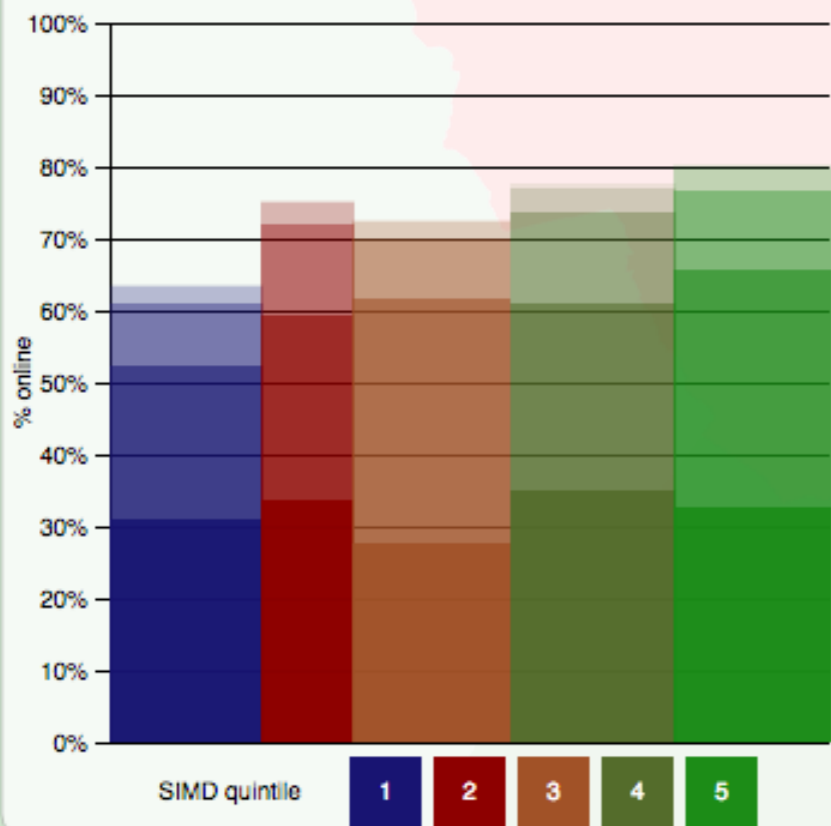
- online
- > 2 Mb/s
- > 5 Mb/s
- > 10 Mb/s
- > 30 Mb/s
- > 300 Mb/s



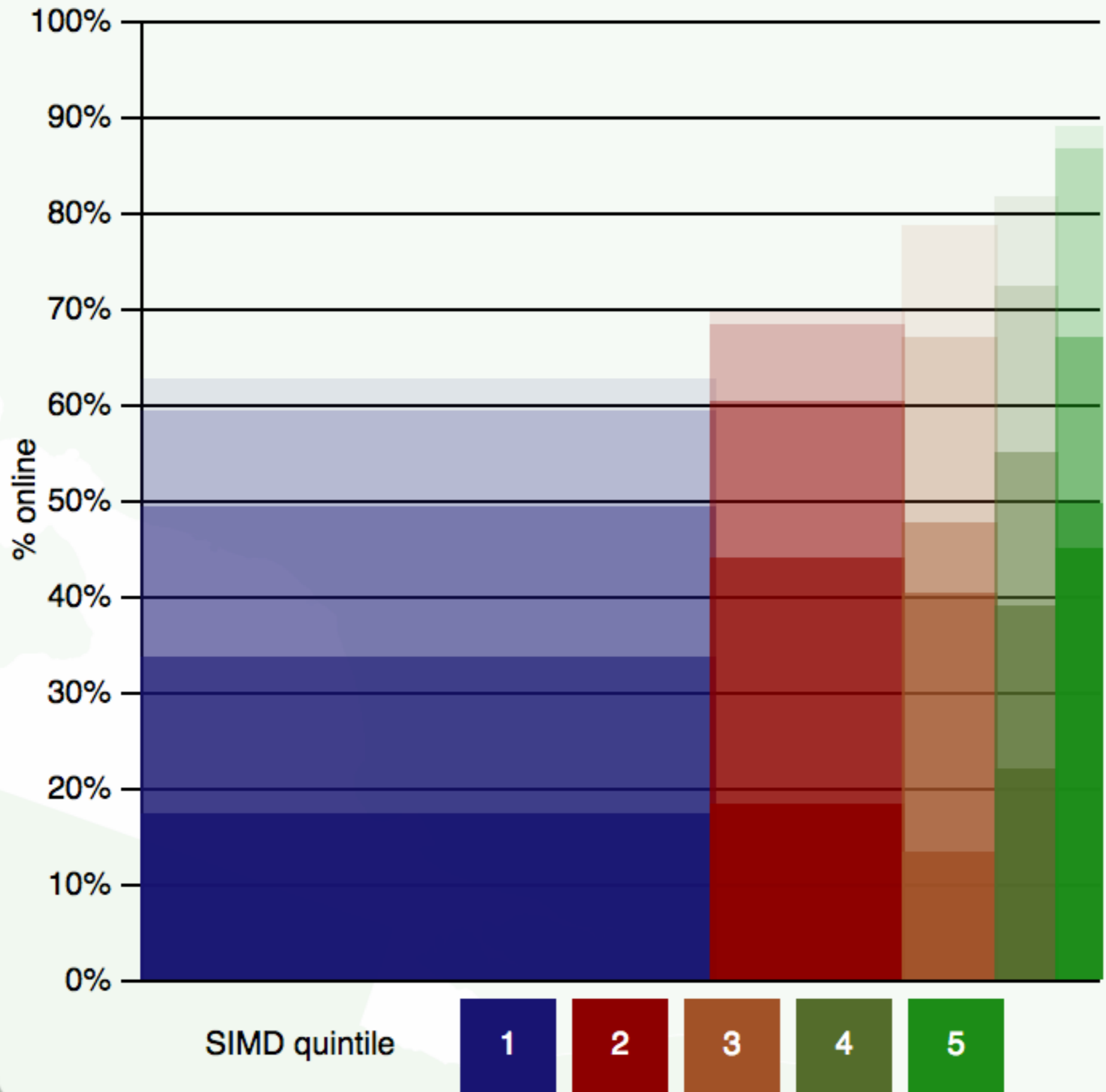
Connection speed (Mb/s)

- online
- > 2 Mb/s
- > 5 Mb/s
- > 10 Mb/s
- > 30 Mb/s
- > 300 Mb/s

Glasgow Kelvin: 43598 households



Glasgow Pollok: 36626 households



Summary

- Although broadband uptake is increasing, the benefits of acceptable and faster speeds are exacerbating the geographic divide between some in the Central Belt and those in the rest of Scotland.
- The Central Belt includes many of those for whom digital exclusion exacerbates existing deprivation.

How does deprivation relate to uptake?

	0	2	5	10	30
income	22	20	18	28	29
employment	31	27	13	10	29
education	-15	-11	-	11	-18
health	-	-7	-	-19	-47
access	9	20	46	70	22
crime	11	10	7	-3	17
housing	17	16	8	7	12

Local differences

even once we account for all of these factors
there are significant local differences
between local authorities
between parliamentary constituencies
between postcodes