

SDG Goal 9 Industry, innovation and infrastructure

SDG Target 9.b Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment for, inter alia, industrial diversification and value addition to commodities

SDG Indicator 9.b.1 Proportion of medium and high-tech industry value added in total value added

1. Name of data series	
Gross value added of medium- and high-tech industries to total manufacturing value added	
Compliant with SDG metadata: yes	SDG Metadata

2. Definition of indicator
<p>Gross value added (GVA) of medium-tech (MHT) and high-tech industries (HIT) to total manufacturing value added is defined as GVA (at factor costs) of enterprises with their main economic activity in MHT or HIT in proportion to total GVA of manufacturing.</p> <p>Following the Commission Regulation (EU) 2015/2112 of 23 November 2015 MHT are:</p> <ul style="list-style-type: none"> • 20 Manufacture of chemicals and chemical products • 25.4 Manufacture of weapons and ammunition • 27 Manufacture of electrical equipment • 28 Manufacture of machinery and equipment n.e.c. • 29 Manufacture of motor vehicles, trailers and semi-trailers • 30 Manufacture of other transport equipment (excluding 30.1 Building of ships and boats and 30.3) <ul style="list-style-type: none"> ◦ 30.2 Manufacture of railway locomotives and rolling stock ◦ 30.4 Manufacture of military fighting vehicles ◦ 30.9 Manufacture of transport equipment n.e.c. • 32.5 Manufacture of medical and dental instruments and supplies <p>and HIT are:</p> <ul style="list-style-type: none"> • 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 <p>according to the national classification of economic activities, version 2008 (WZ 2008). Manufacturing is classified as section C of WZ 2008. The WZ 2008 is compliant with the European classification (NACE Rev. 2) and similar to the international classification (ISIC Rev. 4).</p>
3. Comparison with SDG metadata (as of 08/08/2018)
<p>Since the metadata have been adapted to the European definition of MHT and HIT in August 2018 the indicator is compliant with the international metadata description of the SDG indicator 9.b.1.</p> <p>Remark: The definition of GVA (basic prices or factor costs) is not clearly determined in the international metadata. Additionally, the international metadata description of the SDG indicator 9.b.1 does not foreseen a separate publication of MHT and HIT.</p>

4. Data description	
The data are gained in two separate statistics of the Federal Statistical Office by a stratified random sample, namely the structure statistics and the cost structure statistics in the manufacturing, mining and quarrying. The first, the structure statistics captures enterprises with less than 20 persons employed and the second, the cost structure statistics surveys enterprises with 20 and more persons employed. Both statistics base on an European Regulation.	
5. Calculation method	
$\text{GVA of MHT and HIT} = \frac{\text{GVA of MHT and HIT (EUR)} \times 100}{\text{GVA of section C (EUR) of the same period}}$	
6. Unit of measure	%

7. Timeliness	8. Frequency
t + 18 months	Annual
9. Last regular revision	10. Revised period
Not applicable	Not applicable

11. Accessibility of source data
<p>Statistical Yearbook, chapter 20 manufacturing and services industries at a glance (Only available in German):</p> <p>https://www.destatis.de/DE/Themen/Querschnitt/Jahrbuch/_inhalt.html</p> <p>GENESIS online 42251-0003: Persons employed, turnover, output and value added of enterprises in manufacturing: Germany, years, economic activities (WZ2008 2-4-digit hierarchy)</p>
12. Metadata on source data
<p>Quality report of structure statistics in manufacturing, mining and quarrying (Only available in German):</p> <p>https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Industrie-Verarbeitendes-Gewerbe/einfuehrung.html</p> <p>Quality report of cost structure statistics in manufacturing, mining and quarrying (Only available in German):</p> <p>https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Industrie-Verarbeitendes-Gewerbe/einfuehrung.html</p>
13. Related SDG data series (duplicate indicators or sub-indicators to same indicator)
Not applicable

For more information please contact:
<https://www.destatis.de/EN/Service/Contact/Contact.html>