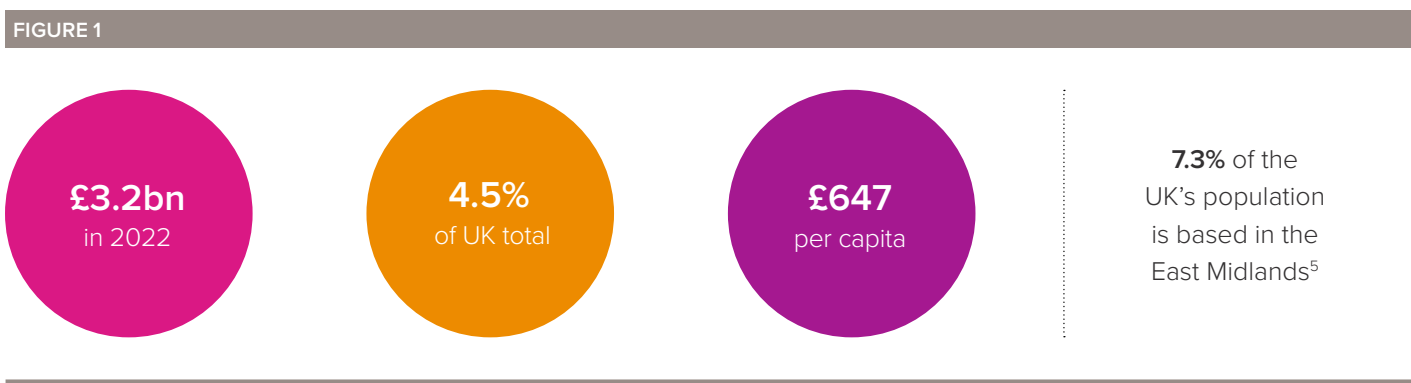


## Research and Innovation in the East Midlands

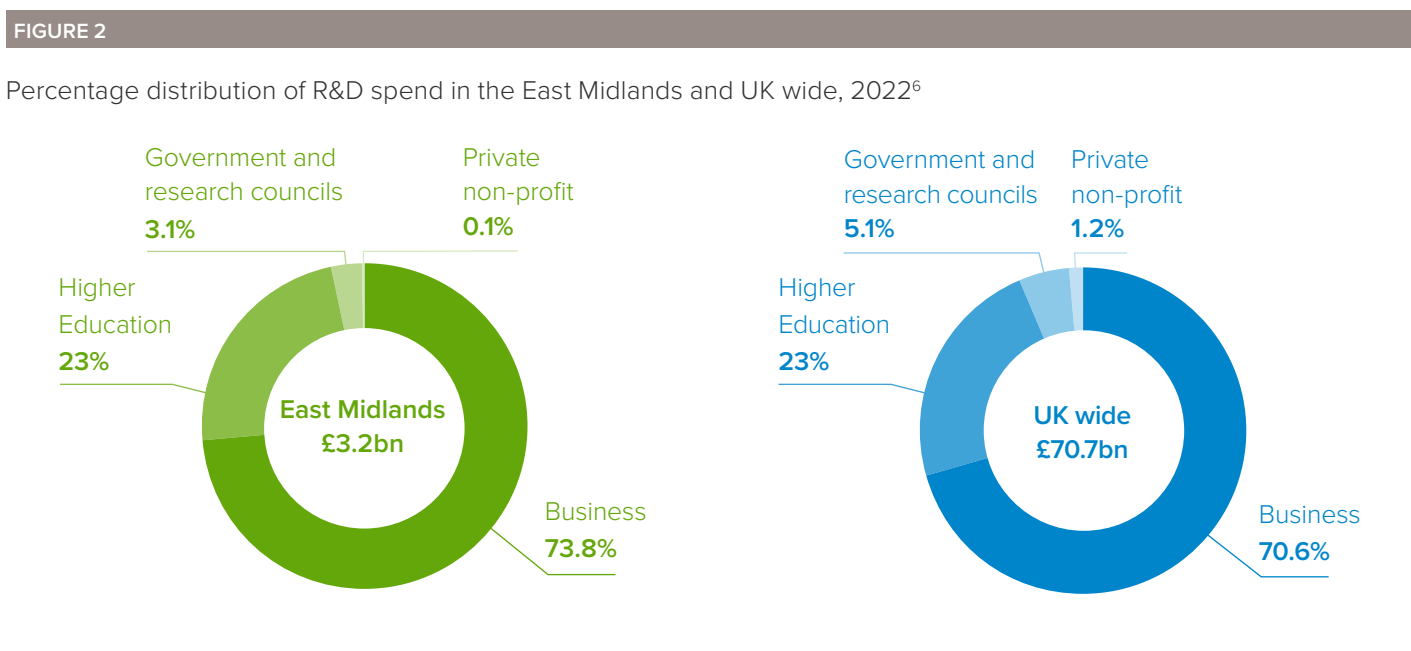
The UK government has recognised the critical role that research and innovation plays in driving long-term economic growth and delivering against the five national missions<sup>1</sup>. Alongside this, there is a continued ambition to reduce regional inequality and support growth in cities and regions across the UK<sup>2,3</sup>.

