

# Economic Impact of Long Term Care Facilities Michigan

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$10.4 billion (2.8%) of the state's economic activity**

## Jobs

Direct	Total	Industry Rank
99,660 employees 2.0% of employment	139,860 employees 2.8% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$3.0 billion 1.4% of labor income	\$4.5 billion 2.1% of labor income	14

## Economic Activity

Direct	Total	Industry Rank
\$5.5 billion 1.5% of economic activity	\$10.4 billion 2.8% of economic activity	26

## Tax Revenue

State/Local	Federal	Total
\$403.6 million	\$827.1 million	\$1,230.8 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total State Activity
Output (in millions of dollars)	\$5,472.9	\$1,870.0	\$3,074.5	\$10,417.4	2.8%
Labor Income (in millions of dollars)	\$2,999.6	\$571.6	\$972.7	\$4,543.9	2.1%
Employment (jobs)	99,660	13,790	26,400	139,860	2.8%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$403.6	\$827.1	\$1,230.8	

LTC facilities support other industries and sectors statewide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	99,660	\$5,472.9
Real Estate Establishments	3,040	442.1
Imputed Rental Activity for Owner-Occupied Dwellings	0	375.9
Food Services and Drinking Places	4,060	211.8
Private Hospitals	1,460	190.1
Wholesale Trade Businesses	930	177.3
Insurance Carriers	600	173.6
Offices of Physicians, Dentists, and Other Health Care Providers	1,390	166.1
Electric Power Generation, Transmission	230	151.2
All Other Industries	28,490	3,056.4

## Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 1

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$468.9 million (2.9%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
5,880 employees 2.1% of employment	7,640 employees 2.7% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$151.2 million 1.6% of labor income	\$202.7 million 2.1% of labor income	13

## Economic Activity

Direct	Total	Industry Rank
\$296.6 million 1.8% of economic activity	\$468.9 million 2.9% of economic activity	23

## Tax Revenue

State/Local	Federal	Total
\$19.6 million	\$35.3 million	\$54.9 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 1

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$296.6	\$65.8	\$106.5	\$468.9	2.9%
Labor Income (in millions of dollars)	\$151.2	\$18.8	\$32.7	\$202.7	2.1%
Employment (jobs)	5,880	630	1,120	7,640	2.7%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$19.6	\$35.3	\$54.9	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	5,880	\$296.6
Real Estate Establishments	140	17.0
Imputed Rental Activity for Owner-Occupied Dwellings	0	16.4
Food Services and Drinking Places	210	10.2
Private Hospitals	60	8.1
Electric Power Generation, Transmission	10	7.3
Offices of Physicians, Dentists, and Other Health Care Providers	60	6.8
Wholesale Trade Businesses	40	5.3
Monetary Authorities and Depository Credit Institutions	20	4.2
All Other Industries	1,220	97.0

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
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- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 2

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$593.1 million (2.6%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
6,530 employees 1.9% of employment	8,960 employees 2.6% of employment	11

## Labor Income

Direct	Total	Industry Rank
\$178.9 million 1.4% of labor income	\$253.9 million 2.0% of labor income	13

## Economic Activity

Direct	Total	Industry Rank
\$337.8 million 1.5% of economic activity	\$593.1 million 2.6% of economic activity	27

## Tax Revenue

State/Local	Federal	Total
\$26.0 million	\$44.7 million	\$70.8 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 2

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$337.8	\$96.3	\$159.0	\$593.1	2.6%
Labor Income (in millions of dollars)	\$178.9	\$26.7	\$48.4	\$253.9	2.0%
Employment (jobs)	6,530	880	1,560	8,960	2.6%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$26.0	\$44.7	\$70.8	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	6,530	\$337.8
Real Estate Establishments	230	27.4
Imputed Rental Activity for Owner-Occupied Dwellings	0	21.9
Food Services and Drinking Places	260	12.8
Offices of Physicians, Dentists, and Other Health Care Providers	90	10.1
Wholesale Trade Businesses	60	9.7
Private Hospitals	70	9.4
Pharmaceutical Preparation Manufacturing	10	7.2
Monetary Authorities and Depository Credit Institutions	20	5.2
All Other Industries	1,690	151.6

