

## Hypertension 2020 – Market Analysis

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Hypertension (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Deep Learning focuses on the development of computer programs that can access data and use it learn for themselves. The process of learning begins with observations or data, such as examples, direct experience, or instruction, in order to look for patterns in data and make better decisions in the future based on the examples that we provide. The primary aim is to allow the computers learn automatically without human intervention or assistance and adjust actions accordingly. Healthcare enables analysis of massive quantities of data. While it generally delivers faster, more accurate results in order to identify profitable opportunities or dangerous risks, it may also require additional time and resources to train it properly. Combining Deep Learning with AI and cognitive technologies can make it even more effective in processing large volumes of information. The aim of the Artificial Intelligence is to build new and/or leverage existing algorithms to learn from data, in order to build generalizable models that give accurate predictions, or to find patterns, particularly with new and unseen similar data.

Growth over past decades that North America and Western Europe still account for 56% of the global market, but Asia Pacific has overtaken Western Europe as the second largest region. Growth in Asia Pacific is fuelled by increased affordability of drugs resulting from the launch of low-priced generics. Other factors that are positive for growth in Asia Pacific are the rise of GDP per capita in the region, government programs to support healthcare, and rapid urbanization, which brings both doctors and pharmacies within easy reach of increasing proportions of growing populations. Pharma sales in Asia Pacific will grow at 9.4% a year to 2021.

With reference to above Ludovic A Krundel from Cogobuy Group, Hong Kong who explained that “Cassandra- A novel versatile fully scalable Predictive Maintenance solution” Cassandra provides accurate Predictive Maintenance for all types of machinery with moving parts and more such as train rails. Also Arindham Chaudhuri from Google, Japan explained that “Visual and textual sentiment analysis through deep learning networks”. Sentiment analysis of social media is an interesting and challenging activity. The proposed sentiment analysis model is applicable towards any social blog dataset. Combining Deep Learning with AI and cognitive technologies can make it even more

effective in processing large volumes of information. The aim of the Artificial Intelligence is to build new and/or leverage existing algorithms to learn from data, in order to build generalizable models that give accurate predictions, or to find patterns, particularly with new and unseen similar data. As per the estimation of WHO, globally more than 1.13 billion of people are affected with Hypertension among which less than 1 in each 5 is under control. Unhealthy diets, lack of physical activities, consumption of alcohol & tobacco are the main contributing factors of Hypertension. To reduce the prevalence by 25% by 2025, WHO along with United States Center for Disease Control and Prevention launched Global heart Initiative in 2016.

Globally, Hypertension or high Blood Pressure leads to 7.5million death cases which shares about 12.8% of all death cases recorded. Healthcare enables analysis of massive quantities of data. While it generally delivers faster, more accurate results in order to identify profitable opportunities or dangerous risks, it may also require additional time and resources to train it properly. Combining Deep Learning with AI and cognitive technologies can make it even more effective in processing large volumes of information. The aim of the Artificial Intelligence is to build new and/or leverage existing algorithms to learn from data, in order to build generalizable models that give accurate predictions, or to find patterns, particularly with new and unseen similar data.

Hypertension is also accounts about 57million disabilities adjusted life years which is about 3.7% of total adjusted life years. Hypertension is the primary risk factor of coronary heart disease, ischemic & haemorrhagic stroke.

Global prevalence of Hypertension in adult aged>25 was about 40% in 2008. Between 1980 to 2008 the prevalence was moderate. But, due to sharp growth in population, ageing population the uncontrolled Hypertension reached to 1 billion 2008 from 600 million. The prevalence of Hypertension was highest in Africa (>40%) and lower in Americas (35%).

As per a statement of World Health Organization (WHO), Hypertension is one of the silent killers in 21st century and is one of the biggest global public health concerns. Hypertension is major contributors of cardiac complications, stroke, heart diseases, kidney failure, blindness, including premature death and disabilities. Hypertension is curable as well as treatable for which

there is a need of involvement from individual entities, government and private sectors, health workers, civil societies and moreover individual awareness is highly recommended.

As per the research of some independent firm, global Hypertension drug market is estimated to be \$24.7billion in 2018 & expected to hit about \$19.3 billion by 2029 with an annual CAGR of -2.3% in between 2019 to 2029. Main Drugs in the Hypertension market are Taclear, Uptravi, Opsumit, Letairis, Adcirca, Revatio, Adempas, Veletri, Oremitram, Tyvaso, Remodulin. Major classes of drugs used are: Calcium Channel Blockers, Diuretics, Beta Blockers Vasodilators, Angiotensin Converting Enzyme Inhibitors, Alpha Blockers, Angiotensin Receptor Blockers, and Renin Inhibitors. Major players in the anti-hypertensive drugs market are: Actelion, AstraZeneca, Boehringer Ingelheim, Daiichi Sankyo, Johnson & Johnson, Merck & Co., Novartis, Pfizer, Sanofi Aventis and United Therapeutics.

We are happy to announce our next conference “8th International Conference on Hypertension and Healthcare” Congress which is scheduled in August 10-11, 2020 Dubai, UAE.



#### Reference:

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