

## 'High-technology' and 'knowledge based services' aggregations based on NACE Rev. 2

### Aggregations of manufacturing based on NACE Rev. 2

Eurostat uses the following aggregation of the manufacturing industry according to technological intensity and based on NACE Rev. 2 at 3-digit level for compiling aggregates related to high-technology, medium high-technology, medium low-technology and low-technology. Please note that in a few cases (R&D, Employment in high-tech and HRST), due to restrictions of the data sources used, the aggregations are only made on a NACE 2-digit level. Therefore a separate list is used for data where only NACE 2-digit level is available.

Manufacturing industries	NACE Rev. 2 codes – 3-digit level
<i>High-technology</i>	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations 26 Manufacture of computer, electronic and optical products 30.3 Manufacture of air and spacecraft and related machinery
<i>Medium-high-technology</i>	20 Manufacture of chemicals and chemical products 25.4 Manufacture of weapons and ammunition 27 to 29 Manufacture of electrical equipment, Manufacture of machinery and equipment n.e.c., Manufacture of motor vehicles, trailers and semi-trailers 30 Manufacture of other transport equipment <b>excluding</b> 30.1 Building of ships and boats, and <b>excluding</b> 30.3 Manufacture of air and spacecraft and related machinery 32.5 Manufacture of medical and dental instruments and supplies
<i>Medium-low-technology</i>	18.2 Reproduction of recorded media 19 Manufacture of coke and refined petroleum products 22 to 24 Manufacture of rubber and plastic products, Manufacture of other non-metallic mineral products, Manufacture of basic metals 25 Manufacture of fabricated metal products, except machinery and equipment <b>excluding</b> 25.4 Manufacture of weapons and ammunition 30.1 Building of ships and boats 33 Repair and installation of machinery and equipment
<i>Low-technology</i>	10 to 17 Manufacture of food products, beverages, tobacco products, textiles, wearing apparel, leather and related products, wood and of products of wood, paper and paper products 18 Printing and reproduction of recorded media <b>excluding</b> 18.2 Reproduction of recorded media 31 Manufacture of furniture 32 Other manufacturing <b>excluding</b> 32.5 Manufacture of medical and dental instruments and supplies

Manufacturing industries	NACE Rev. 2 codes – 2-digit level
<i>High-technology</i>	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations 26 Manufacture of computer, electronic and optical products
<i>Medium-high-technology</i>	20 Manufacture of chemicals and chemical products 27 to 30 Manufacture of electrical equipment, Manufacture of machinery and equipment n.e.c., Manufacture of motor vehicles, trailers and semi-trailers, Manufacture of other transport equipment
<i>Medium-low-technology</i>	19 Manufacture of coke and refined petroleum products 22 to 25 Manufacture of rubber and plastic products, Manufacture of other non-metallic mineral products, Manufacture of basic metals, Manufacture of fabricated metal products, except machinery and equipment 33 Repair and installation of machinery and equipment
<i>Low-technology</i>	10 to 18 Manufacture of food products, beverages, tobacco products, textiles, wearing apparel, leather and related products, wood and of products of wood, paper and paper products, printing and reproduction of recorded media. 31 to 32 Manufacture of furniture, Other manufacturing

## Aggregations of services based on NACE Rev. 2

Following a similar approach as for manufacturing, Eurostat defines the following sector as knowledge-intensive services (KIS) or as less knowledge-intensive services (LKIS), where each is sub-divided in further sub-sectors. Aggregations for services are only made at NACE 2-digit level.

<b>Knowledge based services</b>	<b>NACE Rev. 2 codes – 2-digit level</b>
<b>Knowledge-intensive services (KIS)</b>	<b>50 to 51</b> Water transport, Air transport <b>58 to 63</b> Publishing activities, Motion picture, video and television programme production, sound recording and music publishing activities, Programming and broadcasting activities, Telecommunications, Computer programming, consultancy and related activities, Information service activities (section J) <b>64 to 66</b> Financial and insurance activities (section K) <b>69 to 75</b> Legal and accounting activities, Activities of head offices; management consultancy activities, Architectural and engineering activities; technical testing and analysis, Scientific research and development, Advertising and market research, Other professional, scientific and technical activities, Veterinary activities (section M) <b>78</b> Employment activities <b>80</b> Security and investigation activities <b>84 to 93</b> Public administration and defence, compulsory social security (section O), Education (section P), Human health and social work activities (section Q), Arts, entertainment and recreation (section R)
Knowledge-intensive market services (excluding high-tech and financial services)	<b>50 to 51</b> Water transport, Air transport <b>69 to 71</b> Legal and accounting activities, Activities of head offices; management consultancy activities, Architectural and engineering activities; technical testing and analysis <b>73 to 74</b> Advertising and market research, Other professional, scientific and technical activities <b>78</b> Employment activities <b>80</b> Security and investigation activities
High-tech knowledge-intensive services	<b>59 to 63</b> Motion picture, video and television programme production, sound recording and music publishing activities, Programming and broadcasting activities, Telecommunications, Computer programming, consultancy and related activities, Information service activities <b>72</b> Scientific research and development
Knowledge-intensive financial services	<b>64 to 66</b> Financial and insurance activities (section K)
Other knowledge-intensive services	<b>58</b> Publishing activities <b>75</b> Veterinary activities <b>84 to 93</b> Public administration and defence, compulsory social security (section O), Education (section P), Human health and social work activities (section Q), Arts, entertainment and recreation (section R)
<b>Less knowledge-intensive services (LKIS)</b>	<b>45 to 47</b> Wholesale and retail trade; repair of motor vehicles and motorcycles (section G) <b>49</b> Land transport and transport via pipelines <b>52 to 53</b> Warehousing and support activities for transportation, Postal and courier activities <b>55 to 56</b> Accommodation and food service activities (section I) <b>68</b> Real estate activities (section L) <b>77</b> Rental and leasing activities <b>79</b> Travel agency, tour operator reservation service and related activities <b>81</b> Services to buildings and landscape activities <b>82</b> Office administrative, office support and other business support activities <b>94 to 96</b> Activities of membership organisations, Repair of computers and personal and household goods, Other personal service activities (section S) <b>97 to 99</b> Activities of households as employers of domestic personnel; Undifferentiated goods- and services-producing activities of private households for own use (section T), Activities of extraterritorial organisations and bodies (section U)
Less knowledge-intensive market services	<b>45 to 47</b> Wholesale and retail trade; repair of motor vehicles and motorcycles (section G) <b>49</b> Land transport and transport via pipelines <b>52</b> Warehousing and support activities for transportation <b>55 to 56</b> Accommodation and food service activities (Section I) <b>68</b> Real estate activities <b>77</b> Rental and leasing activities <b>79</b> Travel agency, tour operator reservation service and related activities <b>81</b> Services to buildings and landscape activities <b>82</b> Office administrative, office support and other business support activities <b>95</b> Repair of computers and personal and household goods
Other less knowledge-intensive services	<b>53</b> Postal and courier activities <b>94</b> Activities of membership organisations <b>96</b> Other personal service activities <b>97 to 99</b> Activities of households as employers of domestic personnel; Undifferentiated goods- and services-producing activities of private households for own use (section T), Activities of extraterritorial organisations and bodies (section U)