What do these ambitions to increase investment in UK research and innovation mean for the East Midlands? This document provides an insight into the current research and innovation landscape in the East Midlands to inform discussions over how people across the region can contribute to and share the benefits of R&D investment in the UK.

### How much is spent on R&D activity in the East Midlands<sup>4</sup>?

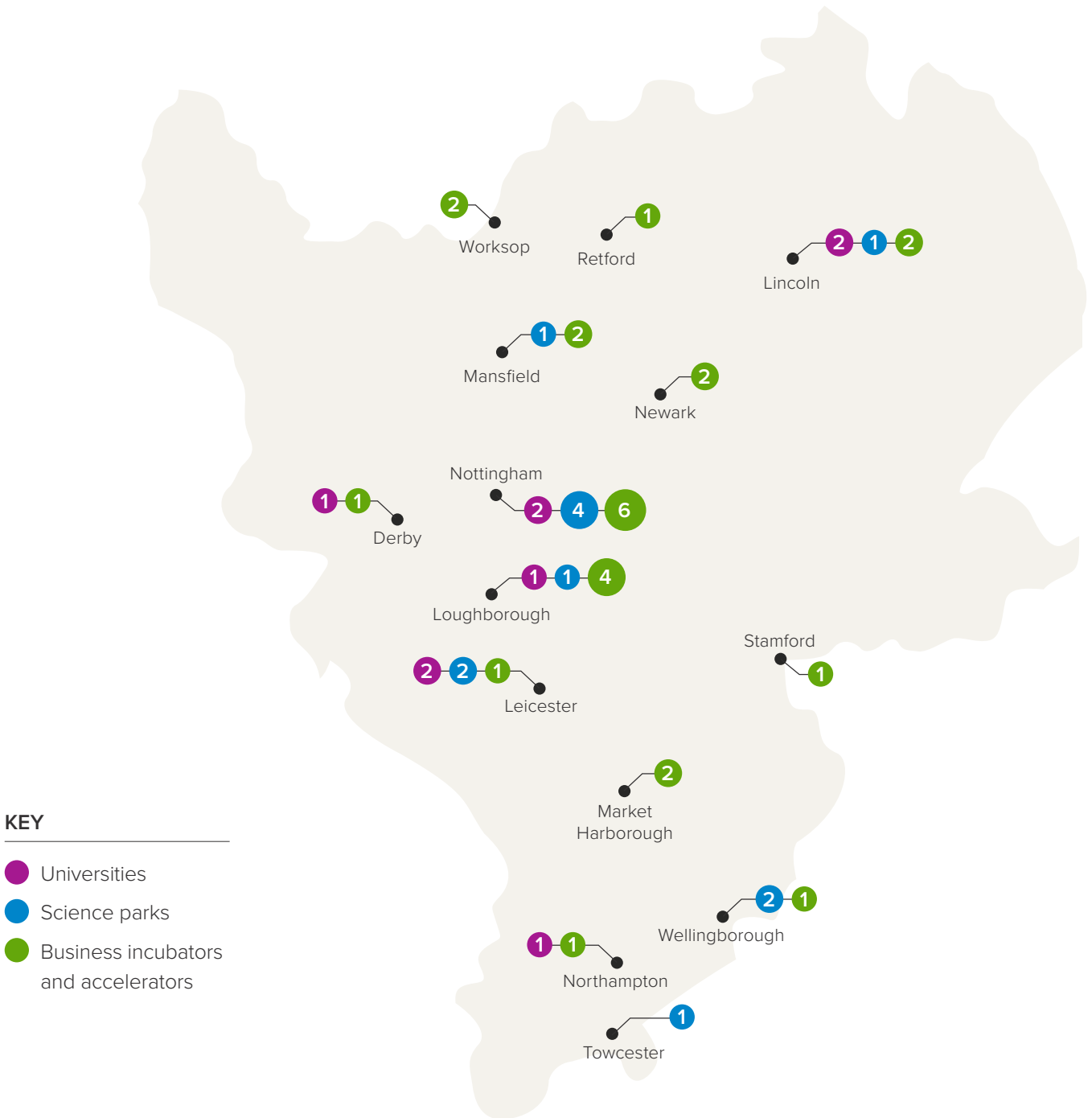


### Who performs R&D in the East Midlands?



## Where is R&D concentrated in the East Midlands?

FIGURE 3



### KEY

- Universities
- Science parks
- Business incubators and accelerators

23,225 professional, scientific, and technical workplaces<sup>7</sup>

9 universities<sup>8</sup>

12 science parks<sup>9</sup>

