

Pennsylvania

INDICATOR	RANK	SCORE
Overall	21	63.6
KNOWLEDGE JOBS	16	10.0
IT Professionals Score	21	1.23%
<i>Employment in IT occupations in non-IT industries as a share of total jobs.</i>		
Managerial, Professional, and Technical Jobs	12	21.9%
<i>Managers, professionals, and technicians as a share of the total workforce.</i>		
Workforce Education	32	37.1
<i>A weighted measure of the educational attainment (advanced degrees, bachelor's degrees, associate's degrees, or some college coursework) of the workforce.</i>		
Immigration of Knowledge Workers	21	13.7
<i>The average educational attainment of recent migrants from abroad.</i>		
Manufacturing Value-Added	18	28.3%
<i>The percentage of a state's manufacturing workforce employed in sectors in which the value-added per production hour worked is above the sector's national average.</i>		
High-Wage Traded Services	14	14.5%
<i>The share of employment in traded service sectors in which the average wage is above the national median for traded services.</i>		
GLOBALIZATION	24	9.4
Export Focus of Manufacturing and Services	36	\$15,985
<i>The value of exports per manufacturing and service worker.</i>		
Foreign Direct Investment	18	3.2%
<i>The percentage of each state's workforce employed by foreign companies.</i>		
Package Exports	17	0.15
<i>The number of UPS packages exported per worker.</i>		
ECONOMIC DYNAMISM	28	8.4
"Gazelle" Jobs	13	8.7%
<i>Jobs in gazelle companies (firms with annual sales revenue that has grown 20 percent or more for four straight years) as a share of total employment.</i>		
Job Churning	26	24.1%
<i>The number of new start-ups and business failures, combined, as a share of the total firms in each state.</i>		
Fastest Growing Firms	15	0.023%
<i>The number of Deloitte Technology Fast 500 and Inc. 500 firms as a share of total firms.</i>		
Initial Public Offerings	18	4.82
<i>A weighted measure of the number and value of initial public stock offerings of companies as a share of total worker earnings.</i>		
Entrepreneurial Activity	48	0.18%
<i>The adjusted number of entrepreneurs starting new businesses.</i>		
Inventor Patents	25	0.073
<i>The number of independent inventor patents per 1000 people.</i>		

DIGITAL ECONOMY	29	9.5
Online Population <i>Internet users as a share of the population.</i>	26	59.7%
Internet Domain Names <i>The number of Internet domain names (.com, .net, and .org) per firm.</i>	30	2.18
Technology In Schools <i>A weighted measure of three factors measuring computer and Internet use in schools.</i>	20	5.36
E-Government <i>A measure of the utilization of digital technologies in state governments.</i>	16	5.49
Online Agriculture <i>A measure of the percentage of farmers with Internet access and using computers for business.</i>	38	4.62
Broadband Telecommunications <i>A weighted measure of the deployment of residential and business broadband lines.</i>	22	4.45

INNOVATION CAPACITY	19	9.4
High-Tech Jobs <i>Jobs in electronics manufacturing, software and computer-related services, telecommunications, and biomedical industries as a share of total employment.</i>	21	3.7%
Scientists and Engineers <i>Scientists and engineers as a percentage of the workforce.</i>	14	0.46%
Patents <i>The number of patents issued to companies or individuals per 1,000 workers.</i>	22	0.54
Industry Investment in R&D <i>Industry-performed research and development as a percentage of total worker earnings.</i>	13	3.10%
Venture Capital <i>Venture capital invested as a share of worker earnings.</i>	14	0.20%