

B. Statistical View in Chart:

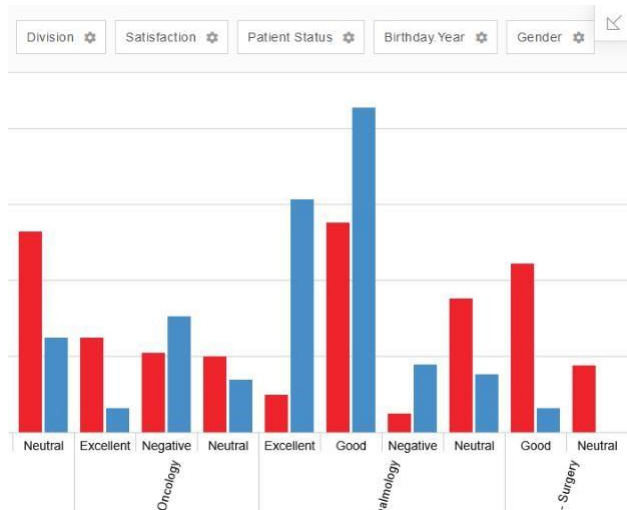


Fig 5: Statistical view in chart of patient satisfaction

C. Line Chart of patient satisfaction:

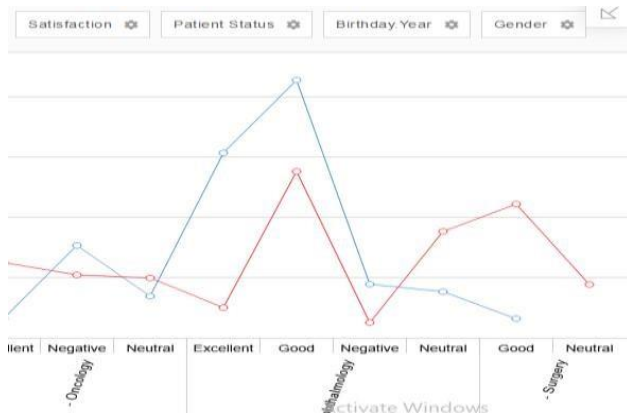


Fig 6: Line Chart of patient satisfaction

D. Pie-Chart of patient satisfaction:

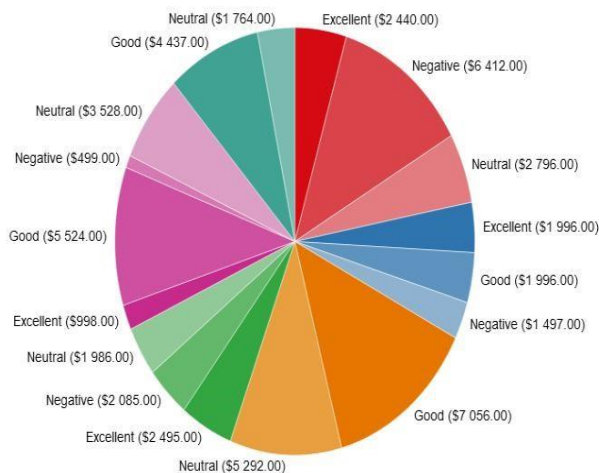


Fig 7: Pie-Chart of patient satisfaction.

VI. CONCLUSION

Our tool is very effective patient satisfaction and clinical healthcare data analytics. From Fig4-7 [17] we should try to represent patient satisfaction data clearly. It provides to easily represent data for data analytics using statistical formulas. In future work these tools are increased scalable system of patient satisfaction. [18] [19].

There is more point of view our tool uses in public healthcare system. It plays an important role in regulating our life in patient and clinical healthcare data [20] analytics.

VII. FUTURE PLAN

Our future plans include incorporating a national level dataset from the Bangladesh public healthcare context and developing a Real-time dashboard to forecast public health issues. We want to develop our patient satisfaction into clinical healthcare in public sector in Bangladesh and we want to use our patient satisfaction web based tools with professionally in marketplace and trade.

VIII. REFERENCES

- [1] Khan, S. I., & Hoque, A. S. M. L. (2015). Development of national health data warehouse for data mining. *Database Systems Journal*, 6(1), 3-13.
- [2] Spil, Ton & Stegwee, Robert & Teitink, C.J.A. (2002). Business intelligence in healthcare organizations. 9 pp. 10.1109/HICSS.2002.994108.
- [3] George, Joseph, B. Vijay Kumar and V. Santhosh Kumar. "Data Warehouse Design Considerations for a Healthcare Business Intelligence System." (2015).
- [4] Donald J. Berndt, Alan Hevner of University of South Florida "Healthcare data warehousing and quality assurance" 2010.
- [5] Thien an Ngoc Nguyen and M-Tahar Kechadi, Arsalan Shahid (2021) "Big Data Warehouse for Healthcare-Sensitive Data Applications"
- [6] Hamoud, Alaa, Ali Salah Hashim, and Wid Akeel Awadh. "Clinical data warehouse: a review." *Iraqi Journal for Computers and Informatics* 44, no. 2 (2018).
- [7] Gavrilov, Goce, Elena Vlahu-Gjorgievska, and Vladimir Trajkovik. "Healthcare data warehouse system supporting cross-border interoperability." *Health informatics journal* 26, no. 2 (2020): 1321-1332.
- [8] Poenaru, Cristina Elena, Daniel Merezeanu, Radu Dobrescu, and Eugenie Posdarascu. "Advanced solutions for medical information storing: Clinical data warehouse." In *2017 E-Health and Bioengineering Conference (EHB)*, pp. 37-40. IEEE, 2017.
- [9] Karami, M., A. Rahimi, and A.H. Shahmirzadi, Clinical Data Warehouse: An Effective Tool to Create Intelligence in Disease Management. *The healthcare manager*, 2017. 36(4): p. 380-384.
- [10] Garcelon, N., et al., A clinician friendly data warehouse oriented toward narrative reports: Dr. Warehouse. *Journal of biomedical informatics*, 2018. 80: p. 52-63.
- [11] Chelico, J.D., et al. Designing a Clinical Data Warehouse Architecture to Support Quality Improvement Initiatives. in *AMIA Annual Symposium Proceedings*. 2016. American Medical Informatics Association.