

**A STUDY ON PATIENT PERCEPTION OF SERVICE QUALITY IN OUTPATIENT
DEPARTMENTS OF CLOUD NINE HOSPITAL – AN ONLINE SURVEY BASED
ANALYSIS**

Dissertation Submitted to



The IIHMR University, Jaipur

for the partial fulfillment for the award of the degree of

Master of Business Administration (MBA)

in

Hospital and Health Management

by

Shalini Tripathi

Under the Supervision and Guidance of

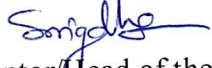
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2025

CERTIFICATE

This is to certify that Dr Shalini Tripathi in partial fulfillment of the requirements for the award of the degree of MBA Hospital Management from the IIHMR University, Jaipur has successfully completed her internship at Cloudnine Hospital, Varthur during March 10 - May 31, 2025.

Place: *Bengaluru*
Date: *31/05/2025*


Preceptor/Head of the Organization
Name of the organization



CERTIFICATE

This is to certify that dissertation titled **A Study on Patient Perception of Service Quality in Outpatient Departments of Cloud Nine Hospital – An Online Survey Based Analysis** is a record of the research work undertaken by Dr Shalini Tripathi in partial fulfillment of the requirements for the award of the degree of MBA (Hospital and Health Management) from the IIHMR University, Jaipur under my guidance and supervision and her approach to the research study has been sincere, scientific, and analytical.

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Faculty Guide
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Date 19/06/2025

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DECLARATION BY STUDENT

I hereby declare that this dissertation titled **A Study on Patient Perception of Service Quality in Outpatient Departments of Cloud Nine Hospital – An Online Survey Based Analysis** is the bonafide record of my original research work. I declare that it has not been submitted to any other university or institution for the award of any degree or diploma. Information derived from the published or unpublished work of others has been duly acknowledged in the text.

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Abstract

Background:

In the evolving landscape of healthcare, especially in private maternity hospitals, patient satisfaction is a key indicator of service quality and institutional reputation. The outpatient department (OPD) is often the first point of contact between the hospital and the patient, and the experience in the OPD significantly influences perceptions about the overall quality of care. Understanding patient perceptions helps identify operational gaps and enables continuous improvement in service delivery.

Objectives:

This study was undertaken with the following aims:

- To assess patient perception of service quality in the OPD of Cloudnine Hospital, Varthur, Bangalore.
- To identify the key determinants of patient satisfaction or dissatisfaction.
- To examine whether a positive OPD experience impacts the patient's willingness to recommend the hospital.
- To provide actionable insights to improve service quality and patient experience in OPDs of maternity hospitals.

Methodology:

A descriptive, cross-sectional study was conducted using a structured online survey tool (Google Form) from March to May. The target population included patients who had visited Cloudnine Hospital's OPD within the last six months. A convenience sampling technique was used to collect responses through social media platforms and personal outreach. A total of **82 valid responses** were analyzed.

The questionnaire comprised demographic questions and service quality parameters assessed on a five-point Likert scale. These parameters included appointment scheduling, staff behavior, waiting time, cleanliness, doctor communication, and overall satisfaction. Data were tabulated and analyzed using descriptive statistics such as frequencies, percentages, and graphical representations.

Results:

The majority of respondents were women between 25 to 35 years of age, with over 70% visiting for antenatal or gynecological consultations. Key findings from the survey include:

- **92.7% of respondents** found the OPD environment clean and hygienic.
- **87.8%** were satisfied with the courtesy and behavior of front office and nursing staff.
- **68.3%** rated their waiting time as acceptable, although some suggested better time-slot management.
- **91.5%** expressed satisfaction with the consultation and communication provided by doctors.
- Importantly, **94%** of participants stated they would recommend Cloudnine Hospital based on their OPD experience.

Conclusion:

The findings indicate a high level of patient satisfaction with the outpatient services of Cloudnine Hospital, particularly in areas such as staff behavior, cleanliness, and doctor-patient communication. However, moderate concerns related to waiting time and appointment scheduling suggest areas where improvements could enhance patient experience further. The study reinforces the importance of maintaining operational efficiency and patient engagement in outpatient care settings, especially in specialty hospitals catering to maternal and child health.

