

PharmaExa

Science. Training. Innovation in Pharma

Transforming Clinical Research Education & Services

GLOBAL CERTIFICATIONS • ADVANCED PG DIPLOMAS • INDUSTRY-ORIENTED TRAINING

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Welcome to PharmaExa- Transforming Clinical Research Education and Services

PHARMAEXA, India's first #Startupindia recognized progressive premier clinical research institute, has rapidly gained a stellar reputation for its excellence in the field. With its innovative approach, global certifications, and dedication to providing high-quality education and training, PHARMAEXA has emerged as a leading institution in the clinical research industry. This article delves into the institute's journey, mission, offerings, and its commitment to shaping the future of clinical research education and services.

Inception and Objectives:

PHARMAEXA was established in the year 2007 in London, United Kingdom, by a group of atom consultancy services with rich expertise in clinical research. The institute's primary objective in operating in India is to provide excellence in education, strategic and applied research, and the flexible delivery of learning and teaching methodologies. PHARMAEXA aims to enhance communities by fostering collaborations with national and international scholars and institutions, creating a vibrant network for staff and students.

Quality Education and Global Research Standards:

PHARMAEXA embarked on its journey by developing a robust educational system for clinical research to generate high-quality resources that meet global research standards. Through rigorous curriculum design and industry collaborations, the institute ensures that students receive comprehensive training in clinical trial management, clinical data management, pharmacovigilance, medical writing, regulatory affairs, and other specialized areas. This emphasis on quality education equips graduates with the necessary knowledge and skills to excel in their careers and contribute to the advancement of the clinical research industry.

Mission and Vision:

PHARMAEXA's mission is to provide the highest quality training, education, and management solutions while developing superior human resources for the global life sciences and healthcare industry. The institute envisions establishing a world-class education and training institution that offers a wide range of high-quality life and health

sciences skilling and professional training programs, as well as innovative business solutions. By aligning its mission and vision, PHARMAEXA aims to contribute significantly to the advancement of the clinical research field and the development of skilled professionals.

Recognition and Accreditations:

PHARMAEXA's commitment to excellence and innovative approach has earned it recognition and accreditations from esteemed bodies. The institute's global certifications are accredited by the International Accreditation Council for Clinical Research & Education (IACCRE), Startup India recognized and member of SOCIETY OF CLINICAL RESEARCH PROFESSIONAL community which further validates the quality and relevance of its programs. These accreditations enhance the credibility of PHARMAEXA's certifications, making them globally recognized and highly sought after by individuals and organizations in the clinical research field.



Comprehensive Program Offerings:

PHARMAEXA offers a wide range of global certification programs that cater to the diverse needs of individuals aspiring to build a career in clinical research. These programs include the

Diploma courses		
Course Name	Duration	Course Link
Diploma in Clinical Research	3 Months	Click Here to Apply
Diploma in Pharmacovigilance	3 Months	Click Here to Apply
Diploma in Clinical Data Management	3 Months	Click Here to Apply
Diploma in Drug Regulator Affairs	3 Months	Click Here to Apply
Diploma in Good Clinical Practice	3 Months	Click Here to Apply

Advanced PG Diploma courses		
Course Name	Duration	Course Link
Advanced Post Graduate Diploma in Clinical Research & Pharmacovigilance	6 Months	Click Here to Apply
Advanced Post Graduate Diploma in Pharmacovigilance & Clinical Data Management	6 Months	Click Here to Apply
Advanced PG Diploma in Clinical Research & Clinical Data Management	6 Months	Click Here to Apply
Advanced PG diploma in Pharmacovigilance & Drug regulatory affairs	6 Months	Click Here to Apply
Advanced PG diploma in Clinical Research & Pharmacovigilance & Clinical data management	12 Months	Click Here to Apply

Professional Certification Programs		
Course Name	Duration	Course Link
Certified Clinical Research Professional (CCRP)	12 Months	Click Here to Apply
Certified Clinical Research Associate (CCRA)	3 Months	Click Here to Apply
Certified Clinical Research coordinator (CCRC)	3 Months	Click Here to Apply
Certified Clinical Research Investigator (CCRI)	3 Months	Click Here to Apply
Certified Clinical Data manager (CCDA)	6 Months	Click Here to Apply

By providing specialized training in key areas of clinical research, PHARMAEXA ensures that students are well-prepared for the demands of the industry.