26 business incubators and accelerators<sup>10</sup>

Note: The R&D sites listed may not be exhaustive. The list of universities was compiled from HESA data. Higher education institutions without university title have been omitted.

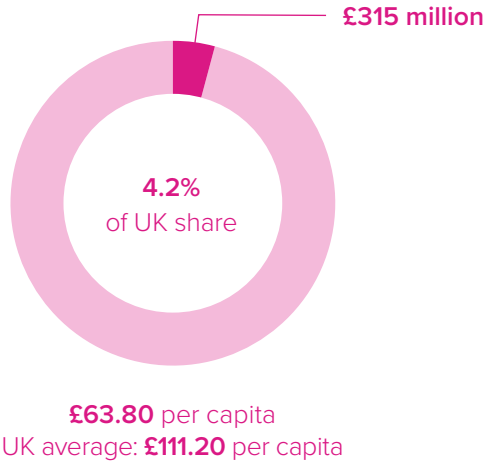
## How is R&D in the East Midlands funded and supported?

R&D is funded and supported in many different ways. This includes direct investment from public, private, charitable and overseas sources, as well as indirect measures that encourage further private investment such as R&D tax credits.

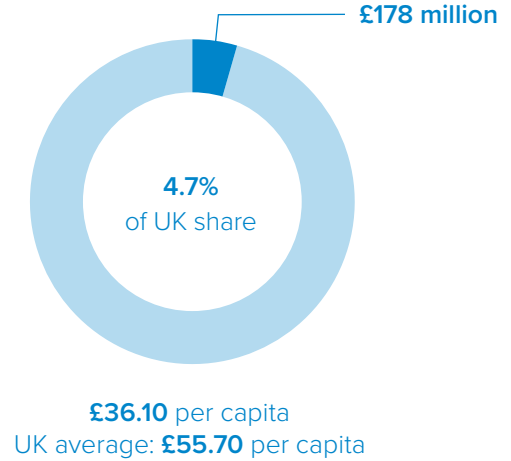
FIGURE 4

Examples of R&D funders in the East Midlands

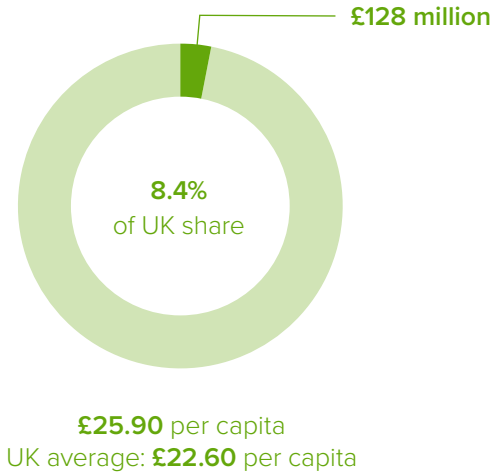
### R&D tax credits<sup>11</sup> 2022 – 2023



