



Ohio Board of Nursing

www.nursing.ohio.gov

17 S. High Street, Suite 660 • Columbus, Ohio 43215-3466 • 614-466-3947

MEMORANDUM

TO: Board Members

FROM: Lisa Emrich, Program Manager

DATE: November 9, 2020

RE: NEALP Recommendations

As discussed in the NEALP Report Memorandum, the Board is to provide a recommendation to the Chancellor of the Ohio Department of Higher Education (ODHE) regarding NEALP funding for the 2021-2022 school year.

For the past several years, the Board has recommended prioritizing funding for graduate education to prepare future nursing faculty, followed by RN education applicants, and then PN education applicants if there are remaining funds available. These recommendations were based on the nursing workforce employment projections for Ohio and nursing education program information.

In its FY20 Annual Report, ODHE reports a new category of RN loans for post licensure nursing education. These are funded at the same level of pre-license RN education, currently \$1,620.00 per year, and do not meet criteria for MNE funding levels. These RN Program applicants are making progress towards a MNE.

Occupational and Licensure Data for Ohio 2016-2026

The Bureau of Labor Market Information of the Ohio Department of Job and Family Services publishes occupational employment projections for Ohio. Its most recent report is the “Ohio Occupational Employment Projections Report, 2016-2026.”

The annual employment for RNs in 2016 was 129,954. By 2026 the employment projection for RNs is 148,344, a projected growth of 18,390 (14.2%). Total annual openings are estimated to total 8,848 (1,839 growth; 3,984 exits; 3,025 transfers).

The annual employment for LPNs in 2016 was 40,254. By 2026 the employment projection for LPNs is 44,069, a projected growth of 3,815 (9.5%) from 2016. Total annual openings are estimated to total 3,334 (382 growth; 1,487 exits; 1,465 transfers).

National Occupational and Licensure Projections 2016-2026

The U.S. Bureau of Labor Statistics, Occupational Outlook Handbook (last modified September 4, 2019) reports the national employment projections to 2028 for LPNs, RNs and APRNs as indicated below.

Licensure	National 2018 Employment	National 2028 Employment Projections	Percent Projected Increase
LPN/LVN	728,900	807,000	11%
RN	3,059,800	3,431,300	12%
APRN	240,700	302,700	26%

Ohio Workforce Data Summary Report October 2018 – LPNs

Workforce data was collected during LPN renewal that ended October 31, 2018. The data collected provided information regarding the 48,554 LPNs who renewed their license and responded about their plans for RN education.

- 15,321 (32%) reported plans to become a RN
- 5,747 (11%) reported current enrollment to become a RN
- 3,992 (15%) reported financial barriers as reason for not obtaining RN education

Ohio Pre-licensure Nursing Education Program Data

Due to the current COVID-19 conditions, the Education Program Annual Report due date was changed from July to November, and that data is not yet available. Below is data reported to the Board last year relative to faculty and teaching assistant turnover.

RN programs reported:

- 150 faculty members and teaching assistants left their positions during the year
- 792 faculty members and teaching assistants projected to leave their positions in the next five years
- 325 faculty and teaching assistants are actively pursuing a master's degree in nursing
- 8,449 individuals successfully completed RN programs during the year

PN programs reported:

- 84 faculty members and teaching assistants left their positions during the year
- 322 faculty members and teaching assistants projected to leave their positions in the next five years
- 85 faculty and teaching assistants are actively pursuing a master's degree in nursing
- 3,067 individuals successfully completed PN programs during the year

Considerations for Board Funding Recommendation

The ODHE Chancellor is authorized to determine distribution of the NEALP funds, upon considering the recommendations of the Board. The national projected employment data, and the state's need for nurses, especially graduate-level nurse educators, provide a basis for a recommendation for the next school year.

Last year's Board recommendation was to provide NEALP funding for applicants who are pursuing graduate education to become nursing faculty, then for applicants for RN education programs, and if funds are available, for pre-licensure PN applicants.

Ohio Occupational Employment* Projections Report, 2016-2026 - cont'd.