Flexible Learning Modes:

To accommodate the needs of working professionals, students, and individuals with varying schedules, PHARMAEXA offers flexible learning modes. Students can choose from full-time on-site courses, part-time online live classes, or online e-learning modules, allowing them to pursue their education at their own pace and convenience. This flexibility enables individuals from different backgrounds to access high-quality clinical research education and training, making it a more inclusive and accessible institute.

Supporting the Clinical Research Industry:

PHARMAEXA recognizes the rapid growth of the clinical research industry and the importance of ensuring that research is conducted following international standards such as ICH-GCP and WHO guidelines. The institute plays a pivotal role in supporting the industry by providing training programs that equip professionals with the necessary knowledge and skills to conduct clinical trials effectively and ethically.

One of PHARMAEXA's key offerings is its **post-graduate upskilling programs and corporate executive development programs**. These programs cater to the needs of working professionals who seek to enhance their knowledge and advance their careers in pharmaceutical business analytics, clinical research, pharmacovigilance, data management, pharma regulatory affairs, medical and scientific writing, biostatistics, and other specialized areas. By providing

comprehensive training and industry exposure, PHARMAEXA contributes to the continuous professional development of individuals and the overall growth of the industry.

PHARMAEXA also recognizes the importance of placement support for its students. The institute has a robust placement support program that assists students in securing employment opportunities in leading pharmaceutical companies, contract research organizations (CROs), clinical research sites, and other relevant organizations. By connecting students with industry partners and facilitating internships and job placements, PHARMAEXA ensures that its graduates are well-prepared to enter the workforce and make meaningful contributions to the clinical research field.

In addition to its educational programs, PHARMAEXA offers consulting solutions for pharma and life science clients. Leveraging its expertise and industry knowledge, the institute provides strategic guidance and customized solutions to assist organizations in navigating the complex landscape of clinical research. Whether it's advising on regulatory compliance, study design, data management, or quality assurance, PHARMAEXA's consulting services help clients optimize their research processes and achieve successful outcomes.

PHARMAEXA's global certification programs and comprehensive offerings have positioned it as an academy with an excellent reputation in the clinical research industry. The institute's commitment to quality education, industry relevance, and continuous innovation has garnered trust and recognition from students, professionals, and organizations alike. By consistently delivering high-quality training and staying abreast of industry trends, PHARMAEXA contributes to raising the standards of clinical research education and services.

The institute's success can be attributed to its dedicated faculty and staff who bring a wealth of industry experience and expertise to the classroom. These experienced professionals not only impart theoretical knowledge but also share practical insights and real-world examples, enriching the learning experience for students. PHARMAEXA's faculty members serve as mentors, guiding students through their educational journey and helping them develop the necessary skills and competencies to excel in the clinical research field.

As PHARMAEXA continues to evolve and expand, its commitment to excellence and innovation remains unwavering. The institute constantly updates its curriculum to align with emerging industry trends and technological advancements. It embraces new methodologies and technologies to enhance the learning experience, such as incorporating online live classes and e-learning modules, ensuring that students have access to the latest tools and resources.

Furthermore, PHARMAEXA actively collaborates with renowned national and international scholars and institutions, further strengthening its network and fostering knowledge exchange. These collaborations provide opportunities for joint research projects, faculty exchanges, and international exposure for students, contributing to their holistic development and preparing them for a globalized clinical research industry.

Out Technology & Knowledge Partner

PHARMAEXA has tie ups with wide range of technology, healthcare and life sciences companies which provides access to newer technologies and knowledge for our faculties and students. Some of our partners are :



Our Network

United Kingdom	United Arab Emirates	India
- London - Head Office - Ireland	- Dubai - Saudi Arabia	- Guntur - Chennai - Hyderabad - Bangalore

Industry Overview: Clinical Research in India

Clinical Research is a highly knowledge-intensive industry that plays a crucial role in the development and evaluation of medications and medical devices. It encompasses the entire lifecycle of a drug, from its inception in the laboratory to its introduction in the consumer market and beyond. The primary objective of clinical research is to systematically study and evaluate the effectiveness and safety of these therapeutic interventions by monitoring their effects on large groups of people.

