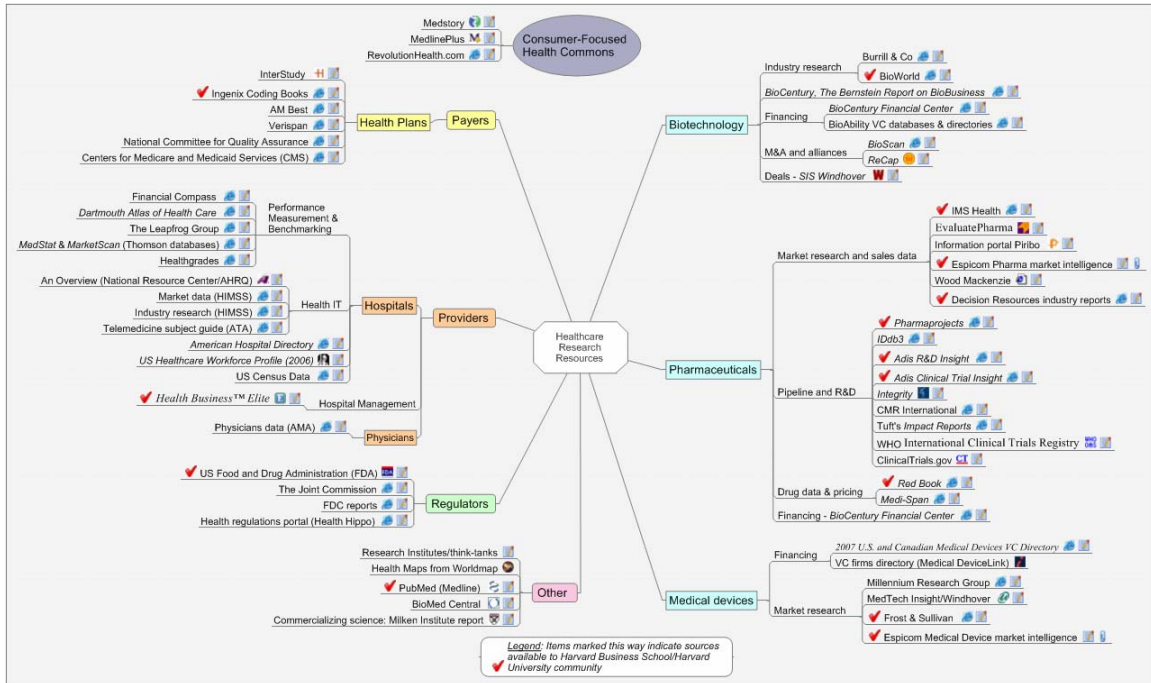


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1 Biotechnology

1.1 Industry research

Burrill & Co

See document: [publications](#)

A merchant bank that tracks performance of the biotechnology sector; publishes Life Sciences indices, quarterly reports, articles and an Annual Biotechnology Industry Report.

✓ BioWorld

See document: [Bioworld publications](#)

BioWorld covers news on public companies and hard-to-find information on private companies. Products include:

- **BioWorld® Today** - The daily biotechnology newspaper.
- **BioWorld® International** - The weekly monitor of global biotechnology developments.
- **BioWorld® Financial Watch** - The weekly report on all market data and business trends in biotechnology.
- **BioScan®: The Worldwide Biotech Industry Reporting Service** - The most comprehensive directory of biotechnology companies available.
- **The BioWorld® Biotechnology State of the Industry Report** - A must-have annual report reviewing financial trends in the biotechnology industry.
- **The BioWorld® Executive Compensation Report** - An annual report revealing executive compensation data at biotechnology companies in the U.S.

- **The BioWorld® RNAi Report** - An in-depth look at market developments, opportunities and challenges associated with RNAi technology.
- **The BioWorld® Phase III Report** - A quarterly compilation of biotechnology products in late-stage clinical trials.
- **BioWorld® Snapshots** - An exclusive online product updated daily with market data, such as collaborations, mergers, acquisitions, financings, market cap rankings and more.
- **Medical Device Daily™** - The daily medical technology newspaper. Available every business morning via fax or online at www.medicaldevicedaily.com.

For Harvard users: please check the [Hollis Catalog](#) (selected publications are available)

1.2 BioCentury, The Bernstein Report on BioBusiness

See document: [BioCentury Weekly](#)

The biotech industry's weekly benchmark journal of analysis, interpretation and commentary on bio-industry development, corporate performance and shareholder value.