Code	Occupational Title**	Employment		Change in Employment		Annual Openings				Median Wage*** May 2017
		2016 Annual	2026 Projected	2016-2026	Percent	Growth	Exit	Transfers	Total	
29-0000	Healthcare Practitioners & Technical Occupations	371,975	418,231	46,256	12.4%	4,626	18,557	10,183	25,246	\$28.29
29-1011	Chiropractors	1,059	1,804	745	8.1%	14	29	14	57	\$37.37
29-1021	Dentists, General	4,001	4,480	479	12.0%	48	78	32	158	\$84.51
29-1022	Oral and Maxillofacial Surgeons	278	309	33	12.0%	3	5	2	10	N/A
29-1023	Orthodontists	325	364	39	12.0%	4	6	3	13	N/A
29-1029	Dentists, All Other Specialists	377	421	44	11.7%	4	7	3	14	\$91.75 †††
29-1031	Dietitians and Nutritionists	2,534	2,802	268	10.6%	27	84	76	187	\$27.59
29-1041	Optomatrists	1,232	1,393	161	13.1%	10	22	17	55	\$65.58
29-1051	Pharmacists	12,779	13,498	717	5.6%	72	303	263	828	\$57.98
29-1061	Anesthesiologists	1,325	1,409	84	6.3%	8	20	15	43	N/A
29-1062	Family and General Practitioners	4,523	4,849	326	7.2%	33	89	52	154	\$91.12
29-1063	Internists, General	3,044	3,238	194	6.4%	19	46	35	100	\$92.75 †
29-1064	Obstetricians and Gynecologists	1,180	1,270	90	6.7%	8	18	14	40	N/A
29-1065	Pediatricians, General	1,479	1,577	98	6.8%	10	22	17	49	\$75.41
29-1066	Psychiatrists	1,489	1,575	86	7.2%	11	22	17	50	\$89.33
29-1067	Surgeons	2,503	2,666	163	6.5%	16	38	28	82	N/A
29-1069	Physicians and Surgeons, All Other	15,627	16,793	1,166	7.5%	117	238	179	534	N/A
29-1071	Physician Assistants	3,198	4,188	991	31.0%	99	64	131	294	\$49.40
29-1081	Podiatrists	727	771	44	6.1%	4	17	20	41	\$60.33
29-1122	Occupational Therapists	4,925	5,963	1,038	21.1%	104	112	151	367	\$40.13
29-1123	Physical Therapists	8,152	9,804	1,752	21.5%	175	174	188	537	\$41.25
29-1124	Radiation Therapists	619	677	58	9.4%	6	18	14	38	\$35.79
29-1125	Recreational Therapists	363	372	9	2.5%	1	10	10	21	\$22.57
29-1126	Respiratory Therapists	6,647	8,187	1,540	23.0%	164	173	167	504	\$28.49
29-1127	Speech-Language Pathologists	5,342	6,247	905	16.9%	90	105	100	295	\$35.86
29-1128	Exercise Physiologists	492	547	55	11.2%	6	12	15	33	\$22.85
29-1129	Therapists, All Other	1,319	1,515	196	14.9%	20	34	41	95	\$31.55
29-1131	Veterinarians, All Other	3,337	3,443	106	3.2%	11	83	65	129	\$44.27
29-1141	Registered Nurses	129,954	148,344	18,390	14.2%	1,830	3,584	3,075	8,448	\$30.43
29-1151	Nurse Anesthetists	2,598	2,853	257	9.9%	25	37	30	92	\$72.73
29-1161	Nurse Midwives	245	270	25	10.2%	2	5	7	14	\$48.21
29-1171	Nurse Practitioners	6,757	8,767	2,010	29.7%	204	350	277	631	\$47.65
29-1181	Audiologists	636	735	99	15.6%	10	17	13	40	\$34.07
29-1199	Health Diagnosing and Treating Practitioners, All Other	1,577	1,785	208	13.2%	19	67	17	103	\$38.03
29-2011	Medical and Clinical Laboratory Technologists	6,903	7,565	662	9.6%	66	219	219	504	▲
29-2012	Medical and Clinical Laboratory Technicians	6,380	6,984	604	9.5%	60	202	202	464	▲
29-2021	Dental Hygienists	7,905	8,795	890	11.3%	89	302	187	578	\$32.74
29-2031	Cardiovascular Technologists and Technicians	2,348	2,594	246	10.5%	25	64	62	151	\$28.58
29-2032	Diagnostic Medical Sonographers	2,188	2,615	427	19.6%	43	62	60	165	\$30.30
29-2033	Nuclear Medicine Technologists	917	1,002	85	9.3%	8	25	24	57	\$33.70
29-2034	Radiologic Technologists	8,873	9,879	1,006	11.3%	81	240	231	552	\$28.38
29-2035	Magnetic Resonance Imaging Technologists	1,433	1,570	137	9.6%	14	39	37	90	\$31.12
29-2041	Emergency Medical Technicians and Paramedics	11,104	12,401	1,297	11.7%	130	205	483	818	\$14.11
29-2051	Dietetic Technicians	672	714	42	6.3%	4	22	31	57	\$14.23
29-2052	Pharmacy Technicians	16,427	18,263	1,836	11.2%	184	561	769	1,514	\$13.82