In recent years, clinical research has emerged as a multi-billion-dollar and multidisciplinary industry, driven by advancements in medical science, regulatory requirements, and the growing demand for evidence-based healthcare practices. The industry has gained prominence globally due to its significant contribution to medical advancements and the improvement of patient outcomes.

India, in particular, has emerged as a favorable destination for clinical research activities. Several factors contribute to India's position as a clinical research hub.

Firstly, India benefits from a vast and diverse patient population. The country represents various ethnicities, genetic profiles, and disease prevalence. This diversity allows for a comprehensive evaluation of therapeutic interventions across different patient populations, making it an attractive location for conducting clinical trials.

Secondly, India possesses a skilled workforce in the healthcare sector. The country is home to a large pool of doctors, nurses, and clinical research specialists who possess the necessary expertise and knowledge required to conduct clinical research studies effectively. Their contribution ensures the collection of high-quality data and the successful execution of research protocols.

Thirdly, conducting clinical trials in India offers a cost advantage compared to many developed countries. The availability of skilled professionals, infrastructure, and resources at a relatively lower cost makes India an economically viable option for clinical research activities. This cost advantage allows for efficient allocation of research funds and contributes to the overall feasibility of conducting clinical trials in the country.

Moreover, India has established a robust regulatory framework governing clinical research. Regulatory authorities such as the Central Drugs Standard Control Organization (CDSCO) and the Indian Council of Medical Research (ICMR) ensure the ethical conduct of trials and adherence to international guidelines such as the Good Clinical Practice (GCP) guidelines. This regulatory framework ensures the safety and well-being of participants and maintains the integrity of clinical research studies.

The Indian government has recognized the potential of the clinical research industry and has taken proactive measures to promote its growth. Initiatives like the "Startup India" program and the establishment of dedicated clinical research institutions have further fueled the expansion of clinical research activities in the country. This government support provides a conducive environment for research and innovation in the field of clinical research.

Additionally, India has made significant investments in developing state-of-the-art research infrastructure and adopting advanced technologies for data collection, management, and analysis. This infrastructure supports the conduct of clinical trials and ensures the generation of high-quality data, thereby enhancing the credibility and reliability of research outcomes.

Furthermore, Indian clinical research organizations and academic institutions actively engage in collaborative partnerships with global pharmaceutical companies, contract research organizations (CROs), and academic research centers. These collaborations foster knowledge exchange, enhance research capabilities, and attract investments in the clinical research sector. The collaborative approach contributes to the overall growth and advancement of clinical research in India.

In conclusion, Clinical Research is a knowledge-intensive industry that plays a vital role in evaluating the effectiveness and safety of medications and medical devices. India, with its diverse patient population, skilled workforce, cost advantage, supportive regulatory framework, government initiatives, robust infrastructure, and collaborative partnerships, has emerged as a preferred destination for conducting clinical research studies. The country's potential as a clinical research hub continues to grow, enabling the development of innovative therapies and contributing to the advancement of global healthcare.

Clinical Research professionals recruiting company's



Guide to Understand the Current Employment Prospects and Long Term Career Growth Potential in the field of Clinical Research in the INDIA, US and the World

PHARMAEXA has designed this guide to help professionals analyze and decide upon Clinical Research as a viable and lucrative career path. This guide can be used by fresh graduates or experienced professionals alike to independently verify the industry potential and make their own career decision. This is a methodical guide based on a stepwise approach to assess current and future career prospects and earning potential. For better decision making please consider the following:

The field of clinical research has seen immense growth in recent years driven by the global demand for new and improved treatments. Clinical research involves research studies and clinical trials that assess the safety and efficacy of new drugs, devices, and treatment protocols before they can be approved for wider patient use. This growth has created new career opportunities for skilled professionals in countries around the world, especially in India. This guide provides insights into the current employment prospects as well as long term growth projections for building a career in clinical research in India, the US and globally over the next 20 years.

