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## Education Matters: Insights on Education, Learning and Training in Canada December 2008

This issue of Statistics Canada's free online publication Education Matters: Insights on Education, Learning and Training in Canada contains one article.

The article "Youth bilingualism in Canada" uses data from the 2006 Youth in Transition Survey to link the self-rated ability of youth to converse in both English and French at age 21 to the type of language schooling they had received in elementary and high school. Almost two-thirds of those enrolled prior to Grade 4 (early immersion) reported being bilingual at age 21, compared with $45 \%$ of those first enrolled in later years. Also, those youth who were able to continue their enhanced French education into secondary school (after Grade 6) were significantly more likely to report that they were bilingual ( $66 \%$ ) compared with those who had only had immersion in elementary school (40\%).

This issue of Education Matters: Insights on Education, Learning and Training in Canada also includes updates to a number of tables and charts in Education Indicators in Canada: Report of the Pan-Canadian Education Indicators Program 2007, based on the most recently available data.

The December 2008 issue of Education Matters: Insights on Education, Learning and Training in Canada, Vol. 5, no. 4 (81-004-XIE, free), is now available from the Publications module of our website.

For more information, contact Client Services (toll-free 1-800-307-3382; 613-951-7608; fax: 613-951-9040; educationstats@statcan.gc.ca), Culture, Tourism and the Centre for Education Statistics.

Statistics

The Daily, December 16, 2008

New products

## Releases

## Monthly Survey of Manufacturing

## October 2008

Manufacturing sales fell for a third consecutive month in October, decreasing $0.5 \%$ to $\$ 51.5$ billion.


The Canada/US exchange rate, as well as a notable decrease in the price of petroleum and coal products, both affected October's manufacturing results. The change in the exchange rate had a strengthening effect for manufacturers who determine their prices in US dollars. On the other hand, the price of petroleum and coal products dropped 13.5\% in October, reducing the value of sales in that industry.

In constant dollars, manufacturing sales decreased $1.8 \%$ compared with September, bringing constant dollar sales to their lowest level since December 2001.

In October, 8 of 21 manufacturing industries, accounting for about $40 \%$ of total sales, posted decreases.

## Aerospace and petroleum industries move in opposite directions

Petroleum and coal product sales led the decrease in October, posting a decline of $7.3 \%$ in October that was largely due to lower prices. Petroleum and coal product

## Note to readers

All data in this release are seasonally adjusted and are expressed in current dollars unless otherwise specified.

Preliminary estimates are provided for the current reference month. Estimates, based on late responses, are revised for the three previous months.

Non-durable goods industries include food, beverage and tobacco products, textile mills, textile product mills, clothing, leather and allied products, paper, printing and related support activities, petroleum and coal products, chemicals, and plastics and rubber products.

Durable goods industries include wood products, non-metallic mineral products, primary metals, fabricated metal products, machinery, computer and electronic products, electrical equipment, appliances and components, transportation equipment, furniture and related products and miscellaneous manufacturing.

## Production-based industries

For the aerospace industry and shipbuilding industries, the value of production is used instead of sales of goods manufactured. This value is calculated by adjusting monthly sales of goods manufactured by the monthly change in inventories of goods in process and finished products manufactured.

Unfilled orders are a stock of orders that will contribute to future sales assuming that the orders are not cancelled.

New orders are those received whether sold in the current month or not. New orders are measured as the sum of sales for the current month plus the change in unfilled orders from the previous month to the current month.
sales have fallen for four consecutive months, and were $18.1 \%$ lower than the peak reached in June 2008.

On the other hand, the transportation equipment industry advanced $2.3 \%$ in October, led by aerospace products and parts production, which increased 23.7\% during the month. Many manufacturers in the industry price their products in US dollars, which buoyed their results compared with September.

## Alberta reports largest sales decrease since October 2001

In October, seven provinces reported a decrease in manufacturing sales compared with September. Only New Brunswick, Quebec, and British Columbia reported gains during the month.