1.3 Financing

BioCentury Financial Center

See document: [Financial Center](#)

A comprehensive online resource containing more than \$150 billion in public and private financing transactions by life science companies, VC's, and Banks in North America and Europe from 1994 to the present.

BioAbility VC databases & directories

See document: [Products Overview](#)

Covers U.S. biotechnology companies and U.S./European venture capital firms investing in the life sciences, biotechnology, and medical device fields.

"2007 U.S., Canadian, and European Biotechnology VC Directory: Venture Capital Companies and Contacts" by *BioWorld Today* is the newly updated directory that combines the information of the North American and European Venture Capital Directories into one volume. The directory contains information on over 1,000 venture capital firm sites that invest in biotechnology companies and over 2,200 contact name, including information on funding stages each firm invests in, focus areas of investment, and companies funded by each firm.

1.4 M&A and alliances

BioScan

See document: [Product Overview](#)

Data for strategic research partnerships published by American Health Consultants; contains profiles of approximately 1,500 U.S. and foreign companies actively involved

in biotechnology research and development, including information on strategic alliances, mergers, product acquisitions, new products in development, licensing and R&D agreements, principal investors, financial information, and key personnel.

ReCap

See document: [About ReCap](#)

Recombinant Capital's Biotech Alliance Database (ReCap) focuses specifically on alliances and contains summaries of more than 7,900 alliances in biotech that have been formed since 1978. The material is gathered from the U.S. Securities and Exchange Commission (SEC) filings of biotechnology companies, as well as from press releases and other literature and company presentations made at investment conferences and other public meetings. The Alliance Database is principally concerned with alliances for which a biotechnology company partners with a major drug company (drug/biotech), with a university (university/biotech), or with another biotechnology company.

1.5 Deals - SIS Windhover

See document: [About SIS Windhover](#)

Strategic Intelligence Systems (SIS) is a suite of databases developed by Windhover Information (publishers of *IN VIVO* and *START-UP: Windhover's Review of Emerging Medical Ventures*). *SIS* provides decision-makers with a unique perspective on deal-making dynamics as well as a fundamental understanding of the strategic directions health care companies are taking.

2 Pharmaceuticals

2.1 Market research and sales data

✓ IMS Health

See document: [IMS Health Portal](#)

Sales data for pharmaceutical industry, collected from markets across the world. Currently they collect sales data from 75% of prescriptions in 100 countries around the world. In the U.S. they are able to cover 90% of pharmaceutical sales. This allows IMS to cover over one million pharmaceutical products from over 3,000 companies.

IMS also uses their own data to publish market forecasts and a whole range of reports.

For HBS users - please contact Baker Research Services at 617- 495-6374 (selected databases are available through Dialog)

EvaluatePharma

See document: [Database Overview](#)

EvaluatePharma[®] provides comprehensive coverage of more than 400 companies and over 11,000 products from early stage R&D market, tracking the past and future performance of the pharma and biotech business sectors.

Historic sales (since 1986), consensus forecasts to 2010, peak sales and detailed company financials, including earnings estimates to 2010, are delivered via an exceptionally user-friendly web interface. Consensus forecasts from respected securities and brokers include sales forecasts to 2010.

Information Portal Piribo

See document: www.piribo.com

Piribo is an online store for information products for biotechnology and pharmaceutical industries, including business information studies, market reports and books. Piribo has ongoing relationships with leading market research and publishing companies, so they can offer a current and comprehensive range of specialized intelligence (UK focus but also global coverage).

✓ Espicom Pharma market intelligence

See attachment(s): [Espicom Pharma Catalogue \(February\)](#)

Follow the link to see a full catalog of products.

For HBS users - please contact Baker Research Services at 617- 495-6374 (some products are available through Dialog)

Wood Mackenzie

See document: [Product Overview](#)

A useful source for company research, including strategy, business development activities, financials, historical and forecast sales, and product portfolios for each relevant therapy franchise; coverage for over 60 leading pharmaceutical and biotech companies.

✓ Decision Resources industry reports

See document: [Reports Overview](#)

Decision Resources Pharmaceutical Industry Reports provide two series of research reports focusing on the pharmaceutical industry.

The Pharmacor series covers studies that analyze and forecast the commercial outlook for drugs in research and development to treat cardiovascular disease, central nervous system diseases, immune system diseases, bacterial and viral infections, and cancer.

The DR Link series are reports that offer analyses and an in-depth understanding of the health care industry from the discovery and development of new pharmaceuticals to the cost and logistics of delivering care.

