

EDAM[®]

Enterprise Document Assessment Methodology

Global Pharmaceutical Office Documents Costs

The data represented in this report is summarized for simplicity. It is based on our independent assessments, research and computational analysis encompassing more than 250 published government, academic, and industry research data sources.

We studied the impact of 65 global pharmaceutical companies staffed by 1,917,208 full-time equivalent employees, that during 2018 will produce some 10.7 billion office documents with a predicted fully burden cost just over \$6.1 billion dollars. We then showcased the Top 20 herein.

This document is intended for discussion purposes and hopefully you are intrigued to learn more.

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EDAM® Global Top 20 Predicted Office Document Volumes & Costs

According to IFPMA - International Foundation of Pharmaceutical Manufacturers Association it takes 10 to 15 years of research and development to create 1 new medicine or vaccine. In 2018, \$155 billion dollars will be spent by research-based pharmaceutical companies. The United States share of the global market will increase to 41% in 2020, while Europe's share will fall to 13.1% in 2020.



134,000
Employees
FTE



711,690,836
Office Documents
Produced



\$ 406,575,214
Office Document
Costs



85,402
Trees Consumed
for Office Paper



126,000
Employees
FTE



534,588,849
Office Documents
Produced



\$ 306,094,214
Office Document
Costs



64,150
Trees Consumed
for Office Paper



108,207
Employees
FTE



625,585,547
Office Documents
Produced



\$ 355,022,777
Office Document
Costs



75,070
Trees Consumed
for Office Paper



106,566
Employees
FTE



595,135,028
Office Documents
Produced



\$ 339,782,853
Office Document
Costs



71,416
Trees Consumed
for Office Paper



99,512
Employees
FTE



456,124,678
Office Documents
Produced



\$ 258,761,936
Office Document
Costs



54,734
Trees Consumed
for Office Paper

EDAM® Global 20 Predicted Office Document Volumes & Costs

Today, the cost of developing a successful medicine can exceed, according to some studies, \$ 2.6 billion dollars compared to \$179 million in 1970's. Of all industrial sectors, the pharmaceutical industry has consistently invested the most in R&D. Compared with other high-technology industries, the annual spending by the pharmaceutical industry is 5.5 times greater than that of the aerospace and defense industries, 5 times more than that of the chemicals industry, and 1.8 times more than that of the computer related industries.



Abbott



99,000
Employees
FTE



517,451,611
Office Documents
Produced



\$ 297,300,091
Office Document
Costs



62,094
Trees Consumed
for Office Paper



98,462
Employees
FTE



55,4011,769
Office Documents
Produced



\$ 315,528,183
Office Document
Costs



66,481
Trees Consumed
for Office Paper



93,734
Employees
FTE



537,958,683
Office Documents
Produced



\$ 307,846,938
Office Document
Costs



64,555
Trees Consumed
for Office Paper



90,200
Employees
FTE



553,556,549
Office Documents
Produced



\$ 316,044,284
Office Document
Costs



66,426
Trees Consumed
for Office Paper



MERCK



56,100
Employees
FTE



240,943,089
Office Documents
Produced



\$ 136,491,158
Office Document
Costs



28,913
Trees Consumed
for Office Paper

EDAM® Global 20 Predicted Office Document Volumes & Costs

In the United States, R&D investments of pharmaceutical companies have grown consistently over the past 15 years, and more than doubled the publicly-funded National Institutes of Health's (NIH). During the last 5 years, the global pharmaceutical industry registered over 10,000 patents through the Patent Cooperation Treaty (PCT) of the World Intellectual Property Organization.

AstraZeneca



61,100
Employees
FTE



391,987,593
Office Documents
Produced



\$ 222,854,025
Office Document
Costs



47,039
Trees Consumed
for Office Paper



52,000
Employees
FTE



273,183,234
Office Documents
Produced



\$ 155,119,782
Office Document
Costs



32,782
Trees Consumed
for Office Paper

teva



51,800
Employees
FTE



293,113,644
Office Documents
Produced



\$ 167,422,566
Office Document
Costs



35,174
Trees Consumed
for Office Paper



49,800
Employees
FTE



278,116,138
Office Documents
Produced



\$ 158,785,974
Office Document
Costs



33,374
Trees Consumed
for Office Paper



42,682
Employees
FTE



227,461,053
Office Documents
Produced



\$ 130,027,161
Office Document
Costs



27,295
Trees Consumed
for Office Paper

EDAM® Global 20 Predicted Office Document Volumes & Costs

The pharmaceutical industry contributes to employment in both developing and developed countries. In the United States, every job in the biopharmaceutical industry supported 5.21 jobs outside the pharmaceutical sector, in areas from manufacturing and construction to childcare, retail, accounting, and more. Spending on services and supplies totaled \$ 659 billion, translating into more than 4.4 million jobs. The industry currently directly employs more than 854,000 people in the United States and 736,358 people in Europe respectively.



40,655
Employees
FTE



279,730,665
Office Documents
Produced



\$ 159,393,333
Office Document
Costs



33,567
Trees Consumed
for Office Paper



29,000
Employees
FTE



177,972,726
Office Documents
Produced



\$ 101,610,690
Office Document
Costs



21,357
Trees Consumed
for Office Paper



23,700
Employees
FTE



135,455,950
Office Documents
Produced



\$ 77,216,203
Office Document
Costs



16,255
Trees Consumed
for Office Paper



20,800
Employees
FTE



127,649,403
Office Documents
Produced



\$ 72,879,391
Office Document
Costs



15,318
Trees Consumed
for Office Paper



GILEAD



10,000
Employees
FTE



61,369,905
Office Documents
Produced



\$ 35,038,168
Office Document
Costs



7,364
Trees Consumed
for Office Paper

EDAM® Cost Modeling

ALL Associates Group uses exhaustive research, mathematical and scientific processes, predictive analytics, and techniques to combine global data on employment and industry statistics. EDAM® databases and algorithms can compute the **fully burdened costs** of any document system, within any organization, anywhere in the world.

This 2018 Global Top 20 Pharmaceutical review was generated using EDAM® Predictive Modeling Tools. To obtain a predictive profile of any one of these 20 companies listed below call **(919) 917-7600** or send a email to: **edam@allassociates.com**

Insights

- **Document Volumes**
 - Office & Production
- **Document Costs**
 - Print / Copy / Digital
- **Impact Analysis**
 - Energy & Resources
 - FTE Workforce Dynamics
 - Machine in Field (MIF)
 - Regulatory Impact Analysis