Manufacturing sales in Alberta fell 6.8\% in October, erasing all the gains registered since May 2008. A plant shutdown, combined with a drop in prices, led to a $21.2 \%$ decrease in the sales of petroleum and coal products in October. Chemical product manufacturers also contributed to the decrease, as their sales declined $8.6 \%$.

Manufacturing sales in Ontario decreased for a third consecutive month, dropping $1.0 \%$ in October. Motor vehicle manufacturing sales fell $5.7 \%$ and primarily accounted for lower sales in the province. Much of the weakness in Ontario was due to an automotive plant shutdown that lasted most of the month. Petroleum and coal product sales were also a factor this month, decreasing 7.1\%.

Quebec manufacturers reported back-to-back monthly gains, with October sales increasing by $2.9 \%$. Transportation equipment manufacturing sales, led by the aerospace industry, posted an increase of $34.1 \%$, in part due to numerous manufacturers determining their prices in US dollars.

Manufacturing sales, provinces and territories

| September |  |  |  |
| ---: | ---: | ---: | :---: |
| $2008^{r}$ | October <br> $2008^{p}$ | September <br> to |  |
|  |  | October |  |
|  |  | 2008 |  |
| Seasonally adjusted |  |  |  |


|  | Seasonally adjusted |  |  |
| :---: | :---: | :---: | :---: |
|  | \$ millions |  | \% change ${ }^{1}$ |
| Canada | 51,755 | 51,509 | -0.5 |
| Newfoundland and |  |  |  |
| Labrador | 547 | 527 | -3.6 |
| Prince Edward Island | 117 | 115 | -1.8 |
| Nova Scotia | 997 | 895 | -10.2 |
| New Brunswick | 1,294 | 1,539 | 18.9 |
| Quebec | 12,844 | 13,213 | 2.9 |
| Ontario | 23,601 | 23,370 | -1.0 |
| Manitoba | 1,446 | 1,408 | -2.6 |
| Saskatchewan | 1,098 | 1,052 | -4.2 |
| Alberta | 6,371 | 5,940 | -6.8 |
| British Columbia | 3,432 | 3,446 | 0.4 |
| Yukon | 3 | 3 | -0.8 |
| Northwest Territories and Nunavut | 5 | 2 | -59.4 |

[^0]
## Inventory levels trending higher

After falling to a two-year low in February 2008, inventory levels posted seven increases in eight months.

Inventory levels in October rose $1.3 \%$ to $\$ 68.6$ billion, as 16 of 21 industries reported higher inventory levels. Raw material inventories increased the most, up $1.7 \%$.

Inventory levels move higher in October
\$ billions


The change in the exchange rate in October


However, lower oil prices reduced the value of inventories reported by petroleum and coal product manufacturers (-10.0\%).

The inventory-to-sales ratio advanced to 1.33 in October, the highest level since January 2008. The ratio had been trending downward in 2008, reaching 1.25 in July before reversing direction over the last few months. The inventory-to-sales ratio is a measure of the time, in months, that would be required to exhaust inventories if sales were to remain at their current level.

Unfilled orders posted an increase of $6.8 \%$ in October, entirely attributable to the rise of $13.9 \%$ in aerospace manufacturing, which in turn was due to changes in the exchange rate. Excluding the aerospace industry, unfilled orders decreased $0.3 \%$ in October.

Unfilled orders pushed higher by aerospace industry
\$ billions


New orders also increased notably in October, rising $8.8 \%$ after two months of decreases. Excluding the aerospace industry, new orders fell $1.5 \%$ compared with September.

Available on CANSIM: tables 304-0014, 304-0015 and 377-0008.

Definitions, data sources and methods: survey number 2101.

Data from the November Monthly Survey of Manufacturing will be released on January 20, 2009.

For more information, or to order data, contact the dissemination officer (toll-free 1-866-873-8789; 613-951-9497; fax: 613-951-3877; manufact@statcan.gc.ca). To enquire about the concepts, methods or data quality of this release, contact Elton Cryderman (613-951-4317; elton.cryderman@statcan.gc.ca), Manufacturing and Energy Division.