In 2023, the clinical research industry is in a phase of rapid growth in India. There are over 1,500 contract research organizations (CROs) operating in the country, employing around 300,000 professionals. The sector is projected to continue robust growth as global pharmaceutical and biotechnology companies look to leverage India's diverse population, English-speaking workforce, and significantly lower costs for conducting research compared to western countries. The US continues to be a dominant force in clinical research, conducting over 155,000 trials annually. It employs around 500,000 professionals in various clinical research roles across pharmaceutical companies, CROs, and research sites. Globally, the clinical research industry revenue has grown to around \$64 billion currently. The US accounts for 50% while Europe makes up 25% of the global market.

India's clinical research industry has witnessed exponential growth over the past two decades, emerging as an attractive global destination. In 2005, India had 100 CROs and around 5,000 jobs. By 2015, India had 500 CROs employing 75,000 people. Currently, India has over 1,500 CROs that employ around 300,000 professionals, indicating phenomenal growth.

The rapid growth has created a huge demand for skilled clinical research professionals in India. In 2005, there were an estimated 5,000 jobs, growing to 90,000 jobs by 2015. Currently, India employs over 300,000 people in various clinical research related positions like clinical research associates, specialists, project managers, data managers etc. The talent pool is still lagging behind the skyrocketing growth, creating excellent job prospects.

India is becoming the preferred location for clinical research due to its vast population of over 1.3 billion, providing access to diverse ethnicities, genotypes, and disease profiles. India also has a large pool of English-speaking people, essential for conducting global clinical trials. Further, costs are significantly lower - around 60% cheaper than the US per patient for clinical trials.

Over 1000 global pharmaceutical companies have set up offices in India to leverage these advantages for clinical research. Around 500 domestic Indian pharma companies also conduct research, partnering with global organizations. India has over 500 FDA approved manufacturing facilities, boosting growth.

The Indian clinical research market was around \$1.5 billion in 2022 but is projected to grow at a CAGR of 12% to reach \$5 billion by 2025. The market is estimated to further grow to \$15 billion by 2030. The contract research organization (CRO) segment is driving much of this growth as companies look to outsource research and trials. Employment opportunities in India are expected to grow at 15 to 20% annually over the next 5 years. The government aims to build a \$100 billion biotechnology industry by 2025, with clinical research being a significant component. This is projected to create over a million new clinical research jobs over the next 7-8 years.

India provides immense opportunities across roles like clinical trial investigators, study coordinators, research nurses, associates, project managers, data managers, medical coders, pharmacovigilance professionals, biostatisticians etc. Regions with advanced healthcare like Delhi, Mumbai, Bangalore, Hyderabad, Pune, Chennai are clinical research hubs.

Most companies now prefer to hire candidates with specialized clinical research or healthcare certifications. Some leading certifications include Certified Clinical Research Professional (CCRP), Certified Physician Investigator (CPI), and Diploma in Clinical Research. These demonstrate expertise and substantially improve hiring as well as advancement prospects.

In India, entry level salaries for clinical research coordinators and associates range from ₹3.5 to ₹6 lakhs annually. With 4-6 years experience, professionals can earn ₹8 to ₹12 lakhs. Senior associates and project managers with 10+ years experience can earn ₹18 to 25 lakhs. Leading MNC CROs offer salaries comparable to the US, though cost of living differs. Globally, the long term outlook for clinical research jobs is highly promising. Global spending on pharmaceutical R&D is projected to exceed \$200 billion by 2024. Oncology, immunology and infectious diseases are key focus areas for new drug research. Many new technologies like artificial intelligence, IoT, big data analytics etc. are also driving growth in trials.

The US continues to lead in clinical research, conducting over 55% of global trials. It is forecast to grow at 7% CAGR over the next decade. Europe accounts for around 25% of the market while the Asia Pacific region including India and China are fueling growth in emerging markets. Latin America and Africa offer untapped potential.