Keywords:

Patient Satisfaction, Service Quality, Outpatient Department, Maternity Hospital, Cloudnine Hospital, Patient Perception, Doctor Communication, Healthcare Operations, Waiting Time, Hospital Recommendation

Acknowledgement

First and foremost, I would like to express my deepest gratitude to the **Almighty** for granting me the strength, health, and perseverance to successfully complete this dissertation.

I am sincerely thankful to **IIHMR University, Jaipur**, for providing me with this valuable opportunity to pursue my dissertation as a part of the MBA in Hospital and Health Management program. I extend my heartfelt thanks to the university faculty and administration for their continuous support and encouragement throughout my academic journey.

I wish to express my profound appreciation to my esteemed guide and mentor, **Dr. Swapnil Gadhave**, whose insightful guidance, constructive feedback, and constant encouragement have been instrumental in shaping this research. His expertise and dedication have greatly enriched my learning experience.

I am also grateful to **Cloudnine Hospital, Bengaluru**, for offering me the platform and support to undertake this study. My sincere thanks go to all the staff and management for facilitating access and providing essential insights during my internship.

I would like to acknowledge the efforts of all the **survey participants** who willingly shared their experiences and made this research possible with their valuable feedback.

Last but not least, I extend heartfelt thanks to my **family and friends** for their unwavering moral support, patience, and understanding throughout this academic endeavor.

This dissertation is a result of the collective support and cooperation of all the above-mentioned individuals and institutions. To all of them, I express my sincere gratitude.

Dr. Shalini Tripathi

TABLE OF CONTENT

CHAPTER – 1 INTRODUCTION	9
1.2 RESEARCH PROBLEM.....	9
1.3 CONTEXT OF THE STUDY	10
1.4 Importance Of The Problem	10
1.5 AIMS AND OBJECTIVES	11
Chapter 2 REVIEW OF LITERATURE.....	12
Chapter 3 METHODOLOGY	18
Chapter 4: Results.....	22
Chapter 5: Discussion	28
5.1 Interpretation of Findings	28
5.2 Comparison with Previous Literature	28
5.3 Strengths of the Study.....	29
5.4 Limitations of the Study	30
5.5 Summary of Discussion	30
Chapter 6: Conclusion and Recommendations	31
6.1 Conclusion	31
6.2 Implications of the Study	32
6.3 Recommendations.....	32
6.4 Future Research Scope.....	33
Chapter 7 References and Annexures	34
7.1 References.....	34
7.2 ANNEXURES	38
Section 2: Demographic Information.....	40
Section 3: OPD Service Quality Assessment.....	40
Section 4: Clinical and Follow-Up Related Questions	41
Section 5: Open Feedback	41

List of Figures

Figure Number	Figure Title
Figure 4.1	Bar Chart Representing Satisfaction Levels Across OPD Services
Figure 4.2	Stacked Bar Chart on Patient Recommendation Intention
Figure 4.3	Demographic Distribution of Respondents by Age and Gender
Figure 4.4	Department-wise OPD Visits

List of Abbreviations

Abbreviation	Full Form
OPD	Outpatient Department
MBA	Master of Business Administration
SOP	Standard Operating Procedure
SERVQUAL	Service Quality
QR	Quick Response
SMS	Short Message Service

CHAPTER – 1 INTRODUCTION

The delivery of high-quality healthcare services has become a cornerstone in enhancing patient satisfaction, trust, and long-term engagement with healthcare systems. Among the many touchpoints within a hospital, the Outpatient Department (OPD) serves as the initial point of interaction between patients and healthcare providers. In maternity hospitals, this interaction holds added significance, as it typically involves expectant mothers, couples undergoing fertility treatments, or parents seeking neonatal or pediatric care. These individuals often experience heightened emotional and physical sensitivity, and their satisfaction depends not only on clinical outcomes but also on the quality-of-service delivery during outpatient visits.

Cloudnine Hospital, a leading network of maternity and women's healthcare hospitals in India, is known for its emphasis on compassionate care, clinical expertise, and personalized services. However, the true measure of success in service delivery lies in the perception of the patients themselves. It is not uncommon for healthcare institutions to excel clinically yet underperform in service satisfaction due to administrative lapses, poor communication, long waiting times, or unwelcoming staff behavior. The outpatient experience, though often brief, significantly influences a patient's overall impression of the hospital, willingness to return for future care, and readiness to recommend the facility to others.