Sales, inventories and orders in all manufacturing industries


Manufacturing industries except motor vehicle, parts and accessories

|  | Sales |  | Inventories |  | Unfilled orders |  | New orders |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Seasonally adjusted |  |  |  |  |  |  |  |
|  | \$ millions | \% change | \$ millions | \% change | \$ millions | \% change | \$ millions | \% change |
| October 2007 | 42,526 | 0.8 | 62,028 | -0.9 | 53,912 | -1.4 | 41,739 | 0.6 |
| November 2007 | 43,281 | 1.8 | 62,513 | 0.8 | 56,378 | 4.6 | 45,747 | 9.6 |
| December 2007 | 42,914 | -0.8 | 62,305 | -0.3 | 57,810 | 2.5 | 44,346 | -3.1 |
| January 2008 | 43,283 | 0.9 | 62,580 | 0.4 | 58,162 | 0.6 | 43,635 | -1.6 |
| February 2008 | 43,889 | 1.4 | 62,055 | -0.8 | 57,955 | -0.4 | 43,682 | 0.1 |
| March 2008 | 43,496 | -0.9 | 62,425 | 0.6 | 60,896 | 5.1 | 46,437 | 6.3 |
| April 2008 | 44,288 | 1.8 | 62,669 | 0.4 | 60,325 | -0.9 | 43,717 | -5.9 |
| May 2008 | 45,625 | 3.0 | 63,753 | 1.7 | 61,763 | 2.4 | 47,062 | 7.7 |
| June 2008 | 46,579 | 2.1 | 64,529 | 1.2 | 62,769 | 1.6 | 47,586 | 1.1 |
| July 2008 | 47,763 | 2.5 | 64,644 | 0.2 | 63,459 | 1.1 | 48,453 | 1.8 |
| August 2008 | 46,110 | -3.5 | 65,273 | 1.0 | 65,607 | 3.4 | 48,258 | -0.4 |
| September 2008 | 46,032 | -0.2 | 65,356 | 0.1 | 65,474 | -0.2 | 45,899 | -4.9 |
| October 2008 | 45,995 | -0.1 | 66,058 | 1.1 | 70,236 | 7.3 | 50,757 | 10.6 |

# National balance sheet accounts 

Third quarter 2008
Canadian stock prices fell significantly during the third quarter of 2008, resulting in a 3.2\% drop in household net worth, equivalent to a decline of $\$ 191$ billion. This was the largest percentage drop since the third quarter of 1998, when Canadian stock prices fell in response to the Asian financial crisis.


In comparison, household net worth in the United States fell $4.7 \%$ in the third quarter, their fourth consecutive quarterly decline.

Canadian equity markets were down by over $18 \%$ in the third quarter, as measured by the Standard and Poor's / Toronto Stock Exchange composite index, which closed in September at 11,753, led by substantial declines in energy stocks. The corresponding loss in directly held equities, combined with the related loss in the value of pension and life insurance assets of households, was the principal factor behind the drop in net worth. Also contributing were slower growth in residential real estate values and continued household borrowing. Total household assets fell $2.2 \%$ in the third quarter of 2008.

Household debt growth slowed in the third quarter, owing largely to lower new mortgage borrowing. Household debt (consumer credit and mortgages) relative to net worth edged up during the quarter. Households had 20.9 cents of debt for every dollar of

## Note to readers

The national balance sheet accounts are comprised of the balance sheets of all of the sectors of the economy: the persons and unincorporated business, corporate, government and non-resident sectors. They cover all resident non-financial assets and all financial claims and associated liabilities outstanding in all sectors.

National wealth is the sum of non-financial assets (produced assets, land surrounding structures and agricultural land) in all resident sectors of the economy.

National net worth is the sum of the net worth of the persons and unincorporated business, corporate and government sectors. Alternatively, it is national wealth less net foreign liabilities (i.e., what is owed to non-residents less what non-residents owe to Canadians).