Employment opportunities in mature markets like the US are expected to grow at 6-7% annually over the next decade, above the national average. The US employs over 500,000 in clinical research currently, projected to exceed 700,000 by 2030. Average salaries also continue rising with high demand. Developing markets are projected for even higher growth. India is poised to become one of the top 5 global clinical research hubs by 2025. Growth of over 15% annually is estimated over the next 5 years. India could employ over a million people by 2030 if the current trajectory continues. China is also investing heavily in clinical research infrastructure and aims to catch up with India.

Brazil, Mexico, Argentina, South Africa and other developing countries have large populations, diverse demographics, lower costs and groundbreaking research that make them attractive global clinical trial destinations. These emerging regions could rival the developed economies in clinical research over the next decade.

Globally also, salaries for highly skilled clinical research personnel will substantially increase. Shortage of experienced talent will drive higher pay. The average salary for an experienced clinical research associate is forecast to exceed \$100,000 in the US. Project managers and data managers will earn over \$130,000 and \$110,000 respectively by 2030.

Demand will be very high for professionals with specialized skills like data science, statistics, analytics, artificial intelligence etc. and their application in clinical trials. Clinical research presents a lucrative career option for technology experts and healthcare professionals who can bridge this gap.

While India currently attracts a lot of outsourced clinical research projects, there is a strong drive to move up the value chain and conduct end-to-end trials and innovative research domestically. The government plans to establish a research focused National Medical Devices Authority to provide regulatory oversight and boost growth. Academia-industry partnerships are being strengthened with initiatives like the Clinical Trial Registry of India which provides transparency, public access and links investigators across the country. India also plans to enhance IP incentives and streamline clinical trial approvals, bringing it on par with developed nations.

India is also fostering innovation through academic centers of excellence, funding for early stage research, and incubators. The focus is on discovering novel drugs and devices leveraging diverse genetics, increased digital healthcare adoption and other advantages that India offers.

India's cost competitiveness, English proficiency, high-quality manufacturing and growing talent pool will continue making it the ideal global hub for clinical research. However, India must invest substantially in infrastructure, technologies, training, and regulatory systems to maintain steady growth over the long term. Globally also, there is increased cross-country collaboration and public-private partnerships to conduct clinical trials and research more efficiently. Adoption of advanced technologies like decentralization, telemedicine, wearables, AI etc. has received a boost during the pandemic. This will increase relevance of e-clinical trials.

Patient centricity and participant diversity are increasing focus areas to improve trial outcomes. Virtual and hybrid trials, direct patient recruitment and engagement, training staff on empathy - these initiatives are improving participant experience. Patient advocacy groups are also more vocal in demanding ethical, transparent research.

While emerging technologies and globalization will widen the scope of clinical research over the next decade, concerns around quality, ethical standards, subject safety and data integrity remain. Valuation pressures also persist as pricing scrutiny increases. Training programs must focus on building well-rounded skills to overcome these challenges.

Environmental sustainability is becoming critical. Significant amount of waste is generated through clinical trials. Greener technologies and carbon neutral practices are being incorporated in trial design and medical waste disposal. This will create jobs specifically focused on designing and executing sustainable trials.

clinical research is poised for robust global growth in the next 10 years driven by emerging technologies and markets. The US and Europe will continue leading. India has phenomenal potential but must establish regulatory and IP incentives on par with developed nations. Professionals with domain and technology skills will see exponential demand and rewards.

The job market promises to be highly dynamic. Beyond conducting outsourced trials, India must invest in infrastructure and skill building to become an end-to-end global innovation hub. Other emerging countries also

have untapped potential. Collaborations, sustainability and ethics will gain prominence along with virtualization and patient-centricity.

Career path

- People with different qualifications I professional backgrounds have different career paths / employment prospects in the field of Clinical Research.
- The industry is always changing therefore we must understand the long term career growth potential within the industry. While choosing a career, long term career growth potential is as important as current employment prospects in the industry.
- Earning potential is an important consideration while choosing Clinical Research as a career path.

