

Table 1

VARIABLE NAME	DEFINITION	SOURCE
ag_harvester	Number of self-propelled machines that reap and thresh in one operation	FAOSTAT (2004)
ag_milkingmachine	Number of installations consisting of several complete milking units	FAOSTAT (2004)
ag_tractor	Number of wheel and crawler tractors (excluding garden tractors) used in agriculture	FAOSTAT (2004)
atm	Number of electromechanical devices that permit authorized users, typically using machine-readable plastic cards, to withdraw cash from their accounts and/or access other services	BIS (various years) and ECB (various years)
aviationpkm	Civil aviation passenger-KM traveled on scheduled services by companies registered in the country concerned. Not a measure of travel through a country's airports	Mitchell (1998)
aviationtkm	Civil aviation ton-KM of cargo carried on scheduled services by companies registered in the country concerned. Not a measure of travel through a country's airports	Mitchell (1998)
bed_acute	Number of beds available for those seeking in-patient acute care, including diagnosis or treatment of an injury or illness and performance of surgery	OECD (2005)
bed_hosp	Number of beds, including inpatient beds available in public, private, general, and specialized hospitals and rehabilitation centers. In most cases beds for both acute and chronic care are included	WORLD BANK (2005)
bed_longterm	Number of beds for people who need assistance on a continuing basis due to chronic impairments and a reduced degree of independence in activities of daily living (including those in both hospitals and nursing homes)	OECD (2005)

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VARIABLE NAME	DEFINITION	SOURCE
cabletv	Number of households that subscribe to a multi-channel television service delivered by a fixed line connection	WORLD BANK (2007)
cellphone	Number of users of portable cell phones	WORLD BANK (2007)
cheque	Number of payments by cheque (in millions)	BIS (various years), ECB (various years), EMEAP (2002)
computer	Number of self-contained computers designed for use by one person	WORLD BANK (2007)
creditdebit	Payments by credit and debit cards (in millions)	BIS (various years), ECB (various years), EMEAP (2002)
eft	Number of transactions using payment cards at points of service (retail locations)	BIS (various years) and ECB (various years)
elecprod	Gross output of electric energy (inclusive of electricity consumed in power stations) in KwHr	Mitchell (1998), WORLD BANK (2007)
fert_total	Metric tons of fertilizer consumed. Aggregate of 25 individual types listed in source	FAOSTAT (2004)
internetuser	Number of people with access to the worldwide network	WORLD BANK (2007)
irrigatedarea	Area equipped to provide water to crops, including those with full and partial control irrigation or spate irrigation and equipped wetland or inland valley bottoms	FAOSTAT (2004)
kidney_dialpat	Number of patients receiving dialysis treatments, both at centers and at home	OECD (2005)
kidney_homedialpat	Number of patients receiving dialysis treatments at home	OECD (2005)

VARIABLE NAME	DEFINITION	SOURCE
loom_auto	Number of operable looms (of a certain size) in place at year end and are either automatic or have automatic attachments (as opposed to ordinary looms)	International Cotton Bulletin (various years)
loom_total	Number of operable looms in place at year end, including those that are automatic (as defined above) and those that are ordinary.	International Cotton Bulletin (various years)
mail	Number of items mailed/received, with internal items counted one and cross-border items counted once for each country. May or may not include newspapers sent by mail, registered mail, or parcel post	Mitchell (1998)
med_catscanner	Number of computed tomography (CT) scanners, also known as 'CAT' scans for computed axial tomography	OECD (2005)
med_lithotripter	Number of extracorporeal shock wave lithotripters, a machine typically used to break down kidney stones	OECD (2005)
med_mammograph	Number of dedicated mammography machines	OECD (2005)
med_mriunit	Number of magnetic resonance imaging (MRI) units	OECD (2005)
med_radiationequip	Number of pieces of equipment for treatment with x-rays or radionuclide	OECD (2005)
newspaper	Number of newspaper copies circulated daily. Note that there is a tendency for news circulation to be under-reported, since data for weekly and biweekly publications are not included	Banks (2004)
pctdaysurg_cataract	Percent of cataract surgeries performed without a hospital stay	OECD (2005)
pctdaysurg_cholecyst	Percent of cholecystectomies performed without a hospital stay	OECD (2005)
pctdaysurg_hernia	Percent of hernia procedures performed without a hospital stay	OECD (2005)
pctdaysurg_lapcholecyst	Percent of laparoscopic cholecystectomies performed without a hospital stay	OECD (2005)

