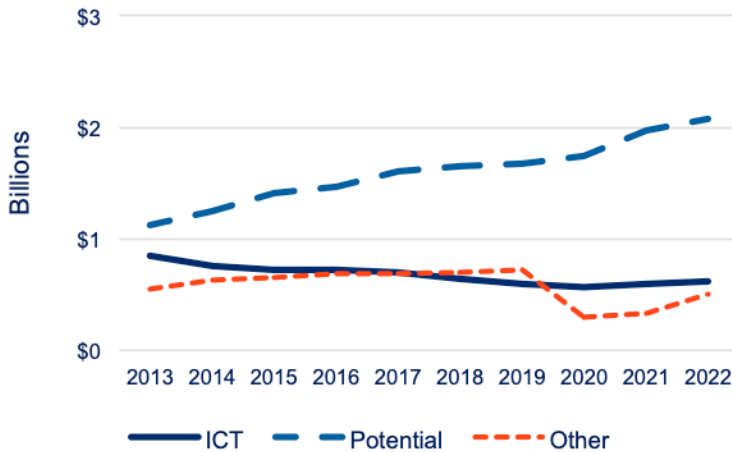




Massachusetts' 4th and Digital Trade

MA-4 Services Exports, 2013-2022



ICT services exports fell from \$853 million in 2013 to \$617 million in 2022 (-28%), but still supported 1,125 direct and 955 indirect jobs in 2022.

Potentially ICT-enabled services exports grew from \$1.1 billion to \$2.1 billion (86%), supporting 5,907 direct and 4,340 indirect jobs in 2022.

Exports of other services grew from \$547 million in 2013 to \$718 million in 2019 (31%), before falling sharply due to Covid-19. They have not yet fully recovered.

Massachusetts' 4th district's digitally tradeable services exports supported 7,033 direct and 5,295 indirect American jobs in 2022.

Top Markets for Digitally Tradeable Services from MA-4, 2022 (\$M)

Country	ICT	Potential	Total
Europe	\$289	\$1,105	\$1,394
Asia & Pacific (ex. China)	\$187	\$383	\$570
Central & South America	\$43	\$297	\$340
North America	\$53	\$174	\$228
China	\$36	\$59	\$94
Middle East & Africa	\$8.5	\$60	\$68

Europe was Massachusetts' 4th district's top market for digitally tradeable services, followed by Asia & Pacific (ex. China).

Massachusetts' 4th district's exports of ICT services to India grew from \$11 million in 2013 to \$28 million (+142%) in 2022.

The "Digital Dozen" accounted for \$909 million out of Massachusetts' 4th district's \$2.7 billion in exports of digitally tradeable services in 2022.

Top Digitally Tradeable Services Exports from MA-4, 2022 (\$M)

Type (ICT in bold)	Total
Business Management and Consulting Services	\$491
Royalties from Computer Software	\$442
Research and Development and Testing Services	\$420
Financial Management and Advisory Services	\$265
Royalties from Industrial Processes	\$261
Other	\$818

Royalties from computer software are the top ICT services export, but fell from \$740 million in 2013 to \$442 million in 2022 (-40%).

Business management and consulting services are Massachusetts' 4th district's top potentially ICT-enabled services export, growing from \$184 million in 2013 to \$491 million in 2022 (168%).