For HBS users - please contact Baker Research Services at 617- 495-6374 (available through Dialog)

2.2 Pipeline and R&D

✓ Pharmaprojects

See document: [About the Database](#)

A pharmaceutical R&D database which can be used to analyze the market, monitor competitors and their pipelines, discover licensing opportunities and co-marketing partners, and to search drugs by protein target; provides links to public genetic databases.

Available to HBS Faculty and PhD students, please contact Baker Research Services at 617-495-6374.

IDdb3

See document: [About IDdb3](#)

The **Investigational Drugs database** is a competitive intelligence and R&D monitoring database. It provides information on all aspects of drug development, patents, and over 15,000 companies (from non-profit research centers and small start-ups to major pharmaceutical companies).

✓ Adis R&D Insight

See document: [Database Overview](#)

Pipeline data, profiles for more than 16,000 drugs, each with a detailed literature review, up-to-date information on development status, an Adis rating based on therapeutic value, and commercial intelligence from Lehman Brothers.

For HBS users - please contact Baker Research Services at 617- 495-6374 (some files are available through Dialog)

✓ Adis Clinical Trial Insight

See document: [Database Overview](#)

Highly structured, in-depth assessments of drug trials reported in more than 1,700 international medical and biomedical journals and meeting sources, in 28 major therapeutic areas. Study summaries provide a clear evaluation of the study, comparative treatment outcomes, key messages, results, and clinical and commercial impact of the results.

For HBS users - please contact Baker Research Services at 617- 495-6374 (some files are available through Dialog)

Integrity

See document: [About Integrity](#)

Drug development portal from Prous Science; covers Drugs & Biologics, Targets, Organic Synthesis, Experimental Pharmacology, Pharmacokinetics and Metabolism, Clinical Studies, Disease Briefings, Companies & Markets, Literature and Patents (take the tour to see the full extent of the content).

CMR International

See document: www.cmr.org

The Centre for Medicines Research International (CMR International) provides R&D performance metrics to the global pharmaceutical industry (acquired by Thompson in 2006).

Tuft's Impact Reports

See document: [Impact Reports](#)

Published by the Tufts Center for the Study of Drug Development, *Impact Reports* summarize current original research in a bi-monthly publication that presents data, analyses, and insights on critical drug development and regulatory issues. Topics include: an analysis of FDA requests for post-marketing studies; effects of incremental R&D on drug safety and competition; recent developments in an analysis of EU biopharmaceutical reviews and approval times for new drugs under PDUFA.

WHO International Clinical Trials Registry

See document: [Trial Search Portal](#)

On 4th May, the [World Health Organization](#) launched its clinical trial search portal. This website acts as a single point of access to information about ongoing and completed trials worldwide, and allows researchers, clinicians, and members of the public to freely search across multiple registries to find studies relevant to them.

ClinicalTrials.gov

See document: www.clinicaltrials.gov

A free resource from NIH with regularly updated information about federally and privately supported clinical research in human volunteers; includes information about a trial's purpose, who may participate, locations, and phone numbers for more details.

2.3 Drug data & pricing

✓ Red Book

See document: [Red Book](#)

One of Thomson's information products, offers latest pricing and product information on more than 100,000 Rx and OTC items, examples of features: average wholesale prices (AWPs), direct prices, and federal upper limit prices for prescription drugs; suggested retail prices for OTC products; NDC numbers for all FDA-approved drugs; complete package information including dosage form, route of administration, strength, and size; "Orange Book" codes - FDA-approved drug products with therapeutic equivalent evaluations; a complete list of FDA-approved new molecular entities, generics and OTC products; comprehensive manufacturer, pharmaceutical wholesaler, and third-party administrator directories.

For HBS community - available at Baker Business Stamps Reading Room - Reference (In-library use only) RS356 .D88

Medi-Span

See document: [About Medi-Span](#)

Offers complete descriptions and pricing for all prescription and over-the-counter products sold in the United States, among other features.

2.4 Financing - BioCentury Financial Center

See document: [BioCentury Financial Center](#)

A comprehensive online resource containing more than \$150 billion in public and private financing transactions by life science companies, VC's, and Banks in North America and Europe from 1994 to the present.

3 Medical devices

3.1 Financing

2007 U.S. and Canadian Medical Devices VC Directory

See document: [About the Directory](#)

The 2007 directory contains information on over 520 venture capital firms investing in medical device companies, including information on the funding stages each firm invests in, focus areas of investment and companies funded by each firm.