Canadian household debt in this release is defined as consumer credit and mortgage debt of the persons and unincorporated business sector, which includes non-government non-profit institutions serving households. Household debt for the US is comprised of consumer credit and mortgage debt as published by the Federal Reserve Board for Households, Non-Profit Organizations and Nonfarm Noncorporate Business.

Quarterly series, both book and market value, are available from the first quarter of 1990. Marketable securities are at market value unless otherwise stated. For more information on the market value estimates, consult the Balance sheet estimates at market value page of our website.

Additional sub-sector tables for the national balance sheet on a market value basis are now available on request (613-951-3640; iead-info-dcrd@statcan.gc.ca). The sub-sectors covered will include a number of institutional investors, such as life insurance and pension funds, mutual funds, and chartered banks and near banks. These tables will provide the same level of detail as existing market value tables, in terms of financial instruments presented, and will cover the first quarter of 1990 to the third quarter of 2008.
net worth and \$1.27 of debt for every dollar of disposable income.

However, the increase in household debt relative to net worth was larger in the US in the third quarter. While this ratio has followed a similar pattern in both countries from 1990 to 2008, it is currently lower in Canada, having diverged significantly between 1999 and 2003. This divergence was largely due to the differential effect of the stock market downturn on equity assets during that period, given the US household sector's higher exposure to traded equities as compared with that of Canada's. Mortgage borrowing was also a contributing factor. Between year-end 1999 and 2003, household mortgage debt in the United States rose 52\%, compared with an increase of $23 \%$ for Canada.

## Financial institutions' marketable assets decrease

Canadian financial institutions, including institutional investors such as trusteed pension plans and mutual funds, were also affected by the drop in equity markets
in the third quarter. This resulted in a notable decrease in the value of their marketable securities.


The value of Canadian equities and mutual fund units held by financial institutions was down more than $16 \%$ in the third quarter. The decline in foreign equity markets had a similar effect on the foreign portfolio holdings of financial institutions, as the value of foreign investments fell by more than $6 \%$ in the third quarter of 2008.

## Corporate debt-to-equity ratio edges up

Increased borrowing in the Canadian corporate sector translated into a slight increase in the non-financial private corporations' debt-to-equity ratio, which has trended down for much of the last two decades. In the third quarter of 2008, corporations had 53.6 cents of credit market debt for every dollar of equity (at book value), as the growth rate in credit market borrowing exceeded that of equity issuances plus saving.

Financing activity accelerated during the quarter, as non-financial corporations increased investment in plants, equipment and inventories, with notable increases in borrowing in the form of bank loans and
bond issues. Corporations continued to record strong profit growth during the quarter, and the non-financial corporate sector remained a net lender to the rest of the economy.

## Government net debt-to-gross domestic product ratio declines further

The federal government's credit market debt decreased in the third quarter of 2008. Funds received from the sale of radio spectrum licenses during the quarter helped reduce its demand for funds.

The drop in federal debt was partially offset by increased borrowings by other levels of government. Overall, total government net debt (at book value) as a percentage of gross domestic product edged down to just over $35 \%$ in the third quarter, compared with the peak of $92 \%$ in mid-1996.

## Net foreign debt falls, led by Canadian direct investment abroad

Canada's net foreign indebtedness (with tradable securities on a market value basis) declined to $\$ 14.6$ billion in the third quarter. Robust foreign direct investment abroad was the major factor in the reduction of Canada's net foreign debt. Direct investment abroad by Canadian firms rose by $\$ 30.6$ billion to $\$ 593.7$ billion, on the largest outflows by Canadian companies in four years. Global stock market declines also contributed to lower net foreign debt, as non-residents had larger losses on their Canadian equities than Canadian investors had on foreign stocks.

## Reduction in net foreign debt contributes to the growth in national net worth

Even with the large decline in the household sector's net worth, growth in national net worth (total assets less liabilities for all sectors) remained robust, with national net worth rising $3.3 \%$ in the third quarter of 2008. The growth in national net worth was attributable to a decline in net liabilities to non-residents and an increase in economy-wide non-financial assets (national wealth). This resulted in a per capita national net worth of $\$ 180,000$, up from $\$ 174,800$ in the second quarter of 2008.