VARIABLE NAME	DEFINITION	SOURCE
pctdaysurg_tonsil	Percent of tonsillectomies (with or without adenoidectomy) performed without a hospital stay	OECD (2005)
pctdaysurg_varicosevein	Percent of varicose veins procedures performed without a hospital stay	OECD (2005)
pcthomedialysis	Percent of dialysis patients who receive treatment at home	OECD (2005)
pctimmunizdpt	Percent of children aged 12-23 months who received a DPT immunization (including all three doses) before the age of one year	WORLD BANK (2007)
pctimmunizmeas	Percent of children aged 12-23 months who received a measles immunization (one dose only) before the age of one year	WORLD BANK (2007)
pctirrigated	Irrigated area (as defined above) as a share of cultivated land, which includes land used for permanent and temporary crops, pasture, land used for temporary crops, and land lying temporarily fallow	FAOSTAT (2004)
pctmvbyarea	Share, by area, of cropland planted with modern varieties. Weighted average of modern variety percentage for all crops included in Evenson dataset (barley, cassava, etc)	Evenson and Gollin (2003)
pest_total	Metric tons of active ingredients in pesticides used in or sold to the agricultural sector. Aggregate of 32 individual types. Some countries may have reported formulation weight (instead of active ingredients)	FAOSTAT (2004)
pos	Number of retail locations at which payment cards can be used Note: Per-capita data was converted to level data using WORLD BANK (2007) population data	BIS (various years) and ECB (various years)
radio	Number of radios	Banks (2004)
railline	Geographical/route lengths of line open at the end of the year. Narrow gauge lines generally included, but mountain railways, purely industrial lines not open to the public, and urban systems generally excluded	Mitchell (1998)
railp	Thousands of passenger journeys by railway. Free passengers typically excluded but may be included for some countries	Mitchell (1998)

VARIABLE NAME	DEFINITION	SOURCE
railpkm	Passenger journeys by railway in passenger-KM. Free passengers typically excluded but may be included for some countries	Mitchell (1998)
railt	Metric tons of freight carried on railways (excluding livestock and passenger baggage). Freight for servicing of railroads is typically excluded but may be included for some countries	Mitchell (1998)
railtkm	Ton-KM of freight carried on railways (excluding livestock and passenger baggage). Freight for servicing of railroads is typically excluded but may be included for some countries	Mitchell (1998)
ship_all	Number of ships of all kinds (above a minimum weight) in use at midyear. Please see also general note on all ship-related series at end of list	Mitchell (1998)
ship_motor	Number of motor ships (above a minimum weight) in use at midyear. Please see also general note on all ship-related series at end of list	Mitchell (1998)
ship_sail	Number of sail ships (above a minimum weight) in use at midyear	Mitchell (1998)
ship_steam	Number of steam ships (above a minimum weight) in use at midyear	Mitchell (1998)
ship_steammotor	Number of steam and motor ships (above a minimum weight) in use at midyear	Mitchell (1998)
shipton_all	Tonnage of ships of all kinds (above a minimum weight) in use at midyear	Mitchell (1998)
shipton_motor	Tonnage of motor ships (above a minimum weight) in use at midyear	Mitchell (1998)
shipton_sail	Tonnage of sail ships (above a minimum weight) in use at midyear	Mitchell (1998)
shipton_steam	Tonnage of steam ships (above a minimum weight) in use at midyear	Mitchell (1998)

VARIABLE NAME	DEFINITION	SOURCE
shipton_steammotor	Tonnage of steam and motor ships (above a minimum weight) in use at midyear	Mitchell (1998)
spindle_mule	Number of mule spindles in place at year end	International Cotton Bulletin (various years)
spindle_ring	Number of ring spindles in place at year end	International Cotton Bulletin (various years)
steel_acidbess	Crude steel production (in metric tons) by the acid Bessemer process (an early steel process)	International Iron and Steel Institute (various years)
steel_basicbess	Crude steel production (in metric tons) by the basic Bessemer process (an early steel process)	International Iron and Steel Institute (various years)
steel_bof	Crude steel production (in metric tons) in blast oxygen furnaces (a process that replaced Bessemer and OHF processes)	International Iron and Steel Institute (various years)
steel_eaf	Crude steel production (in metric tons) in electric arc furnaces (a process that complemented and improved upon Bessemer and OHF processes)	International Iron and Steel Institute (various years)
steel_ohf	Crude steel production (in metric tons) in open hearth furnaces (a process that complemented the Bessemer process)	International Iron and Steel Institute (various years)
steel_other	Crude steel production (in metric tons) by methods other than those listed here	International Iron and Steel Institute (various years)
steel_stainless	Stainless steel production (in metric tons). Stainless and crude steel have different functions	International Iron and Steel Institute (various years)
surg_appendectomy	Number of appendectomies performed	OECD (2005)