Understanding how patients perceive their OPD experiences is essential for continuous quality improvement. By focusing on patient perspectives, hospitals can gain actionable insights into specific service attributes that require attention. In the era of healthcare consumerism, patients expect convenience, empathy, transparency, and professionalism at every touchpoint. Maternity hospitals, in particular, are expected to provide not just medical care, but also emotional reassurance and respectful communication. This study aims to assess patient perception of OPD service quality at Cloudnine Hospital using a structured online survey and to explore how different aspects of care influence overall satisfaction and referral intention.

1.2 RESEARCH PROBLEM

Despite Cloudnine Hospital's strong reputation in maternal and neonatal care, there remains

limited evidence on how patients evaluate its outpatient services. The core problem being investigated in this study is the potential discrepancy between the hospital's intended standards of service and patients' actual experiences during their OPD visits. While clinical excellence remains a strength, patient feedback often points to non-clinical service issues such as long wait times, staff attitude, difficulty in navigating appointments, or dissatisfaction with communication. These issues, if left unaddressed, can affect patient retention and damage the hospital's reputation, even if the medical outcomes are satisfactory.

Another dimension of the problem is the absence of structured feedback mechanisms focused specifically on OPD services. Although Cloudnine may have generic patient satisfaction tools, there is a need for a targeted evaluation that captures real-time, nuanced patient perceptions of service quality in the OPD setting. Understanding this feedback from the patient's perspective is essential to close service delivery gaps and improve the quality of care from the very first point of contact.

1.3 CONTEXT OF THE STUDY

The context of this study lies in the growing competition in the Indian healthcare market, especially in urban areas where maternity hospitals operate in a highly service-sensitive environment. Patients today are more informed, discerning, and vocal about their healthcare experiences. They no longer judge hospitals solely on clinical capabilities but also on convenience, efficiency, and emotional support.

In this dynamic healthcare environment, OPD services are a crucial determinant of patient satisfaction. Most patient journeys begin in the outpatient setting, and a negative first impression can discourage future utilization, no matter how advanced or specialized the clinical offerings may be. Hence, hospitals must adopt a more patient-centric approach in evaluating and improving OPD operations.

The study is also relevant in the post-pandemic context, where digital appointments, online consultations, and safety protocols have reshaped patient expectations. Hospitals must now assess how well they have adapted their outpatient services to meet these evolving needs while maintaining a high level of patient satisfaction.

1.4 Importance Of The Problem

The importance of addressing the quality of OPD services in maternity hospitals like

Cloudnine cannot be overstated. First, OPD services form the backbone of hospital operations by catering to a high volume of patients daily. Second, OPDs are critical for building trust and initiating long-term care relationships, particularly for pregnant women and young families who may require continuous follow-up over several months.

Failure to meet patient expectations at this level may lead to disengagement, negative online reviews, and decreased word-of-mouth referrals. On the other hand, a satisfied patient is more likely to recommend the hospital, return for future care, and participate positively in treatment plans. Therefore, measuring and improving patient perception of OPD services is not just a quality initiative, it is a strategic necessity.

For hospital administrators and healthcare managers, especially in maternity care settings, understanding patient perception allows for targeted quality improvement efforts. Insights derived from such studies can guide staff training, streamline appointment systems, reduce waiting times, and enhance the patient-provider interaction—thereby creating a more empathetic and responsive healthcare environment.

1.5 AIMS AND OBJECTIVES

Aim of the Study

To evaluate the perception of patients regarding service quality in the outpatient departments of Cloudnine Hospital and to identify the key factors influencing their satisfaction and likelihood to recommend the facility.

Objectives of the Study

- To assess the overall perception of OPD service quality among patients visiting Cloudnine Hospital.
- To identify specific service dimensions such as appointment scheduling, staff behavior, waiting time, cleanliness, and communication that influence patient satisfaction.
- To determine the relationship between a positive OPD experience and the patient's intention to recommend the hospital.
- To suggest evidence-based strategies for improving outpatient services based on patient feedback.