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 3

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$873.9 million (3.0%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
9,300 employees 2.2% of employment	12,700 employees 3.0% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$269.6 million 1.6% of labor income	\$389.8 million 2.4% of labor income	12

## Economic Activity

Direct	Total	Industry Rank
\$495.6 million 1.7% of economic activity	\$873.9 million 3.0% of economic activity	28

## Tax Revenue

State/Local	Federal	Total
\$36.5 million	\$67.1 million	\$103.6 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 3

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$495.6	\$156.1	\$222.2	\$873.9	3.0%
Labor Income (in millions of dollars)	\$269.6	\$47.8	\$72.4	\$389.8	2.4%
Employment (jobs)	9,300	1,340	2,060	12,700	3.0%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$36.5	\$67.1	\$103.6	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	9,300	\$495.6
Real Estate Establishments	310	39.0
Imputed Rental Activity for Owner-Occupied Dwellings	0	28.5
Food Services and Drinking Places	340	17.3
Private Hospitals	130	16.5
Insurance Carriers	60	14.8
Wholesale Trade Businesses	80	14.0
Offices of Physicians, Dentists, and Other Health Care Providers	90	13.0
Animal Slaughtering, Except Poultry	20	9.0
All Other Industries	2,370	226.2

### Economic Impact Definitions

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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 4

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$676.3 million (3.4%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
7,470 employees 2.5% of employment	10,200 employees 3.5% of employment	8

## Labor Income

Direct	Total	Industry Rank
\$201.6 million 1.9% of labor income	\$288.5 million 2.7% of labor income	10

## Economic Activity

Direct	Total	Industry Rank
\$387.0 million 1.9% of economic activity	\$676.3 million 3.4% of economic activity	19

## Tax Revenue

State/Local	Federal	Total
\$29.8 million	\$51.3 million	\$81.1 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 4

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$387.0	\$111.9	\$177.4	\$676.3	3.4%
Labor Income (in millions of dollars)	\$201.6	\$32.3	\$54.6	\$288.5	2.7%
Employment (jobs)	7,470	940	1,790	10,200	3.5%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$29.8	\$51.3	\$81.1	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	7,470	\$387.0
Real Estate Establishments	220	29.0
Imputed Rental Activity for Owner-Occupied Dwellings	0	25.2
Food Services and Drinking Places	300	14.7
Private Hospitals	110	13.1
Offices of Physicians, Dentists, and Other Health Care Providers	110	11.7
Wholesale Trade Businesses	60	9.8
Electric Power Generation, Transmission	20	9.0
Animal Slaughtering, Except Poultry	10	6.3
All Other Industries	1,900	170.5

### Economic Impact Definitions

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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 5

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$559.9 million (3.8%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
6,180 employees 2.6% of employment	8,350 employees 3.5% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$172.9 million 1.9% of labor income	\$247.4 million 2.7% of labor income	8

## Economic Activity

Direct	Total	Industry Rank
\$324.5 million 2.2% of economic activity	\$559.9 million 3.8% of economic activity	17

## Tax Revenue

State/Local	Federal	Total
\$24.3 million	\$42.5 million	\$66.8 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 5

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$324.5	\$90.9	\$144.6	\$559.9	3.8%
Labor Income (in millions of dollars)	\$172.9	\$27.6	\$46.9	\$247.4	2.7%
Employment (jobs)	6,180	770	1,400	8,350	3.5%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$24.3	\$42.5	\$66.8	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	6,180	\$324.5
Real Estate Establishments	160	22.6
Imputed Rental Activity for Owner-Occupied Dwellings	0	19.9
Food Services and Drinking Places	230	11.8
Private Hospitals	80	10.7
Insurance Carriers	40	10.0
Wholesale Trade Businesses	60	9.5
Offices of Physicians, Dentists, and Other Health Care Providers	70	9.1
Electric Power Generation, Transmission	20	8.6
All Other Industries	1,510	133.2

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
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- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 6

