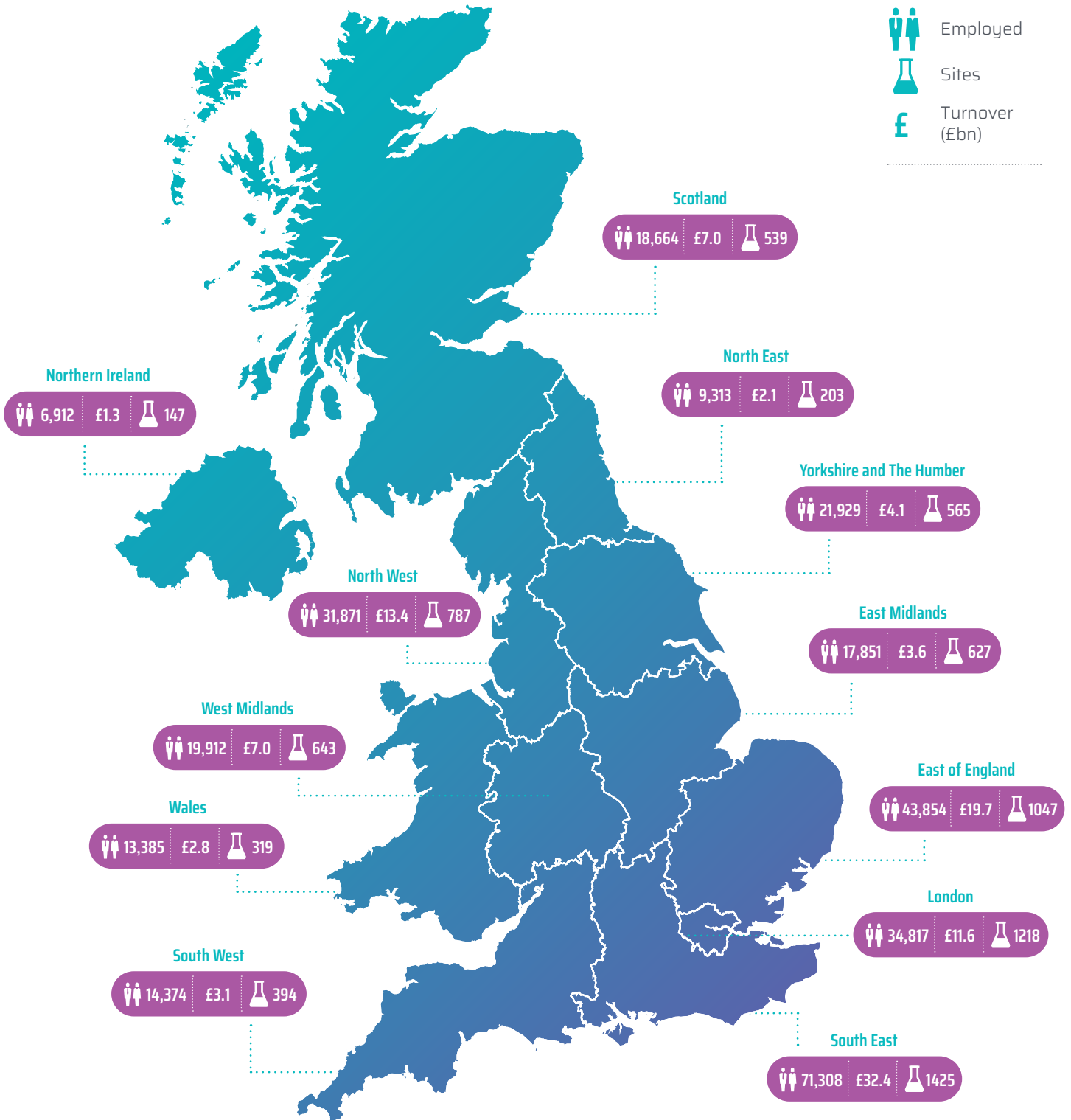


UK Life Sciences

UK Life Sciences sector employs **304,190** individuals across **7,914** sites, generating **£108.1bn** in turnover.