Ohio Occupational Employment* Projections Report, 2016-2026 - cont'd.

Code	Occupational Title**	Employment		Change in Employment		Growth	Annual Openings			Median Wage*** May 2017
		2016 Annual	2026 Projected	2016-2026	Percent		Exit	Transfers	Total	
29-2053	Psychiatric Technicians	1,216	1,342	126	10.4%	13	42	57	112	\$15.90
29-2056	Surgical Technologists	4,078	4,439	361	8.9%	36	138	109	283	\$20.67
29-2056	Veterinary Technologists and Technicians	3,368	3,457	89	2.6%	9	111	151	271	\$15.12
29-2057	Ophthalmic Medical Technicians	1,708	1,881	175	10.3%	16	58	80	156	\$17.03
29-2061	Licensed Practical and Licensed Vocational Nurses	40,254	44,060	3,815	9.5%	382	1,487	1,465	3,334	\$20.21
29-2071	Medical Records and Health Information Technicians	9,365	10,638	1,273	13.6%	127	293	298	718	\$18.09
29-2091	Opticians, Dispensing	3,032	3,402	370	12.2%	37	107	119	263	\$17.98
29-2092	Hearing Aid Specialists	415	480	65	15.7%	6	12	15	33	\$27.84
29-2099	Health Technologists and Technicians, All Other	4,478	5,014	536	12.0%	54	132	157	343	\$18.25
29-9011	Occupational Health and Safety Specialists	4,039	4,259	220	5.4%	27	92	114	228	\$33.67
29-9012	Occupational Health and Safety Technicians	839	883	44	5.2%	4	19	24	47	\$24.56
29-9091	Athletic Trainers	1,267	1,488	219	17.3%	22	31	38	91	\$46,570 ft
29-9092	Genetic Counselors	112	135	23	20.6%	2	3	3	8	\$32.02
29-9099	Healthcare Practitioners and Technical Workers, All Other	736	817	81	11.0%	8	17	21	46	\$27.35
31-0000	Healthcare Support Occupations	204,376	248,724	44,348	21.7%	4,435	17,977	12,257	29,669	\$12.32
31-1011	Home Health Aides	67,055	86,334	19,279	28.7%	2,928	4,963	4,129	12,020	\$10.33
31-1013	Psychiatric Aides	1,354	1,477	123	9.1%	12	86	72	170	\$18.36
31-1014	Nursing Assistants	68,537	72,119	3,582	5.2%	358	4,272	3,554	8,184	\$12.54
31-1015	Orderlies	2,281	2,450	169	7.4%	17	144	120	281	\$12.38
31-2011	Occupational Therapist Assistants	3,467	4,419	952	27.5%	95	198	263	578	\$28.19
31-2021	Physical Therapist Assistants	6,246	7,953	1,707	27.3%	171	311	523	1,005	\$27.63
31-2022	Physical Therapist Aides	923	1,100	177	19.2%	18	44	74	136	\$13.10
31-9011	Massage Therapists	3,175	4,028	853	26.9%	85	236	129	450	\$16.68
31-9091	Dental Assistants	10,580	11,748	1,168	11.0%	117	570	639	1,326	\$17.58
31-9092	Medical Assistants	23,153	27,790	4,637	20.0%	464	1,118	1,564	3,148	\$14.72
31-9093	Medical Equipment Preparers	2,249	2,454	205	9.1%	20	147	140	307	\$15.92
31-9094	Medical Transcriptionists	2,209	2,027	-182	-8.2%	-18	141	107	230	\$17.57
31-9095	Pharmacy Aides	759	717	-42	-5.5%	-4	49	50	95	\$12.77
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	2,740	2,827	87	3.2%	9	161	260	430	\$11.72
31-9097	Phlebotomists	5,486	6,811	1,325	24.2%	112	281	349	722	\$15.56
31-9099	Healthcare Support Workers, All Other	4,090	4,591	501	12.2%	50	272	259	581	\$16.26
33-0000	Protective Service Occupations	118,151	120,312	2,161	1.8%	212	5,926	6,051	12,789	\$19.19
33-1011	First-Line Supervisors/Mgrs of Correctional Officers	692	632	-60	-10.1%	-6	17	19	30	\$30.98
33-1012	First-Line Superv/Mgrs of Police & Detectives	2,546	2,614	68	2.7%	7	72	80	159	\$38.22
33-1021	Fl. Sup/Mgrs of Fire Fighting & Prev. Workers	2,428	2,493	65	2.7%	6	83	75	164	\$34.20
33-1099	First-Line Sup/Mgrs, Protective Serv. Work., AO	2,635	2,739	104	3.9%	10	123	134	267	\$18.84
33-2011	Fire Fighters	18,899	19,395	496	2.6%	50	429	811	1,290	\$22.29
33-3011	Bailiffs	1,466	1,390	-76	-5.2%	-8	50	64	106	\$21.20
33-3012	Correctional Officers and Jailers	13,171	11,645	-1,526	-11.6%	-163	438	558	843	\$20.81
33-3021	Detectives and Criminal Investigators	2,110	2,179	69	3.3%	7	57	75	139	\$31.49
33-3031	Fish and Game Wardens	149	147	-2	-1.3%	0	8	5	13	\$28.99
33-3041	Parking Enforcement Workers	161	99	-62	-38.5%	-6	7	4	5	\$18.22
33-3051	Police and Sheriff's Patrol Officers	24,743	25,370	627	2.5%	63	605	976	1,644	\$29.21
33-3052	Transit and Railroad Police	249	255	6	2.4%	1	6	10	17	\$30.00
33-9011	Animal Control Workers	346	361	15	4.3%	2	16	21	39	\$15.63