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$628.1 million (2.4%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
6,350 employees 1.9% of employment	8,840 employees 2.6% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$187.5 million 1.4% of labor income	\$271.0 million 2.0% of labor income	15

## Economic Activity

Direct	Total	Industry Rank
\$346.0 million 1.3% of economic activity	\$628.1 million 2.4% of economic activity	34

## Tax Revenue

State/Local	Federal	Total
\$28.2 million	\$48.0 million	\$76.2 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 6

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$346.0	\$100.7	\$181.4	\$628.1	2.4%
Labor Income (in millions of dollars)	\$187.5	\$27.9	\$55.5	\$271.0	2.0%
Employment (jobs)	6,350	790	1,700	8,840	2.6%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$28.2	\$48.0	\$76.2	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	6,350	\$346.0
Real Estate Establishments	200	28.0
Imputed Rental Activity for Owner-Occupied Dwellings	0	23.6
Food Services and Drinking Places	270	13.4
Private Hospitals	100	12.3
Offices of Physicians, Dentists, and Other Health Care Providers	90	10.6
Insurance Carriers	40	10.0
Electric Power Generation, Transmission	10	10.0
Wholesale Trade Businesses	60	9.8
All Other Industries	1,720	164.4

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
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- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 7

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$759.7 million (3.3%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
7,760 employees 2.4% of employment	10,560 employees 3.2% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$239.5 million 1.7% of labor income	\$342.9 million 2.4% of labor income	12

## Economic Activity

Direct	Total	Industry Rank
\$433.3 million 1.9% of economic activity	\$759.7 million 3.3% of economic activity	20

## Tax Revenue

State/Local	Federal	Total
\$35.2 million	\$61.6 million	\$96.8 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 7

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$433.3	\$128.1	\$198.3	\$759.7	3.3%
Labor Income (in millions of dollars)	\$239.5	\$40.1	\$63.3	\$342.9	2.4%
Employment (jobs)	7,760	990	1,810	10,560	3.2%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$35.2	\$61.6	\$96.8	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	7,760	\$433.3
Real Estate Establishments	220	30.3
Imputed Rental Activity for Owner-Occupied Dwellings	0	27.9
Food Services and Drinking Places	290	15.2
Insurance Carriers	40	13.1
Wholesale Trade Businesses	70	12.8
Electric Power Generation, Transmission	20	12.6
Private Hospitals	90	12.0
Offices of Physicians, Dentists, and Other Health Care Providers	100	11.7
All Other Industries	1,970	190.8

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
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- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 8

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$477.9 million (2.0%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
5,170 employees 1.6% of employment	6,870 employees 2.1% of employment	13

## Labor Income

Direct	Total	Industry Rank
\$157.7 million 1.1% of labor income	\$219.5 million 1.6% of labor income	18

## Economic Activity

Direct	Total	Industry Rank
\$286.1 million 1.2% of economic activity	\$477.9 million 2.0% of economic activity	29

## Tax Revenue

State/Local	Federal	Total
\$22.7 million	\$38.8 million	\$61.5 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 8

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$286.1	\$74.0	\$117.8	\$477.9	2.0%
Labor Income (in millions of dollars)	\$157.7	\$23.6	\$38.2	\$219.5	1.6%
Employment (jobs)	5,170	620	1,080	6,870	2.1%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$22.7	\$38.8	\$61.5	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	5,170	\$286.1
Real Estate Establishments	130	21.5
Imputed Rental Activity for Owner-Occupied Dwellings	0	18.0
Food Services and Drinking Places	200	10.1
Insurance Carriers	30	8.5
Offices of Physicians, Dentists, and Other Health Care Providers	70	7.7
Private Hospitals	60	7.7
Wholesale Trade Businesses	30	6.2
Electric Power Generation, Transmission	10	5.3
All Other Industries	1,170	106.8

### Economic Impact Definitions

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- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 9

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$799.8 million (1.7%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
8,570 employees 1.4% of employment	11,080 employees 1.8% of employment	17

## Labor Income

Direct	Total	Industry Rank
\$269.3 million 1.0% of labor income	\$373.9 million 1.4% of labor income	25