KEY

-  Employed
-  Sites
-  Turnover (£bn)



UK Life Sciences - at a glance

EMPLOYMENT GROWTH

Employment increased by **17%** between 2016/17 and 2021/22, including a significant **5.4%** rise in the last year alone.



The sector employs around **118,810 individuals** across **2,068 sites** directly involved in **manufacturing**, with another **107,003** working across **2,604 sites** focussing on **research & development**.



Advanced Therapy Medicinal Products (ATMPs) lead as the **fastest growing** market segment, showing an average annual employment increase of **24.4%** since 2016.

Employment by market segment: Top 10

Segment	2021/22
Small Molecules	51,243
Contract Manufacturing/ Research Organisation	26,804
Digital health	18,907
Reagent, Equipment and consumables supplier	14,319
Clinical Research Organisation	13,482
In vitro diagnostic technology	11,199
Single use technology n.e.c.	10,523
Reagent, Equipment and consumables supplier	9,543
Assistive Technology	9,468
Hospital hardware including ambulatory	9,245

Digital Health: Jobs in Digital Health surge 59% in five years, driven by advancements in mobile health technology and applications.

Digital Health Subsegment	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	% Change since 16/17
Consumer Mobile health devices	73	92	120	121	177	209	+186.3%
Consumer Mobile health services/apps	124	267	366	567	805	1,196	+864.5%
Digital Medical Electronics	365	442	486	521	552	550	+50.7%
E-health - data analytics	1,978	2,213	2,407	2,524	2,735	2,423	+22.5%
GP information systems	1,703	1,454	1,498	1,425	1,426	1,750	+2.8%
Hospital information systems	4,009	4,347	4,234	4,261	4,941	5,565	+38.8%
Personal medical records	291	243	238	344	371	497	+70.8%
Professional Mobile health devices	54	63	77	82	106	143	+164.8%
Professional Mobile health services/apps	1,147	1,321	1,505	1,773	1,863	2,361	+105.8%
Social Alarms/Communications devices/ bed-nurse call	982	1,046	1,053	1,083	1,149	1,351	+37.6%
Telemed (medical monitoring) and telediag	1,159	1,352	1,814	1,970	2,599	2,694	+132.4%
Training simulators and robotics	x	57	53	79	110	168	-
Total	11,900	12,897	13,851	14,750	16,834	18,907	+58.9%

Workforce demographics¹

Sex profile		Age profile		
Male	Female	16-29	30-49	50+
60%	40%	14%	58%	28%

Average annual pay for full-time employees (median):²



UK Average
= **£29,669**



Manufacture of
basic pharmaceutical
products = **£42,578**



Research & experimental
development on
biotechnology = **£50,640**



Approximately **6,130 graduates** from academic year 2018/19 joined the life sciences sector within 15 months of completing their course.⁴

Highest level of qualification:⁵

Degree or Equivalent	71%
Higher Education	5%
GCE A Level or Equivalent	11%
GCSE Grades A*-C or Equivalent	8%
Other Qualifications	3%
No Qualifications	1%
Don't Know	1%

Sector apprentices³

On average, the sector sees more than **1,000 apprenticeship** starts each year.



	2016/17	2017/18	2018/19	2019/20	2020/21
Number of apprenticeship starts	650	910	1,100	1,000	930
Number of companies with starts	150	160	160	170	170

Data taken from the Office for Life Sciences: Bioscience and health technology sector statistics 2021 to 2022, unless otherwise stated.

- Office for National Statistics: Labour Force Survey 4 Quarter Average, 2022
- Annual Survey of Hours and Earnings (ASHE): Earnings and hours worked, industry by four-digit SIC, 2023, provisional
- Department for Education: Apprenticeships in England by industry characteristics, Academic Year 2020/21
- HESA Graduate Outcomes Survey Results Record 2018/19
- Office for National Statistics: Labour Force Survey 4 Quarter Average, 2022

Life Sciences apprentices: Academic Year 2020/21