This guide is divided into 3 sections as follows:

Section 1: Understanding Current Employment respects

Section 2: Understanding Long Term Career Growth Potential Section

Section 3: Understanding the Earning Potential

Section 1 : Understanding Current Employment Prospects

Step 1: Identify the appropriate job title based on your professional qualifications. The following job titles are currently prevalent in the industry:

Job Titles ↓ Professionals →	Doctors	Nurses	Physiotherapists	Dieticians	Medical Technologists	Pharmacists	Life Sciences Graduates	Bioengineering, Biomedical Engineering Graduates	IT Professionals	MBA's with Life Sciences	Sociology and Psychology Graduates	Statisticians
Clinical Research Coordinator		X	X	X	X	X	X				X	
Clinical Research Associate	X	X	X	X	X	X	X				X	
Drug Safety Associate		X	X	X	X	X	X					
Drug Safety Specialist	X											
Medical Officers	X											
Medical Liaison	X											
Study Manager	X									X	X	
Biostatisticians												X
Quality Assurance						X	X					
Regulatory Specialist						X	X					
Clinical Data Coordinator								X	X	X		
Clinical Data Analyst								X	X			
Clinical Data Manager						X		X	X	X		
SAS Developer								X	X			X
Clinical Validation Specialist								X	X			
Clinical Business Analyst								X	X			
Project Manager										X		
Business Development										X		

Step 2: Go to the following job search websites on the web:

- <https://jobsavenue.net>
- [Monster.com](https://www.monster.com)
- [Indeed.com](https://www.indeed.com)
- [Yahoohotjobs.com](https://www.yahoojobs.com)
- [Biospace.com](https://www.biospace.com)
- <https://www.aerrotek.com/>
- <https://www.nature.com/>
- <https://www.dice.com/>
- <https://www.centerwatch.com/>
- <https://pharmaexa.com/submit-your-resume/>

The above listed job search websites are specific to the INDIA & USA. The above list is not conclusive, there are many more such job search websites which could be looked up on the web.

Step 3: Use the "Job Titles" from Step 1, which are appropriate to your professional qualification and use them as "Key Words" in the job search section in any of the websites listed in Step 2. The website will provide you total number of job openings currently listed on the site which matches with your "Key Words". To expand the search criteria, repeat the job search using each of the job titles relevant to you.

Step 4: Repeat Step 3 in each of the job search websites listed in Step 2 and any other similar websites that you have identified on the web. These job searches will give you a good estimate of the total number of current jobs postings in the USA.

Based on the above steps, we estimated that as of August 2021, there are over 1, 20,000 jobs available in the INDIA & USA in the field of Clinical Research. The number of available jobs is more than the qualified professionals available in the US to fill these job openings. This presents a huge career opportunity for fresh graduates and an excellent growth potential for experienced and qualified professionals.

This method could also be used to find job openings outside the INDIA & USA. To find jobs in your home country or any other country of your choice, go to the country specific job search websites and run the search as defined in Step 3 and 4. The clinical research industry is growing at a rapid pace throughout the world, which presents a huge opportunity for the qualified professional looking for a global career opportunity in this industry.

Section 2: Understanding Long Term Career Growth Potential

The clinical research industry has immense potential for long term growth globally based on several favorable factors. Understanding this potential can inform strategic decisions when planning a career in this field. A major driver is the rapidly ageing population profile in most countries, leading to greater prevalence of chronic and age-related diseases. For instance, by 2050 over 20% of the US population will be over 65 years, compared to around 15% currently. This expands the addressable market for clinical research enormously.

Further, global spending on healthcare is consistently increasing year-on-year. Most governments are prioritizing overall population health, prevention and management of diseases. In 2019, global healthcare spending was around \$8.3 trillion, projected to exceed \$11 trillion by 2023.

Within healthcare, expenditures on biopharmaceuticals are rising exponentially. Global spending on medicines is estimated to reach nearly \$1.6 trillion by 2024, indicating pharma's growth potential. Oncology, immunology, cell and gene therapy are key areas. This necessitates massive investments in new drug development and clinical research. Several advanced technologies are profoundly transforming healthcare, which is positive for clinical research. Artificial intelligence, machine learning, IoT, big data analytics, blockchain, telehealth, robotic automation etc. are enabling faster, targeted trials. The use of technology in trials will leapfrog over the next decade.