## Economic Activity

Direct	Total	Industry Rank
\$484.7 million 1.0% of economic activity	\$799.8 million 1.7% of economic activity	40

## Tax Revenue

State/Local	Federal	Total
\$35.9 million	\$71.8 million	\$107.6 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 9

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$484.7	\$130.9	\$184.2	\$799.8	1.7%
Labor Income (in millions of dollars)	\$269.3	\$43.5	\$61.1	\$373.9	1.4%
Employment (jobs)	8,570	980	1,530	11,080	1.8%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$35.9	\$71.8	\$107.6	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	8,570	\$484.7
Real Estate Establishments	230	34.4
Imputed Rental Activity for Owner-Occupied Dwellings	0	26.6
Food Services and Drinking Places	280	15.3
Private Hospitals	100	13.7
Insurance Carriers	40	13.5
Wholesale Trade Businesses	50	12.0
Offices of Physicians, Dentists, and Other Health Care Providers	90	10.9
Management - Scientific and Technical Consulting	60	7.9
All Other Industries	1,660	180.8

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 10

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$496.1 million (2.5%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
5,500 employees 2.0% of employment	7,270 employees 2.6% of employment	12

## Labor Income

Direct	Total	Industry Rank
\$170.9 million 1.6% of labor income	\$229.1 million 2.1% of labor income	15

## Economic Activity

Direct	Total	Industry Rank
\$308.1 million 1.5% of economic activity	\$496.1 million 2.5% of economic activity	25

## Tax Revenue

State/Local	Federal	Total
\$23.3 million	\$42.2 million	\$65.5 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 10

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$308.1	\$78.0	\$109.9	\$496.1	2.5%
Labor Income (in millions of dollars)	\$170.9	\$23.9	\$34.3	\$229.1	2.1%
Employment (jobs)	5,500	700	1,070	7,270	2.6%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$23.3	\$42.2	\$65.5	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	5,500	\$308.1
Real Estate Establishments	180	22.1
Imputed Rental Activity for Owner-Occupied Dwellings	0	18.1
Food Services and Drinking Places	210	10.4
Offices of Physicians, Dentists, and Other Health Care Providers	70	8.0
Electric Power Generation, Transmission	10	7.9
Wholesale Trade Businesses	40	7.1
Private Hospitals	40	4.8
Insurance Carriers	10	4.5
All Other Industries	1,210	105.1

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 11

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$685.9 million (2.5%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
7,310 employees 2.0% of employment	9,550 employees 2.7% of employment	12

## Labor Income

Direct	Total	Industry Rank
\$232.2 million 1.4% of labor income	\$322.9 million 1.9% of labor income	18

## Economic Activity

Direct	Total	Industry Rank
\$414.5 million 1.5% of economic activity	\$685.9 million 2.5% of economic activity	27

## Tax Revenue

State/Local	Federal	Total
\$31.3 million	\$61.4 million	\$92.7 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 11

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$414.5	\$113.1	\$158.2	\$685.9	2.5%
Labor Income (in millions of dollars)	\$232.2	\$38.0	\$52.7	\$322.9	1.9%
Employment (jobs)	7,310	880	1,350	9,550	2.7%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$31.3	\$61.4	\$92.7	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	7,310	\$414.5
Real Estate Establishments	180	29.2
Imputed Rental Activity for Owner-Occupied Dwellings	0	22.4
Food Services and Drinking Places	240	13.2
Private Hospitals	80	11.3
Wholesale Trade Businesses	50	10.3
Insurance Carriers	30	9.6
Offices of Physicians, Dentists, and Other Health Care Providers	80	9.5
Electric Power Generation, Transmission	10	7.3
All Other Industries	1,570	158.6

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 12

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$620.1 million (2.0%) of the district's economic activity**

### Jobs

Direct	Total	Industry Rank
6,360 employees 1.7% of employment	8,460 employees 2.2% of employment	13

### Labor Income

Direct	Total	Industry Rank
\$211.8 million 1.2% of labor income	\$294.6 million 1.7% of labor income	20

### Economic Activity

Direct	Total	Industry Rank
\$372.6 million 1.2% of economic activity	\$620.1 million 2.0% of economic activity	33