National wealth amounted to just over $\$ 6$ trillion, as growth accelerated to $2.8 \%$, up from the second quarter, with gains in non-residential and residential real estate contributing to the increase.


## Aircraft movement statistics: Small airports

August 2008
The number of take-offs and landings at the 117 airports without air traffic control towers reached 68,181 movements in August, down 19.1\% compared with the 84,284 take-offs and landings at the 120 airports reported in August 2007. Barrie-Orillia-Lake Simcoe Regional, Ontario, was the most active site in August 2008, recording 3,379 movements.

Available on CANSIM: tables 401-0021 and 401-0022.
Definitions, data sources and methods: survey number 2715.

The August 2008 issue of Aircraft Movement Statistics: Airports without Air Traffic Control Towers (TP 141) (51-008-XWE, free) is now available from the Publications module of our website. This report is a joint publication of Statistics Canada and Transport Canada.

For more information, or to enquire about the concepts, methods or data quality of this release, contact Client Services (toll-free 1-866-500-8400; transportationstatistics@statcan.gc.ca), Transportation Division.

## Industrial chemicals and synthetic resins

October 2008

Data on industrial chemicals and synthetic resins are now available for October.

Available on CANSIM: table 303-0014.
Definitions, data sources and methods: survey number 2183.

The October 2008 issue of Industrial Chemicals and Synthetic Resins, Vol. 51, no. 10 (46-002-XWE, free), is now available from the Publications module of our website.

For more information, or to enquire about the concepts, methods or data quality of this
release, contact the dissemination officer (toll-free 1-866-873-8789; 613-951-9497; manufact@statcan.gc.ca), Manufacturing and Energy Division.

## Steel wire and specified wire products

October 2008
Data on steel wire and specified wire products production are now available for October.

## Available on CANSIM: table 303-0047.

Definitions, data sources and methods: survey number 2106.

The October 2008 issue of Steel, Tubular Products and Steel Wire (41-019-XWE, free) will soon be available.

For more information, or to enquire about the concepts, methods or data quality of this release, contact the dissemination officer (toll-free 1-866-873-8789; 613-951-9497; manufact@statcan.gc.ca), Manufacturing and Energy Division.

## Monthly Survey of Large Retailers October 2008

Data for the Monthly Survey of Large Retailers are now available for October.

Available on CANSIM: table 080-0009.
Definitions, data sources and methods: survey number 5027.

A data table is also available from the Summary tables module of our website.

For more information, or to order data, contact Client Services (toll-free 1-877-421-3067; 613-951-3549; retailinfo@statcan.gc.ca). To enquire about the concepts, methods or data quality of this release, contact Ashley Ker (613-951-2252), Distributive Trades Division.

## New products

Analytical Studies Branch Research Paper Series : "Immigrant Economic and Social Outcomes in Canada: Research and Data Development at Statistics Canada", no. 319 Catalogue number 11F0019MIE2008319 (free).

Canadian Economic Accounts Quarterly Review, third quarter 2008, Vol. 7, no. 3 Catalogue number 13-010-XWE (free).

National Balance Sheet Accounts: Data Tables, third quarter 2008, no. 3
Catalogue number 13-022-XWE
(free).
National Balance Sheet Accounts, Quarterly
Estimates, third quarter 2008, Vol. 6, no. 3
Catalogue number 13-214-XWE
(free).
Industrial Chemicals and Synthetic Resins,
October 2008, Vol. 51, no. 10
Catalogue number 46-002-XWE
(free).

## Aircraft Movement Statistics: Airports Without Air Traffic Control Towers (TP 141), August 2008 Catalogue number 51-008-XWE (free).

Education Matters: Insights on Education, Learning and Training in Canada, Vol. 5, no. 4 Catalogue number 81-004-XIE (free).

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[^0]:    r revised
    $p$ preliminary

    1. Percent change calculated at thousands of dollars.