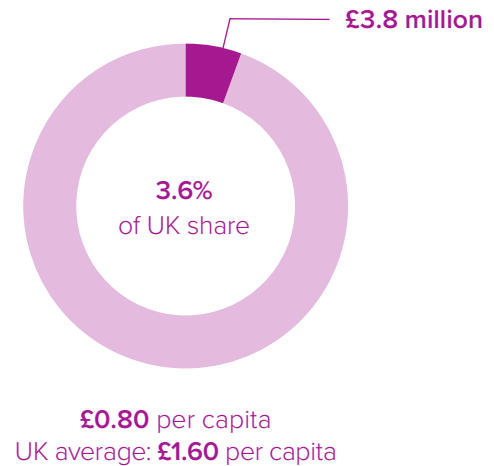
### Research councils<sup>12</sup> 2020 – 2021



### Innovate UK<sup>13</sup> 2020 – 2021



### The Royal Society<sup>14\*</sup> 2023 – 2024

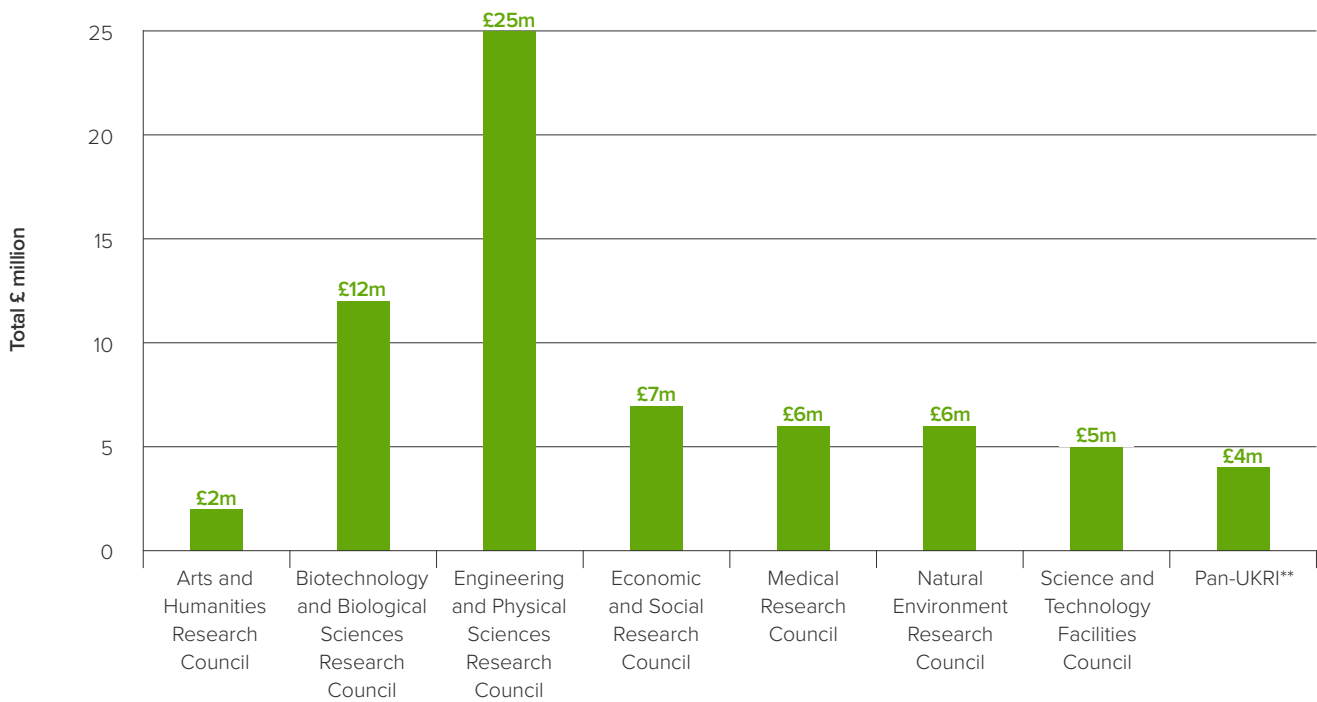


\* These figures are indicative estimates of the Royal Society's regional grants expenditure in 2023/24, based on payments made through the Society's grant management system. They have not been audited. The region is based on the postcode of the head office of the payee, not necessarily where R&D is performed.