### Tax Revenue

State/Local	Federal	Total
\$26.8 million	\$49.1 million	\$75.9 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 12

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$372.6	\$96.5	\$150.9	\$620.1	2.0%
Labor Income (in millions of dollars)	\$211.8	\$32.5	\$50.4	\$294.6	1.7%
Employment (jobs)	6,360	770	1,330	8,460	2.2%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$26.8	\$49.1	\$75.9	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	6,360	\$372.6
Real Estate Establishments	180	26.9
Imputed Rental Activity for Owner-Occupied Dwellings	0	21.2
Food Services and Drinking Places	230	12.3
Private Hospitals	90	11.3
Insurance Carriers	30	10.4
Wholesale Trade Businesses	50	9.5
Offices of Physicians, Dentists, and Other Health Care Providers	80	9.2
Electric Power Generation, Transmission	10	5.7
All Other Industries	1,430	141.0

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 13

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$447.5 million (1.8%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
5,100 employees 1.9% of employment	6,250 employees 2.4% of employment	12

## Labor Income

Direct	Total	Industry Rank
\$162.6 million 1.2% of labor income	\$212.4 million 1.6% of labor income	23

## Economic Activity

Direct	Total	Industry Rank
\$289.3 million 1.2% of economic activity	\$447.5 million 1.8% of economic activity	34

## Tax Revenue

State/Local	Federal	Total
\$15.7 million	\$29.8 million	\$45.5 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 13

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$289.3	\$76.5	\$81.7	\$447.5	1.8%
Labor Income (in millions of dollars)	\$162.6	\$24.3	\$25.5	\$212.4	1.6%
Employment (jobs)	5,100	540	620	6,250	2.4%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$15.7	\$29.8	\$45.5	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	5,100	\$289.3
Real Estate Establishments	100	16.2
Imputed Rental Activity for Owner-Occupied Dwellings	0	11.6
Food Services and Drinking Places	140	7.9
Insurance Carriers	20	7.2
Private Hospitals	50	6.9
Electric Power Generation, Transmission	10	6.5
Wholesale Trade Businesses	30	6.0
Petroleum Refineries	0	4.7
All Other Industries	800	91.2

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 14

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$521.0 million (3.4%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
5,590 employees 3.0% of employment	7,250 employees 3.8% of employment	7

## Labor Income

Direct	Total	Industry Rank
\$178.0 million 1.9% of labor income	\$245.7 million 2.6% of labor income	13

## Economic Activity

Direct	Total	Industry Rank
\$317.0 million 2.1% of economic activity	\$521.0 million 3.4% of economic activity	22

## Tax Revenue

State/Local	Federal	Total
\$22.0 million	\$40.2 million	\$62.1 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 14

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$317.0	\$74.1	\$130.0	\$521.0	3.4%
Labor Income (in millions of dollars)	\$178.0	\$25.0	\$42.7	\$245.7	2.6%
Employment (jobs)	5,590	580	1,080	7,250	3.8%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$22.0	\$40.2	\$62.1	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	5,590	\$317.0
Imputed Rental Activity for Owner-Occupied Dwellings	0	20.5
Real Estate Establishments	110	18.6
Food Services and Drinking Places	210	11.5
Wholesale Trade Businesses	40	8.8
Private Hospitals	60	8.7
Offices of Physicians, Dentists, and Other Health Care Providers	70	8.2
Insurance Carriers	20	5.6
Animal Slaughtering, Except Poultry	10	5.3
All Other Industries	1,140	116.8

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities Michigan Congressional District 15

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$618.7 million (2.3%) of the district's economic activity**

## Jobs

Direct	Total	Industry Rank
6,540 employees 1.8% of employment	8,520 employees 2.4% of employment	14

## Labor Income

Direct	Total	Industry Rank
\$214.5 million 1.2% of labor income	\$295.3 million 1.7% of labor income	17

## Economic Activity

Direct	Total	Industry Rank
\$377.3 million 1.4% of economic activity	\$618.7 million 2.3% of economic activity	24