VC firms directory (Medical DeviceLink)

See document: [Online Directory](#)

3.2 Market research

Millennium Research Group

See document: [Research Studies Overview](#)

Conducts market research studies on the trends and issues affecting global medical markets, medical technologies, information systems, and communication sources affecting medical products and healthcare.

MedTech Insight/Windhover

See document: [Reports Overview](#)

Publishes reports on medical technology markets and a database of European healthcare data which includes European Surgical Procedures Database and European Surgical Diagnostic Procedures data, among others; holds "Investment in Innovation" conferences for small emerging medical technology companies in need of funding, acquisition, or strategic alliance.

✔ Frost & Sullivan

See document: [Product Overview](#)

Frost & Sullivan's Medical Devices Research provides global industry analysis and market research & forecasts in the areas of Cardiovascular Devices, Orthopedic

Devices, Home Care, Surgical & Infection Control Products, General Medical Devices, Hospital Supplies & Products, and Wound Care/ Management Products market sectors.

Available to HBS users on [Baker Library website](#)

✓ **Espicom Medical Device market intelligence**

See attachment(s): [Espicom Medical Device Catalogue \(February\)](#) for a full catalog of products.

For HBS users - please contact Baker Research Services at 617- 495-6374 (some products are available through Dialog)

4 Other

4.1 Research Institutes/think-tanks

[Center for Studying Health System Change](#)

[Program for Health Systems Improvement \(Harvard University\)](#)

[Institute for Healthcare Improvement](#)

[Galen Institute/Center for Consumer Driven Healthcare](#)

[The Kaiser Family Foundation](#)

[Manhattan Institute/Center for Medical Progress](#)

[The Commonwealth Fund](#)

[Cato Institute](#)

[Heritage Foundation](#)

[Center for Disease Control/National Center for Health Statistics](#)

[National Center for Policy Analysis](#)

4.2 Health Maps from Worldmap

See document: [Health Maps Listing](#)

4.3 ✓ PubMed (Medline)

See document: [PubMed Search](#)

PubMed is a service of the [U.S. National Library of Medicine](#) that includes over 16 million citations from MEDLINE and other life science journals for biomedical articles back to the 1950s. PubMed includes many links to full text articles and other related resources.

Available to HBS/Harvard community with greater full-text access [here](#).

4.4 BioMed Central

See document: [BioMed Central Search](#)

Collection of 175 open access and peer-reviewed biomedical research journals; includes general titles such as *Journal of Biology* alongside specialist journals (e.g. *BMC Bioinformatics*, *Malaria Journal*) that focus on particular disciplines.

4.5 Commercializing science: Milken Institute report

See document: [mind2mrkt_2006.pdf](#)

A global analysis of the full cycle of biotechnological innovation from the pure university research to technology transfer and early-stage commercialization; includes an analysis of key success factors in the existing university technology transfer practices and university ranking.

5 Regulators

5.1 ✓ US Food and Drug Administration (FDA)

See document: [FDA Home](#)

The Food and Drug Administration (FDA) is an agency of the United States Department of Health and Human Services and is responsible for regulating food (humans and animal), dietary supplements, drugs (human and animal), cosmetics, medical devices (human and animal) and radiation emitting devices (including non-medical devices), biologics, and blood products in the United States.

See an overview from Wikipedia:

http://en.wikipedia.org/wiki/Food_and_Drug_Administration

For additional FDA publications available to HBS/HU community, see [Hollis](#).

5.2 The Joint Commission

See document: [The Joint Commission](#)

The goal of research and performance measurement at the Joint Commission is to advance health care quality and patient safety by undertaking scientifically credible research that informs health services practice and policy.

The Joint Commission's research programs support the development of evidence-based and meaningful performance measures, sound statistical and analytical approaches to data analysis, the identification of performance improvement and patient safety strategies, and the scientific underpinnings of the Joint Commission's public policy initiatives.

5.3 FDC reports

See document: www.fdcreports.com

Cover the latest regulatory, legislative, and business news affecting the U.S. drug, biotechnology, medical device, non-prescription drug, nutritionals, and cosmetics industries.

5.4 Health regulations portal (Health Hippo)

See document: [Hippo Home](#)

Useful collection of policy and regulatory information related to a wide range of health care issues.

6 Providers

6.1 Hospitals

Performance Measurement & Benchmarking

Financial Compass

See document: [About Financial Compass](#)

Provides comprehensive access to over 400 performance measures, including profitability, liquidity, length of stay, payer and patient mix, productivity, and department efficiency. Also included in the Financial Compass Plus software are over 200 performance benchmarks classified into groups such as national percentiles, state, health system, case mix and bed size. These measures allow for a comprehensive comparison of a hospital's financial and operational performance against local and national peers using a variety of performance types.