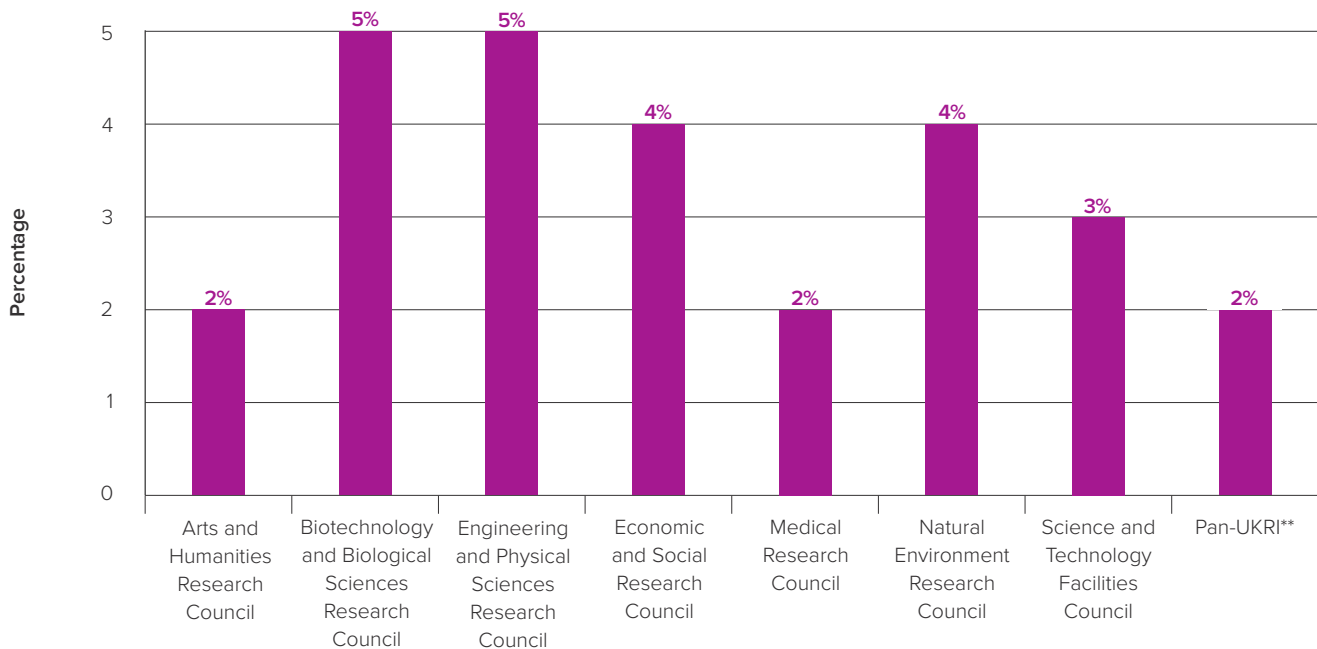
Note: Per capita figures calculated using ONS mid-2022 populations.

FIGURE 5

Total value of grants awarded to the East Midlands from each research council in 2022 – 2023<sup>15</sup>



Percentage of funding awarded to the East Midlands from each research council in 2022 – 2023<sup>16</sup>



\*\* Pan-UKRI includes COVID-19 related research funding, Fund for International Collaboration (FIC), Future Leaders Fellowships (FLF), Global Challenges Research Fund (GCRF), Industrial Strategy Challenge Fund (ISCF), Newton Fund, Strategic Priorities Fund (SPF) and Strength in Places Fund (SIPF).

Note: The data included in Figure 5 excludes non-competitive grants, such as funding for UKRI institutes.

## There is no R&D without people

A thriving R&D environment in the East Midlands requires a talented workforce to perform research as well as young people in the pipeline who are equipped with the skills they will need in the future economy.

FIGURE 6

What proportion of A level students in the East Midlands take A levels in science subjects, 2022 – 2023<sup>17</sup>?