OCCUPATIONAL OUTLOOK HANDBOOK

 G

Occupational Outlook Handbook > Healthcare >

Nurse Anesthetists, Nurse Midwives, and Nurse Practitioners

PRINTER FRIENDLY

- Summary
- What They Do
- Work Environment
- How to Become One
- Pay
- Job Outlook
- State & Area Data
- Similar Occupations
- More Info

Job Outlook

About this section

Overall employment of nurse anesthetists, nurse midwives, and nurse practitioners is projected to grow 26 percent from 2018 to 2028, much faster than the average for all occupations. Employment growth will vary by occupation. However, because nurse midwives is a small occupation, the fast growth will result in only about 1,000 new jobs over the 10-year period.

Growth will occur because of an increase in the demand for healthcare services. Several factors will contribute to this demand, including an increased emphasis on preventive care and demand for healthcare services from the aging population.

Advanced practice registered nurses (APRNs) can perform many of the same services as physicians. APRNs will be increasingly utilized in team-based models of care, particularly in hospitals, offices of physicians, clinics, and other ambulatory care settings, where they will be needed to provide preventive and primary care.

APRNs will also be needed to care for the large, aging baby-boom population. As baby boomers age, they will experience ailments and complex conditions that require medical care. APRNs will be needed to keep these patients healthy and to treat the growing number of patients with chronic and acute conditions.

As states change their laws governing APRN practice authority, APRNs are being allowed to perform more services. They are also becoming more widely recognized by the public as a source for primary healthcare.

Job Prospects

Overall, job opportunities for advanced practice registered nurses are likely to be excellent. APRNs will be in high demand, particularly in medically underserved areas such as inner cities and rural areas.