Virtual and decentralized trials facilitated by digital tools and wearables have expanded the possibilities of clinical research. During the pandemic, remote and hybrid trials provided continuity showing the potential of virtual trials. Technologies like AI and simulation also reduce costs, timelines and risks.

While the US currently leads in biopharma R&D, emerging markets are rapidly growing their investments. India and China aim to become global clinical trial hubs within this decade owing to diverse populations, infrastructure growth and cost benefits. This balances the earlier skewed concentration in developed nations. Contract research organizations (CROs) have enabled the pharma industry to dramatically upscale research by outsourcing various functions. The global CRO services market, valued at \$38 billion in 2019, is projected to reach nearly \$90 billion by 2026. CROs multiply opportunities for research talent. Many new niche CROs focused on specific research areas or technologies have emerged. For instance, CROs specializing in oncology, medical devices, real world evidence, wearables, decentralized trials etc. enable targeted clinical capabilities. This creates diverse roles.

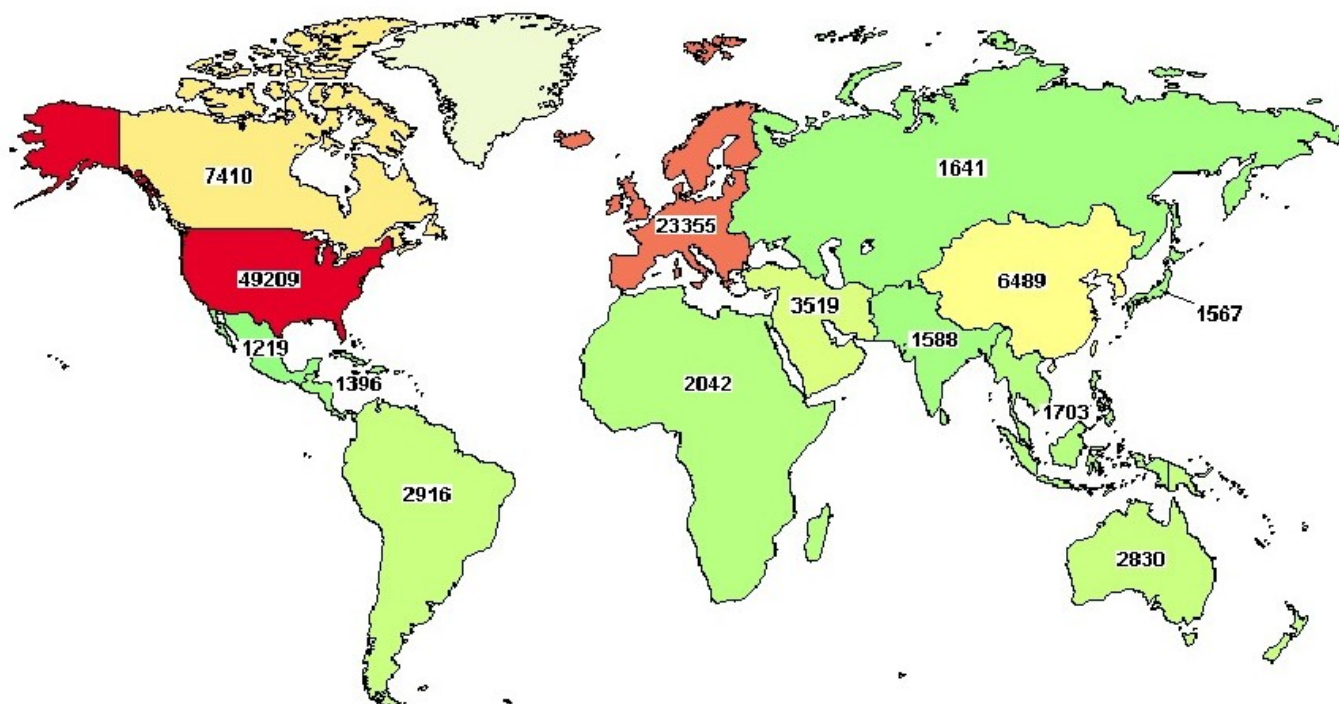
Academia and partnerships between pharma and academic institutes are increasing. Government funding for rare diseases, pediatric medicine and other critical research not addressed by industry also expands the field. Innovations coming out of academic centers, startups and public-private collaborations also boost the ecosystem.