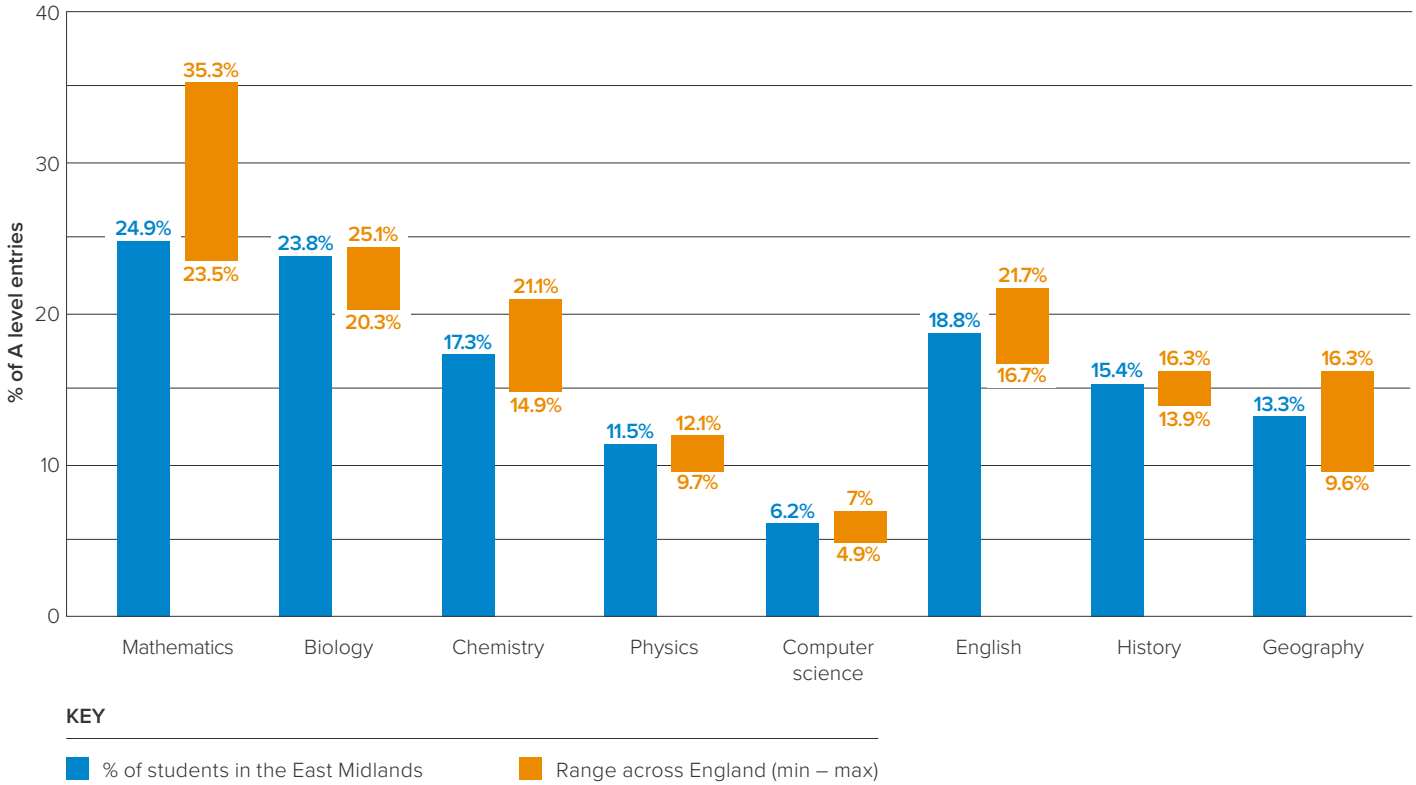
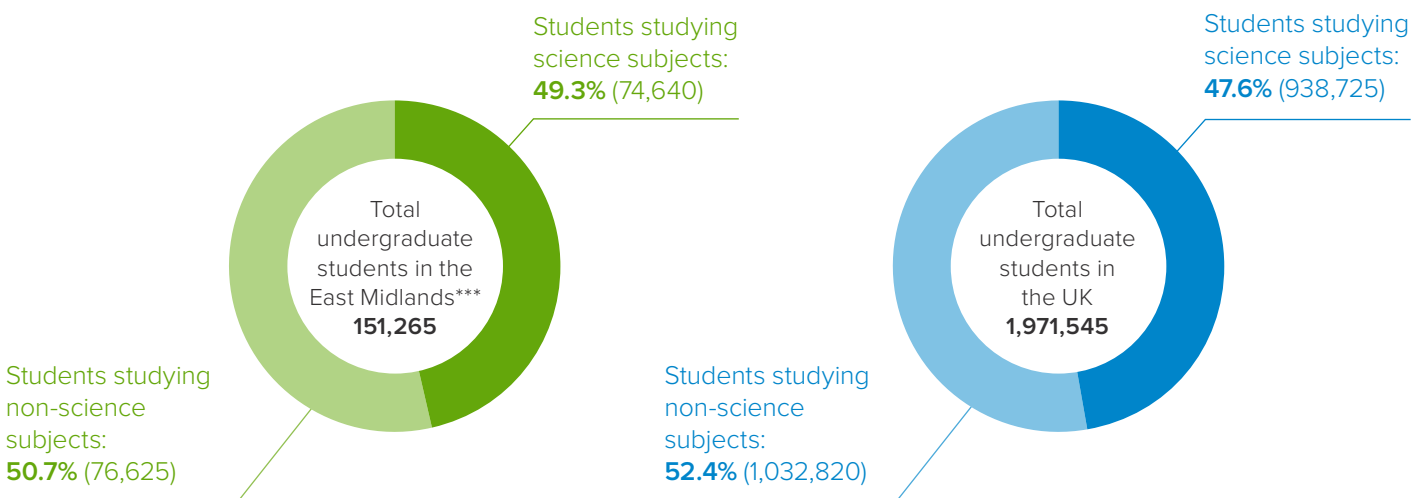