## Tax Revenue

State/Local	Federal	Total
\$27.9 million	\$49.6 million	\$77.5 million

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities

## Michigan Congressional District 15

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total District Activity
Output (in millions of dollars)	\$377.3	\$100.8	\$140.6	\$618.7	2.3%
Labor Income (in millions of dollars)	\$214.5	\$33.9	\$46.9	\$295.3	1.7%
Employment (jobs)	6,540	760	1,210	8,520	2.4%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$27.9	\$49.6	\$77.5	

LTC facilities support other industries and sectors district-wide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	6,540	\$377.3
Real Estate Establishments	150	26.4
Imputed Rental Activity for Owner-Occupied Dwellings	0	20.5
Food Services and Drinking Places	220	12.1
Electric Power Generation, Transmission	10	9.8
Wholesale Trade Businesses	50	9.5
Offices of Physicians, Dentists, and Other Health Care Providers	70	8.9
Private Hospitals	70	8.8
Management - Scientific and Technical Consulting	40	5.6
All Other Industries	1,370	139.8

### Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.

# Economic Impact of Long Term Care Facilities United States

January, 2011

**Long Term Care (LTC) facilities\* support an estimated \$529.0 billion (3.7%) of the nation's economic activity**

## Jobs

Direct	Total	Industry Rank
3,121,960 employees 1.8% of employment	5,445,420 employees 3.2% of employment	10

## Labor Income

Direct	Total	Industry Rank
\$102.5 billion 1.3% of labor income	\$205.2 billion 2.6% of labor income	16

## Economic Activity

Direct	Total	Industry Rank
\$183.5 billion 1.3% of economic activity	\$529.0 billion 3.7% of economic activity	27

## Tax Revenue

State/Local	Federal	Total
\$22.2 billion	\$38.6 billion	\$60.9 billion

\*Long Term Care (LTC) facilities include nursing homes, assisted living, and other residential care facilities. These facilities do not include government-owned or hospital-based facilities.

Sources: Economic impact analysis: American Health Care Association using Impact Analysis for Planning (IMPLAN) software and data, Minnesota IMPLAN Group, Inc., 2009 data.

# Economic Impact of Long Term Care Facilities United States

January, 2011

Estimated Impact	Direct	Indirect	Induced	Total	% of Total State Activity
Output (in millions of dollars)	\$183,462.2	\$112,450.2	\$233,043.6	\$528,956.1	3.7%
Labor Income (in millions of dollars)	\$102,502.5	\$32,550.4	\$70,143.9	\$205,196.8	2.6%
Employment (jobs)	3,121,960	704,970	1,618,480	5,445,420	3.2%
<b>Estimated Impact</b>		<b>State/Local</b>	<b>Federal</b>	<b>Total</b>	
Tax Revenue (in millions of dollars)		\$22,236.3	\$38,630.1	\$60,866.4	

LTC facilities support other industries and sectors statewide...

Industry/Sector	Estimated Impact	
	Employment (jobs)	Economic Activity (in millions \$)
Nursing and Residential Care Facilities	3,121,960	\$183,462.2
Real Estate Establishments	180,130	26,020.1
Imputed Rental Activity for Owner-Occupied Dwellings	0	17,402.8
Wholesale Trade Businesses	72,830	14,420.5
Insurance Carriers	37,630	12,055.7
Food Services and Drinking Places	179,520	10,430.9
Private Hospitals	61,710	8,488.3
Offices of Physicians, Dentists, and Other Health Care Providers	63,610	8,077.3
Petroleum Refineries	860	8,051.4
All Other Industries	1,727,170	240,546.9

## Economic Impact Definitions

- **Direct Effect** represents the impact (e.g., change in employment or revenues) for the expenditures and/or production values specified as directed final demand changes.
- **Indirect Effect** represents the impact (e.g., change in employment or revenues) caused by the iteration of industries purchasing from industries resulting from direct final demand changes.
- **Induced Effect** represents the impacts on all local industries caused by the expenditures of new household income generated by the direct and indirect effects of final demand changes.
- **Total Impact** is the sum of the direct, indirect and induced effects.
- **Labor Income** is the sum of employee compensation and proprietary income.