The demand for skilled professionals in clinical research will massively outstrip supply, leading to global talent shortages. Experts project shortfalls of over 150,000 trained clinical research personnel in the US and over 1 million globally before 2030. This indicates tremendous job security and growth.

Salaries for clinical research professionals in most roles have been rising substantially with the high demand. Average salaries in developed countries have been growing at 7-9% annually. Generous compensation and benefits will be the norm, especially for talent with specialized skills.

Overall, these trends point to exponential growth in clinical research over the next decade with opportunities for skilled professionals globally. Groundbreaking R&D, adoption of advanced technologies, expansion into emerging markets and collaborations are powering the opportunities. A fulfilling, rewarding and lucrative career awaits dedicated professionals in this field.

As of August 2025, 194,676 registered clinical trials are in progress in 173 countries around the globe.



Source: ClinicalTrials.gov

USA has the largest number (over 50%) of clinical trials in the world followed by Europe (approx. 25%) (Source: www.clinicaltrials.gov, 2026)

India: Clinical trial market forecast to grow at a CAGR of around 31% during 2020-2021 (Source: Budget Incentives to Boost Indian Clinical Trial Market, 23 Mar 2020 <http://www.pr-inside.com>)

China: Clinical trial market revenues to continue double digit growth from 2020 through 2022. (Source: Clinical Trial Strategies for Small Pharma <http://www.pharmafocusasia.com>)

The worldwide distribution of clinical trials presents a global opportunity for qualified clinical research professionals, for starting and growing their careers in their home countries, or another country of their choice.

Section 3: Understanding the Earning Potential

Knowing the earning potential in any career path is an important consideration. Salary information will depend on experience and the needs of the hiring companies. Typical starting salaries for new Clinical Research Associates (CRA) are around \$5,000 and higher. Salaries quickly rise with experience. With a couple years' experience, you can expect to earn between \$60,000 and \$75,000. Some of the

Companies pay up to \$120,000 and supply their CRAs with a company car. The following table outlines the current salary ranges for various job titles.

	Job Title	Annual Salary { USD}	
		Low	High
1	Clinical Research Coordinator	41,291	72,865
2	Clinical Research Associate I	45,364	68,057
3	Clinical Research Associate II	56,159	87,176
4	Clinical Research Associate III	67,790	1,06,700
5	Drug Safety Associate	61,368	86,090
6	Drug Safety Specialist	62,355	96,025
7	Drug Safety/Medical Information Specialist I	46,571	70,093

8	Drug Safety/Medical Information Specialist II	53,205	80,539
9	Drug Safety/Medical Information Specialist III	48,648	1,02,397
10	Drug Safety/Medical Information Specialist IV	76,871	1,23,897
11	Medical Officers	1,25,663	2,95,694
12	Medical Liaison	92,419	1,26,406
13	Study Manager	1,01,620	1,32,942
14	Biostatisticians I	50,438	85,319
15	Biostatisticians II	73,833	1,13,696
16	Biostatisticians III	90,476	1,35,883
17	Biostatisticians IV	1,23,691	1,57,142
18	Quality Assurance Manager	59,090	87,724
19	Regulatory affairs Specialist	51,552	75,081
20	Clinical Data Coordinator	43,470	62,959
21	Clinical Data Analyst	48,401	73,192
22	Clinical Data Manager	79,430	114,932
23	SAS Developer	57,930	82,638
24	Clinical Validation Specialist	52,122	82,088
25	Clinical Business Analyst	46,759	65,991
26	Project Manager I	45,549	85,811
27	Project Manager II	63,109	1,07,301
28	Project Manager III	77,791	1,22,997
29	Business Development	90,239	1,10,897

Source: www.salary.com, www.payscale.com, www.hatjobs.yahoo.com/salary

For program information contact



Hyderabad | UAE | Bangalore | Guntur | Ireland | London | USA

Ph: +91 630-2696-589

Email: support@pharmaexa.com

Website: <https://pharmaexa.com>



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