

## Indy Big Data Visualization Challenge 2018 Improving Indiana's Talent Pipeline and Workforce

In addressing this data challenge, we set out to answer the following key research questions: - What will be the top jobs in demand in 10 years? - What is the education requirement for those top in demand jobs? - What is the earning potential of those top in demand jobs? - What is the returm on investment on education for thoses top in demand jobs? The data below is our attempt at answering these questions and perhaps raising new questions.

Based on the data and information collected, we have 5 recommendations in the second tab.

The data sources are included in the third tab.

## What are Indiana's Top Projected Jobs in 10 Years?

Indiana's ton projected	jobs are primarily	in the <b>healthcare</b>	food service	, and <b>business</b> industries.

Ranking By Expected Numeric Change in Projected Jobs (Hover for More)			Ranking By Expected Percentage Change in Projected Jo (Hover for More)			
Combined Food Preparation and Serving Workers, Includ.	12,943	1	Wind Turbine Service Technicians	71%		
Personal Care Aides	10,749	2	Home Health Aides	49%		
Registered Nurses	10,704	3	Physician Assistants	40%		
Laborers and Freight, Stock, and Material Movers, Hand	7,669	4	Nurse Practitioners	39%		
Home Health Aides	6,578	5	Personal Care Aides	37%		
Janitors and Cleaners, Except Maids and Housekeeping C	4,922	6	Software Developers, Applications	37%		
General and Operations Managers	4,678	7	Occupational Therapy Assistants	34%		
HelpersProduction Workers	4,022	8	Physical Therapist Assistants	32%		
Heavy and Tractor-Trailer Truck Drivers	3,742	9	Statisticians	31%		
0 Medical Assistants	3,596	1	0 Physical Therapist Aides	30%		
1 Nursing Accistants	2 202		1 Theranists All Other	200/		

## What are the Education Level Requirements for Indiana's Top Jobs?



The expected average timeframe it takes to pay off the cost of education is about **2.3 years**. The average expected return on investment for all jobs is **\$1,381,514**.

Years to Payoff Post-Secondary Education and ROI by Job		ROI for the Top 25 Projecter <sup>Nu</sup>	umeric Change		
(Hover over headings to sele	ct icon to sor	t rows)		Years to Payoff	
lob	Years to Pav	ROI	1 Combined Food Preparation and Serving Workers, Including	0.0	
Family and General Practitioners	4.3	\$5,621,717	2 Personal Care Aides	1.3	
Pediatricians, General	3.6	\$5,446,590	3 Registered Nurses	5.7	
		1.7 .7	4 Laborers and Freight, Stock, and Material Movers, Hand	0.0	
Nurse Anesthetists	4.3	\$4,748,296	5 Home Health Aides	0.0	
Dentists, General	4.3	\$4,711,614	6 Janitors and Cleaners, Except Maids and Housekeeping Cle.	0.0	
Podiatrists	6.8	\$4,674,435	7 General and Operations Managers	1.0	
· · · · · · · · · · · · · · · · · · ·		\$4,219,387	8 HelpersProduction Workers	0.0	
ludges, Magistrate Judges, and Magistrat.			9 Heavy and Tractor-Trailer Truck Drivers	0.0	
ledical Scientists, Except Epidemiologists	7.3	\$3,797,665	10 Medical Assistants	0.8	
Chief Executives	6.5	\$3,634,395	11 Nursing Assistants	0.0	
Pharmacists	4.9	\$3,581,630	12 Maintenance and Repair Workers, General 13 Software Developers, Applications	0.0	
conomics Teachers, Postsecondary	6.1	\$3,364,047	13 Software Developers, Applications 14 Waiters and Waitresses	4.4	
Architectural and Engineering Managers	3.1	\$3,357,193	14 Walters and Waltesses 15 Cooks, Restaurant	0.0	
		1.1	16 Medical Secretaries	0.8	
Sales Managers	0.7	\$3,330,960	17 Landscaping and Groundskeeping Workers	0.0	
Computer and Information Systems Man	3.3	\$3,231,410	18 Construction Laborers	0.0	
Administrative Law Judges, Adjudicators,	9.1	\$3,126,663	19 Customer Service Representatives	0.9	
Airline Pilots, Copilots, and Flight Engine	4.3	\$3,117,575	20 Accountants and Auditors	6.5	
Nurse Midwives	5.4	\$3,097,424	21 Industrial Truck and Tractor Operators	0.0	
		1.7	22 Sales Representatives, Wholesale and Manufacturing, Exce	1.3	
inancial Managers	4.3	\$3,046,223	23 Packers and Packagers, Hand	0.0	
Engineering Teachers, Postsecondary	7.1	\$2,995,335	24 First-Line Supervisors of Production and Operating Workers	0.6	
Physician Assistants	3.8	\$2,930,737	25 Stock Clerks and Order Fillers	0.0	

Developed by Transform Consulting Group for the Indy Big Data Visualization Challenge. September 26, 2018