Employment projections data for nurse anesthetists, nurse midwives, and nurse practitioners, 2018-28

Occupational Title	SOC Code	Employment, 2018	Projected Employment, 2028	Change, 2018-28		Employment by Industry
				Percent	Numeric	
Nurse anesthetists, nurse midwives, and nurse practitioners	—	240,700	302,700	26	62,000	
Nurse anesthetists	29-1151	45,000	52,700	17	7,600	Get data
Nurse midwives	29-1161	6,500	7,600	16	1,000	Get data
Nurse practitioners	29-1171	189,100	242,400	28	53,300	Get data

SOURCE: U.S. Bureau of Labor Statistics, Employment Projections program

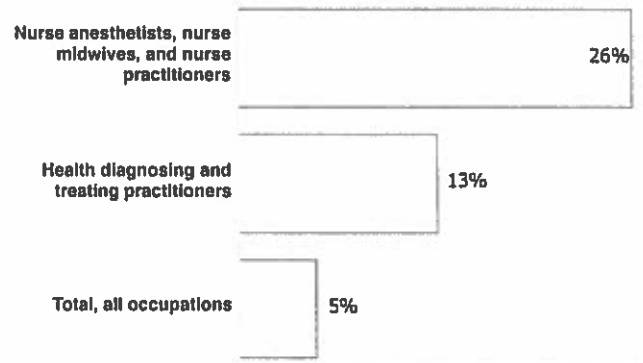
[<- Pay](#)

[State & Area Data](#)

SUGGESTED CITATION:

Nurse Anesthetists, Nurse Midwives, and Nurse Practitioners

Percent change in employment, projected 2018-28



Note: All Occupations includes all occupations in the U.S. Economy.

Source: U.S. Bureau of Labor Statistics, Employment Projections program

OCCUPATIONAL OUTLOOK HANDBOOK

Occupational Outlook Handbook > Healthcare >

Registered Nurses

PRINTER-FRIENDLY

Summary	What They Do	Work Environment	How to Become One	Pay	Job Outlook	State & Area Data	Similar Occupations	More In
-------------------------	------------------------------	----------------------------------	-----------------------------------	---------------------	-----------------------------	---------------------------------------	-------------------------------------	-------------------------

Job Outlook

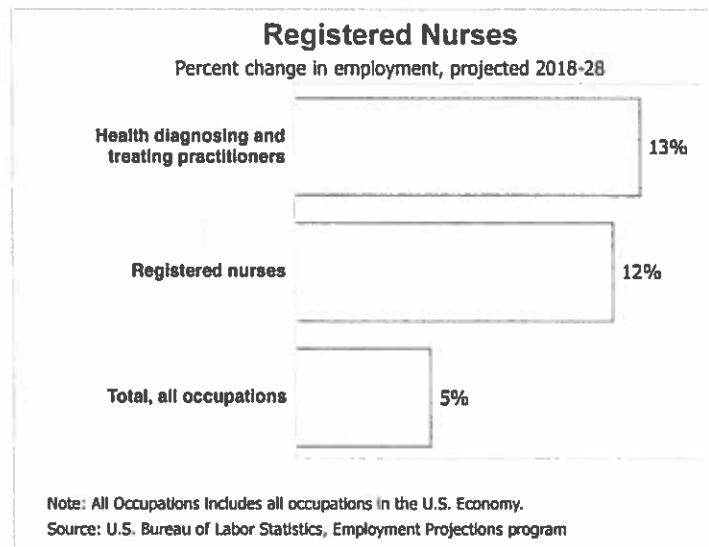
[About this section](#)

Employment of registered nurses is projected to grow 12 percent from 2018 to 2028, much faster than the average for all occupations. Growth will occur for a number of reasons.

Demand for healthcare services will increase because of the aging population, given that older people typically have more medical problems than younger people. Nurses also will be needed to educate and care for patients with various chronic conditions, such as arthritis, dementia, diabetes, and obesity.

The financial pressure on hospitals to discharge patients as soon as possible may result in more people being admitted to long-term care facilities and outpatient care centers, and greater need for healthcare at home. Job growth is expected in facilities that provide long-term rehabilitation for stroke and head injury patients, and in facilities that treat people with Alzheimer's disease. In addition, because many older people prefer to be treated at home or in residential care facilities, registered nurses will be in demand in those settings.

Growth is also expected to be faster than average in outpatient care centers, where patients do not stay overnight, such as those which provide same-day chemotherapy, rehabilitation, and surgery. In addition, an increased number of procedures, as well as more sophisticated procedures previously done only in hospitals, are being performed in ambulatory care settings and physicians' offices.



Job Prospects

Overall, job opportunities for registered nurses are expected to be good because of employment growth and the need to replace workers who retire over the coming decade. However, the supply of new nurses entering the labor market has increased in recent years. This increase has resulted in competition for jobs in some areas of the country. Generally, registered nurses with a Bachelor of Science degree in nursing (BSN) will have better job prospects than those without one. Employers also may prefer candidates who have some related work experience or certification in a specialty area, such as gerontology.