Dartmouth Atlas of Health Care

See document: [About the Atlas](#)

The Dartmouth Atlas project offers comprehensive information and analysis about national, regional, and local markets, as well as individual hospitals and their affiliated physicians, in order to provide a basis for improving health and health systems. There is a wealth of research and data that can be downloaded for free.

The Leapfrog Group

See document: [Leapfrog Home](#)

The Leapfrog Group gathers and reports information on hospital quality and patient safety.

MedStat & MarketScan (Thomson databases)

See document: [Database Overview](#)

These databases from Thomson offer a broad range of hospital performance measurement, disease management and specific health economics data.

Healthgrades

See document: [Hospital Index](#)

HealthGrades (Nasdaq:HGRD) is a reputable healthcare ratings organization, providing ratings and profiles of hospitals, nursing homes and physicians.

Health IT

An Overview (National Resource Center/AHRQ)

See document: [AHRQ](#)

A useful overview and a resource center for Health Information Technology, created by the Agency for Healthcare Research and Quality (AHRQ).

Market data (HIMSS)

See document: [Dorenfest Institute](#)

The Healthcare Information and Management Systems Society (HIMSS) / Dorenfest Institute provide a variety of detailed historical data, reports, and white papers about information technology (IT) use in hospitals and integrated healthcare delivery networks at no charge to universities, students under university license, U.S. governments (local, state and federal), and governments of other countries that will be using the data for research purposes.

Industry research (HIMSS)

See document: [Research Overview](#)

The Healthcare Information and Management Systems Society (HIMSS) publishes surveys on a variety of healthcare IT issues, including technology use in the ambulatory setting, HIPAA, and patient safety.

Telemedicine subject guide (ATA)

See document: [ATA Links](#)

Very comprehensive guide to information/publications/research resources as well as funding and policy information, compiled by the American Telemedicine Association.

American Hospital Directory

See document: www.ahd.com

The American Hospital Directory provides online data for over 6,000 hospitals. The database of information about hospitals is built from both public and private sources including Medicare claims data (MedPAR and OPPS), hospital cost reports, and other files obtained from the federal Centers for Medicare and Medicaid Services (CMS).

US Healthcare Workforce Profile (2006)

See document: [U.S. Health Workforce Profile October2006 11-09.pdf](#)

A new report from the Center for Health Workforce Studies at the University of Albany's School of Public Health compiles 2004 data on the supply, distribution and education of nurses, physicians and other health care workers by state, to provide a profile of the U.S. health care workforce.

US Census Data

See document: [SEC_HC-62.html](#)

There is a variety of healthcare related data available through the US Census.

6.2 Hospital Management

✓ Health Business™ Elite

See document: [Database Overview](#)

This database provides comprehensive journal content detailing all aspects of health care administration and other non-clinical aspects of health care institution management. Topics covered include hospital management, hospital administration, marketing, human resources, computer technology, facilities management and insurance.

Available to HBS/HU Community as part of [Business Source Complete](#).

6.3 Physicians

Physician data (AMA)

See document: [Product Catalog](#)

Good source of physician data from the American Medical Association (in print), click on "Physician Statistics" in the lower left corner.

7 Payers

7.1 Health Plans

InterStudy

See document: [Interstudy.com](#)

A Decision Resources Company devoted to an analysis of health plans, specific geographic healthcare markets, and the managed Medicare and Medicaid markets; produces databases and reports covering health plan enrollment data at the national, state, MSA, or county level, including HMOs and PPOs.

✓ Ingenix Coding Books

See document: [Product Overview](#)

Provider of correct and complete health coding, billing, and reimbursement resources.

For HBS/HU community - available in print - Baker Business Stacks -- Serials 0217400

AM Best

See document: [Overview](#)

Provider of ratings, news, data and financial information for the global insurance industry.

Verispan

See document: [Product Listing](#)

Provider of de-identified patient-centric, longitudinal data delivered in near real time.

National Committee for Quality Assurance

See document: [Publication Overview](#)

A non-profit organization that measures the quality of American health plans, publishes health plans rankings (with US News and World Report), surveys, and white papers.

Centers for Medicare and Medicaid Services (CMS)

See document: [CMS Home](#)

Centers for Medicare and Medicaid Services (CMS) is a federal agency within the Department of Health and Human Service that develops coverage policies, regulates laboratory testing, and oversees certification of nursing homes and continuing-care providers.