

Cognizant



Life Sciences Thru the Digital Lens

By: Jeannette Go Sy

Director, Life Sciences Digital Operations

May 6, 2019

Life Sciences in a Nutshell

Global healthcare spending

**\$10.059 trillion
by 2022**

Source: Deloitte

\$6Bn

LS BPO Market

Source: Everest

Work Types:

- Clinical Data Management
- Pharmacovigilance
- Signal Detection
- Biostatistics & Programming
- Medical Coding & Writing
- Regulatory Support
- Complaints Management
- Patient Registration
- Customer Service
- Order Management
- Patient Helpdesk



Pharmaceutical



Nanotechnology



Therapeutics

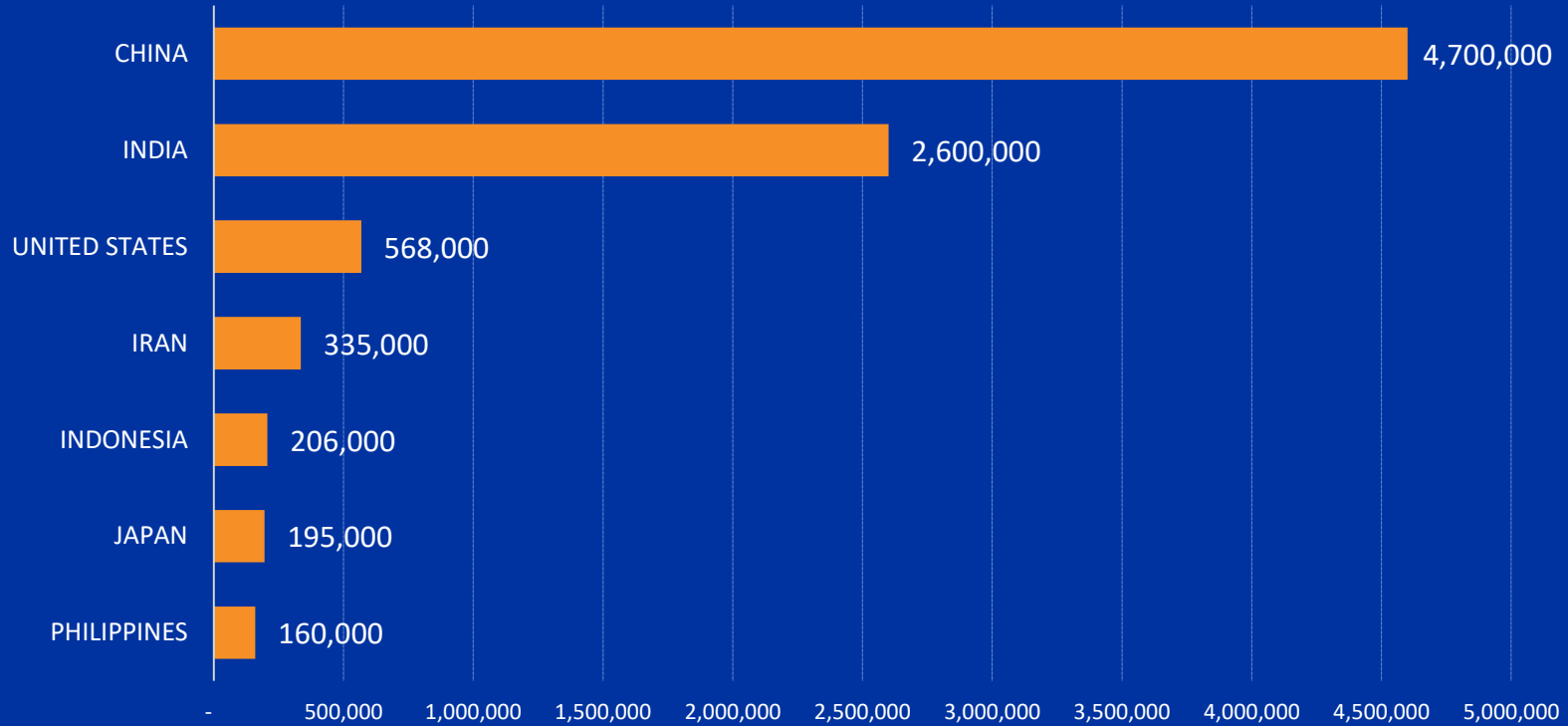


**Medical
Technologies**



Biotechnology

STEM: How we fare against other geos



Sources: World Economic Forum & CHED

Industry Trends

Transactional outsourcing relationships



Strategic, relationship-based models for biologics, data-driven clinical innovation and manufacturing capacity.

Outsourcing expertise in **AI, robotic** and **cognitive automation** and **cloud computing**.

Data-driven clinical innovation



Manufacturing capacity



Accelerating Drug Discovery & Research



Biologics



Contracting for Performance



Patient-Centric Pharmacovigilance



Sources: Deloitte & Everest

Disruptive Technologies



**Artificial
Intelligence (AI)**




**Future of
mobility**



**Cloud
platforms**



Blockchain



**Software-as-a-
Medical-Device
(SaMD)**



**DIY diagnostics
and virtual care**



**Big data &
analytics**



**Internet-of-
medical-things
(IoMT)**

Sources: Deloitte & Everest

Revolutionizing Healthcare



- Test blood sugar levels
- Monitor blood pressure and pulse
- Sleep apnea
- Narcolepsy
- Epileptic Seizure
- Diabetes



- Access a new level of visibility
- New set of data on patients' health
- Better overall image of a patients' condition
- Consultants can prescribe with accuracy
- Easier for Paramedics to prepare for treatment while travelling to the patient

Source: PWC

Life sciences organizations are under pressure to innovate their processes as fast as possible.

Speedy industry solution



Digital Transformation

Future-proofing the Industry



Curriculum enhancement



Focus on STEM



Culture of Ideation promotes
Innovation



Digital Upskilling



Integrated functional and technical to
align business and technology needs

Digital represents
**human interaction
with technology**
and driven by
creating innovative
ways of **connecting
people, channels
and ideas.**

Cognizant

Thank you