FIGURE 7

What are undergraduates studying at universities in the East Midlands, 2020 – 2021<sup>18</sup>?

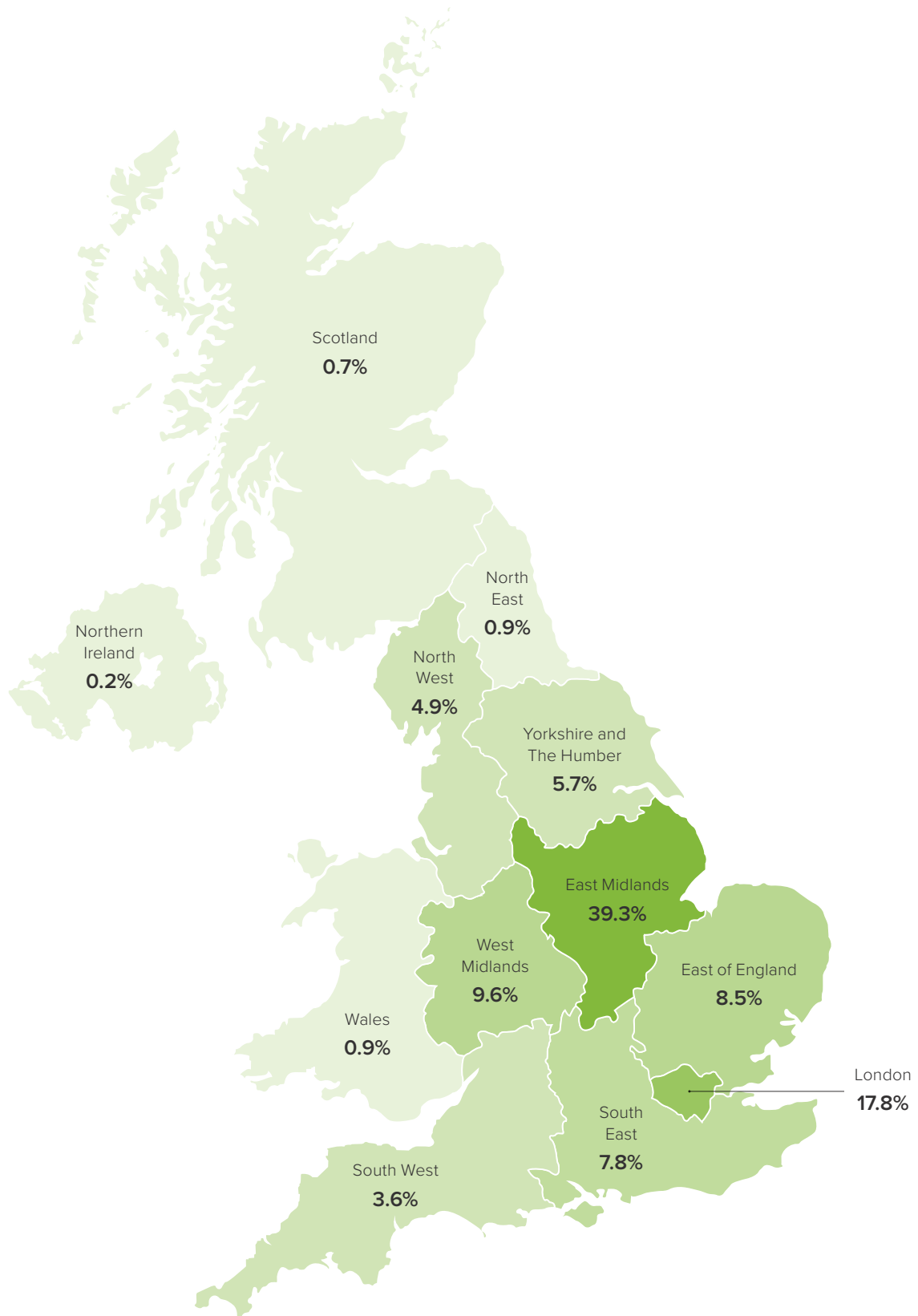


\*\*\* The total for the East Midlands does not include students studying at the Open University who are based in the East Midlands.

Note: The HESA science grouping includes subjects like medicine, nursing, and agriculture which may not be included in other definitions of STEM (science, technology, engineering, and maths). Includes CAH Level 1 01-11, 13 and 26.

FIGURE 8

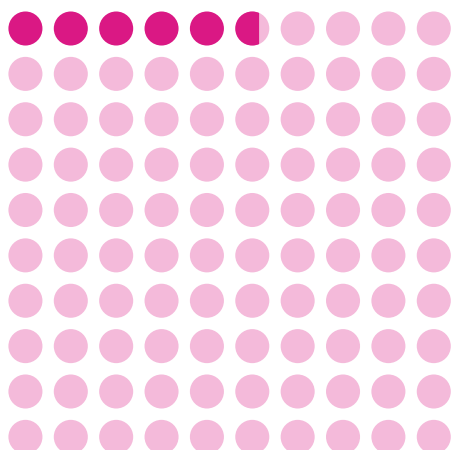
Proportion of East Midlands graduates working in the different regions and nations of the UK, 2020 – 2021<sup>19</sup>.



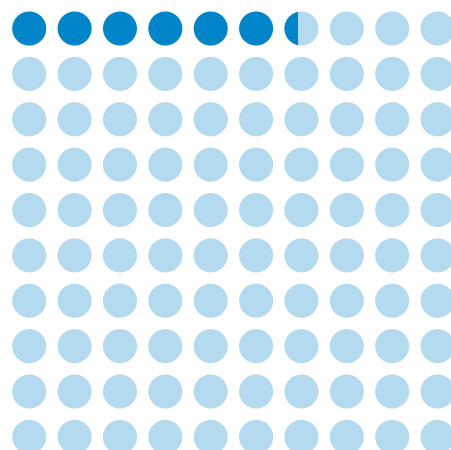
Note: Sample only includes surveyed graduates who remained in the UK for work after graduation. Proportion may not add up to 100% due to rounding.

FIGURE 9

How many people are employed in R&D in the East Midlands?



Companies in the East Midlands had **37,000** staff employed in R&D in 2022, **5.7%** of the UK total<sup>20</sup>.



The East Midlands had **15,000** research staff employed in its universities in 2022/23, **6.4%** of the UK total<sup>21</sup>.

Note: University research staff refers to academic staff with roles in both teaching and research or in research only. Both full-time and part-time research staff are included in the figure. All figures are rounded to the nearest 1,000.

## Find out more

### Investing in UK R&D

Explore research and innovation in other areas of the UK and read the Royal Society's briefings on R&D investment in the UK produced together with the other UK National Academies. Find out more at [royalsociety.org/uk-research-and-innovation](https://royalsociety.org/uk-research-and-innovation)

### Industry programme

The Royal Society's Science and Industry programme connects industry with the Society and promotes the value of science to the economy by bringing together industry, academia, and government. Find out more at [royalsociety.org/industry](https://royalsociety.org/industry)

### Promoting excellence in science

The Royal Society promotes excellence in science and supports international collaborations by funding research in the life and physical sciences, including engineering, in the UK and internationally. Find out more about the Royal Society's grants programmes at [royalsociety.org/grants](https://royalsociety.org/grants)

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Issued: January 2025 DES9105