

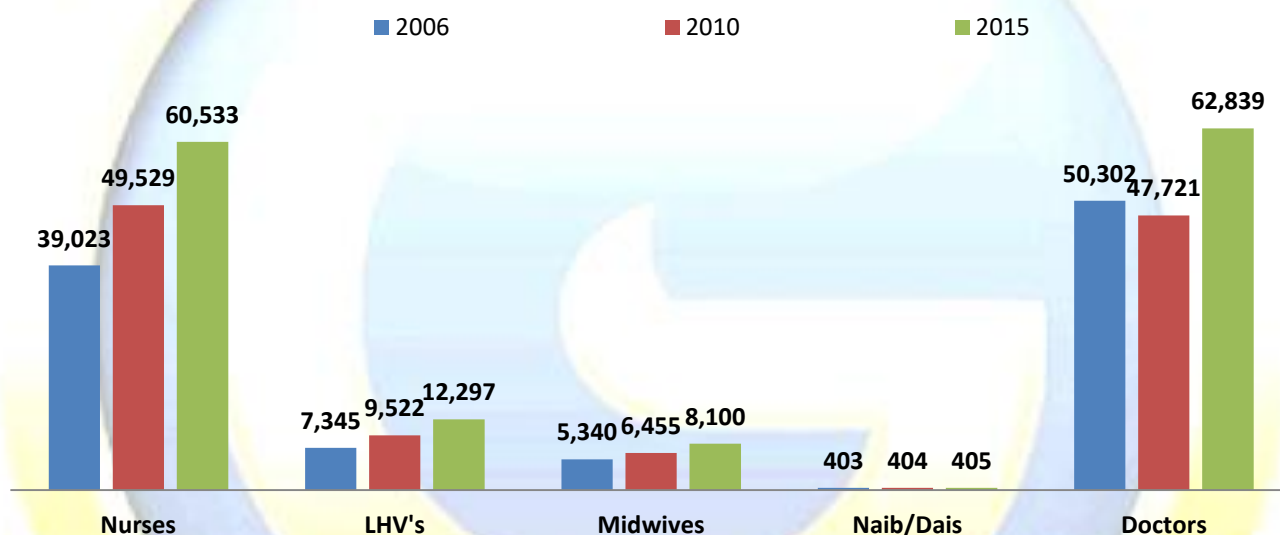


Special Press Release (Big Data Analytics)
HEALTH FACILITIES IN PUNJAB
Issue 3

2006-2015: Over a period of 9 years, in comparison to other medical personnel, workforce of Lady Health Workers experiences the greatest increase (by 67%) in Punjab, only 1% net increase in registered medical doctors: Gallup Pakistan Big Data Analytics Team

Islamabad, January 31, 2018

As quoted in Statistical Pocket Book 2017, according to Pakistan Nursing Council (PNC), over a period of 9 years, the nursing workforce in Punjab has experienced a growth of 55% (39,023 to 60,533). The number of lady health workers in Punjab has increased by 67% (7,345 to 12,297) and number of midwives has increased by 52% (5,340 to 8,100). Meanwhile, number of Naib/Dais shows an insignificant increase of 0.5% since 2006.



Source: Pakistan Nursing Council (PNC).
 Quoted in Statistical Pocket Book 2017
<http://bos.gop.pk/system/files/pb%202017.pdf>

%age Growth in Medical Staff between 2006-2015		Population Growth between 2006-2015	Net Growth 2006-2015 (growth in medical staff – population growth)
Doctors	25%	24%	+1%
Nurses	55%	24%	+31%
LHV's	67%	24%	+43%
Midwives	52%	24%	+30%
Dai's	0.5%	24%	-23.5%

Source: Gallup Pakistan Data Analysis
 Population estimates taken from Pakistan Economic Survey

The population of Punjab was estimated to be 86 million in 2006. Keeping in mind that figure, there was only 1 nurse per 2,204 people, 1 LHV per 11,708 people, 1 midwife per 16,104 people, 1 Naib per 213,339 people and 1 doctor per 1,709 people.

In 2015, the population of Punjab saw a rise of 24% from 2006 (a period of 9 years) to nearly 107 million people. In accordance to that figure, there was 1 nurse per 1,767 people, 1 LHV per 8,701 people, 1 midwife per 13,209 people, 1 Naib per 264,197 people and 1 doctor per 1,702 people.



Net Growth in Medical Staff Availability:

We believe that the growth in supply of medical staff, such as the increase in registered medical doctors can only be meaningful when looked at in perspective of growth in population. The net growth, in the above table, therefore is computed as a more refined yardstick. As the numbers show, the net growth in doctors is only 1% when one accounts for population growth, while the net growth for paramedic staff such as nurses and LHV's is ranging between 30-45% which is a healthy growth. However, the high net growth is also partly because the base from which the growth is computed i-e number in 2006, are so low. In other words, whereas growth is high, significant efforts are needed to reach an optimal level in which there is adequate supply for common man to access.

Big Data Analytics Series:

This press release is part of Gallup Pakistan's Big Data Analytics Project which aims to bring to public attention, piece by piece, the vast wealth of data produced in Pakistan but seldom used and more often than not buried in deluge of other forms of documentation and reports. In this data analytics exercise, we intend to look at all aspects of life including health, social issues, economy, trade etc. Various data sets varying in terms of producers (government, private sector) and origins (some are surveys; others are supply side transactional data) would be analysed under this initiative. The aim remains, as is the case with other Gallup and Gilani Research Foundation endeavors, a more empirical, fact and evidence based understanding of public interest issues.

Methodology: The data for this analysis is based on Statistical Pocket Book 2017 and then analysed by Gallup Pakistan team. Any omission or error cannot be ruled out.

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