Employment projections data for registered nurses, 2018-28

Occupational Title	SOC Code	Employment, 2018	Projected Employment, 2028	Change, 2018-28		Employment by Industry
				Percent	Numeric	
Registered nurses	29-1141	3,059,800	3,431,300	12	371,500	Get data

SOURCE: U.S. Bureau of Labor Statistics, Employment Projections program

[<- Pay](#)

[State & Area Data](#)

SUGGESTED CITATION:
Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Registered Nurses, on the Internet at <https://www.bls.gov/ooh/healthcare/registered-nurses.htm> (visited October 30, 2019).

Last Modified Date: Wednesday, September 4, 2019

OCCUPATIONAL OUTLOOK HANDBOOK

Occupational Outlook Handbook > Healthcare >

Licensed Practical and Licensed Vocational Nurses

[PRINTER-FRIENDLY](#)

Summary	What They Do	Work Environment	How to Become One	Pay	Job Outlook	State & Area Data	Similar Occupations	More In
-------------------------	------------------------------	----------------------------------	-----------------------------------	---------------------	-----------------------------	---------------------------------------	-------------------------------------	-------------------------

Job Outlook

[About this section](#)

Employment of licensed practical and licensed vocational nurses (LPNs and LVNs) is projected to grow 11 percent from 2018 to 2028, much faster than the average for all occupations.

As the baby-boom population ages, the overall need for healthcare services is expected to increase. LPNs and LVNs will be needed in residential care facilities and in home health environments to care for older patients.

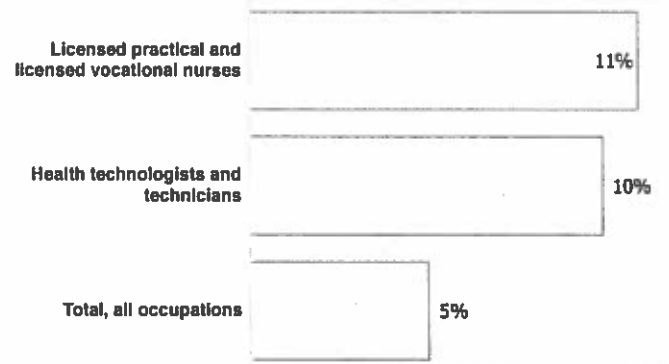
A number of chronic conditions, such as diabetes and obesity, have become more prevalent in recent years. LPNs and LVNs will be needed to assist and care for patients with these and other conditions. In addition, many procedures that once could be done only in hospitals are now being done outside of hospitals, creating demand in other settings, such as outpatient care centers.

Job Prospects

Job prospects should be favorable for LPNs and LVNs who are willing to work in rural and medically underserved areas. Employers also may prefer candidates who have certification in a specialty area such as gerontology or intravenous (IV) therapy.

Licensed Practical and Licensed Vocational Nurs

Percent change in employment, projected 2018-28



Note: All Occupations includes all occupations in the U.S. Economy.
Source: U.S. Bureau of Labor Statistics, Employment Projections program

Employment projections data for licensed practical and licensed vocational nurses, 2018-28

Occupational Title	SOC Code	Employment, 2018	Projected Employment, 2028	Change, 2018-28		Employment by Industry
				Percent	Numeric	
Licensed practical and licensed vocational nurses	29-2061	728,900	807,000	11	78,100	Get more data

SOURCE: U.S. Bureau of Labor Statistics, Employment Projections program

[<- Pay](#)

[State & Area Data](#)

SUGGESTED CITATION:

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook*, Licensed Practical and Licensed Vocational Nurses, on the Internet at <https://www.bls.gov/ooh/healthcare/licensed-practical-and-licensed-vocational-nurses.htm> (visited October 12, 2019).

Last Modified Date: Wednesday, September 4, 2019

RECOMMEND THIS PAGE USING: [Facebook](#) [Twitter](#) [LinkedIn](#)

TOOLS
Areas at a Glance

CALCULATORS
Inflation

HELP
Help & Tutorials

INFO
What's New

RESOURCES
Inspector General (OIG)

ABOUT THIS SITE
Freedom of Information Act