VARIABLE NAME	DEFINITION	SOURCE
surg_breastcnsv	Number of breast conservation surgeries performed	OECD (2005)
surg_cardcath	Number of cardiac catheterizations (insertion of a catheter into a chamber or vessel of the heart) performed	OECD (2005)
surg_cataract	Number of cardiac catheterizations (insertion of a catheter into a chamber or vessel of the heart) performed	OECD (2005)
surg_cholecyst	Number of cholecystectomies (gallbladder removals) performed, either laparoscopically or by other methods	OECD (2005)
surg_corbypass	Number of coronary bypass surgeries performed	OECD (2005)
surg_corinterven	Number of percutaneous coronary interventions (used to reduced or eliminate the symptoms of coronary artery disease) performed	OECD (2005)
surg_corstent	Number of coronary stenting procedures performed. This is a particular type of percutaneous coronary intervention	OECD (2005)
surg_csection	Number of Caesarean sections performed	OECD (2005)
surg_hernia	Number procedures performed to correct inguinal and femoral hernias (the most common types)	OECD (2005)
surg_hipreplace	Number of hip replacement surgeries performed	OECD (2005)
surg_hysterectomy	Number of vaginal hysterectomies performed (does not include abdominal or laparoscopic procedures)	OECD (2005)
surg_kneereplace	Number of knee replacement surgeries	OECD (2005)
surg_lapcholecyst	Number of cholecystectomies (gallbladder removals) performed laparoscopically	OECD (2005)
surg_mastectomy	Number of mastectomies performed	OECD (2005)
surg_pacemaker	Number of pacemaker implantation procedures performed	OECD (2005)

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VARIABLE NAME	DEFINITION	SOURCE
surg_prostatetrans	Number of transurethral prostatectomies performed. This is the most common type of prostatectomy procedure	OECD (2005)
surg_prostatextrans	Number of non-transurethral prostatectomies performed. This category of procedures tends to include more advanced prostatectomy procedures	OECD (2005)
surg_tonsil	Percent of tonsillectomies (with or without adenoidectomy) performed	OECD (2005)
surg_varicosevein	Number of varicose vein correction procedures (including ligation and stripping) performed	OECD (2005)
telegram	Number of telegrams sent	Mitchell (1998)
telephone	Number of mainline telephone lines connecting a customer's equipment to the public switched telephone network as of year end	Mitchell (1998), WORLD BANK (2007)
transplant_bonemarrow	Number of bone marrow transplants performed	OECD (2005)
transplant_heart	Number of heart transplants performed	OECD (2005)
transplant_kidney	Number of kidney transplants performed	OECD (2005)
transplant_liver	Number of liver transplants performed	OECD (2005)
transplant_lung	Number of lung transplants performed.	OECD (2005)
tv	Number of television sets in use	Banks (2004) and WORLD BANK (2007)
txtlmat_artif	Weight of artificial (cellulosic) fibers used in spindles	International Cotton Bulletin (various years)
txtlmat_otherraw	Weight of other types (besides artificial, synthetic, and standard raw cotton) of fibers used in spindles	International Cotton Bulletin (various years)

VARIABLE NAME	DEFINITION	SOURCE
txtlmat_synth	Weight of synthetic (non-cellulosic) fibers used in spindles	International Cotton Bulletin (various years)
txtlmat_totalraw	Weight of all types of fibers used in spindles	International Cotton Bulletin (various years)
vehicle_car	Number of passenger cars (excluding tractors and similar vehicles) in use. Numbers typically derived from registration and licensing records, meaning that vehicles out of use may occasionally be included.	Mitchell (1998), WORLD BANK (2007)
vehicle_com	Number of commercial vehicles, typically including buses and taxis (excluding tractors and similar vehicles), in use. Numbers typically derived from) registration and licensing records, meaning that vehicles out of use may occasionally be included	Mitchell (1998)
visitorbeds	Number of visitor beds available in hotels and elsewhere	World Tourism Organization (various years)
visitorrooms	Number of visitor rooms available in hotels and elsewhere.	World Tourism Organization (various years)
xlpopulation	Population	Maddison (2007), Mitchell (1998), Penn World Table (2007)
xlrealgdp	Scaled level of real GDP	Maddison (2007), Mitchell (1998), Penn World Table (2007)
pctivprimeenroll	Primary school enrollment rate	Mitchell and Banks
pctivsecenroll	Secondary school enrollment rate	Mitchell and Banks

VARIABLE NAME	DEFINITION	SOURCE
pctivprivateinv	Private investment as a share of GDP	Penn World Table (2007)
pctivpublicinv	Public investment as a share of GDP	Penn World Table (2007)
pctivliteracy	Percent literate (usually calculated on the basis of non-literate (unable to read and write) 15 years and older)	Banks (2004)