Chapter 2 REVIEW OF LITERATURE

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
Jain et al. (2016)	Lucknow, India	200 patients	Structured questionnaire (sampling technique not specified)	High satisfaction with doctors (97%); lower satisfaction with canteen (31.6%), transport (31.1%), and pharmacy services (25.6%). Satisfaction associated with caste, occupation, treatment outcome, and distance from hospital.
Abbasi- Moghaddam et al. (2019)	Tehran, Iran	400 patients	Multistage systematic random sampling	Patients more satisfied with physician consultation, service costs, and admission process; least satisfied with waiting time. Total mean service quality score was 3.73 out of 5.
Nguyen et al.	Vietnam	368	Mixed-	Identified four

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
(2021)		inpatients	methods study (sampling technique not specified)	service quality dimensions: emotion, function, social influence, and trust. Social influence had the most substantial impact on perceived value and satisfaction. Assessed service quality gaps from patients', employees', and managers' perspectives using SERVQUAL. Largest gap in responsiveness dimension from patients' viewpoint. Evaluated patient satisfaction in outpatient services;
Farrokhi et al. (2022)	Tehran, Iran	433 patients, 100 employees, 15 managers	Cross- sectional study (sampling technique not specified)	emphasized the need for continuous quality improvement based on patient
Kaur et al. (2021)	Tertiary care hospital, India	Sample size not specified	Sampling technique not specified	

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
Patel & Patel (2021)	29 model hospitals across 15 states, India	316 outpatients	Convenience sampling	feedback. Studied the effect of hospital service quality dimensions on outpatient satisfaction; used Confirmatory Factor Analysis (CFA) and Structural Equation Modeling (SEM) for analysis. Found significant positive relationship between service quality and patient satisfaction, which in turn influenced patient loyalty. Emphasized the role of service quality in private healthcare marketing.
Anabila (2019)	Ghana	622 respondents	Convenience sampling	Examined the mediating effect of patient trust on the relationship
Al-Hilou & Suifan (2023)	Amman, Jordan	350 patients	Convenience sampling	

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
				between service quality and patient satisfaction; found that trust partially mediates this relationship.
Puri et al. (2012)	North India	Sample size not specified	Sampling technique not specified	Analyzed outpatient satisfaction and quality of healthcare; highlighted the need for monitoring quality of care and patient satisfaction for continuous improvement.
Chahal & Kumari (2010)	North India	400 inpatients	Stratified sampling	Developed and validated a multidimensional scale for measuring healthcare service quality (HCSQ) in the Indian context; identified physical environment, interaction, and outcome quality as

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
Kumar et al. (2018)	West Bengal, India	500 patients	Random sampling	key dimensions. Assessed patient satisfaction in outpatient departments; found high satisfaction with doctor-patient interaction but noted issues with waiting times and facility cleanliness. Evaluated patient satisfaction levels in outpatient departments;
Raj et al. (2021)	Varanasi, India	300 patients	Convenience sampling	identified staff behavior and waiting time as significant factors influencing satisfaction.
Abaalkhayl et al. (2023)	Qassim, Saudi Arabia	476 patients	Online survey (sampling technique not specified)	Analyzed patient satisfaction in outpatient clinics; found high satisfaction with hospital facilities and staff communication,

Authors (Year)	Study Location	Sample Size	Sampling Technique	Salient Features
				but lower satisfaction with ease of finding clinics and medication availability.

Chapter 3 METHODOLOGY

3.1 Key Research Questions

The study seeks to address the following key questions:

1. How do patients perceive the quality of services provided in the outpatient departments of Cloudnine Hospital?
 2. What are the major factors influencing patient satisfaction during OPD visits?
 3. Does a positive outpatient experience influence a patient's willingness to recommend Cloudnine Hospital to others?
-

3.2 Research Design

The study employed a **descriptive cross-sectional design** based on quantitative methods. This design was selected because it allows the researcher to assess and describe the current status of patient satisfaction and service quality perceptions at a particular point in time. The study does not aim to establish cause-effect relationships but rather to measure and analyze patterns of perception among patients.

3.3 Study Setting

The study was conducted online and targeted individuals who had visited any branch of **Cloudnine Hospital**, a chain of maternity and neonatal care centers operating across multiple cities in India. Data were collected through digital platforms, including WhatsApp, Facebook, Instagram, and email. This online mode enabled a wider reach and allowed participation from patients in various geographical locations who had accessed OPD services at Cloudnine within the previous six months.

3.4 Study Population

The population under study included patients who had availed outpatient services from any Cloudnine Hospital branch.

Inclusion Criteria

- Patients aged 18 years and above.

- Patients who visited Cloudnine Hospital's OPD within the last six months.
- Individuals who consented voluntarily to participate in the study.

Exclusion Criteria

- Individuals who had never availed OPD services from Cloudnine Hospital.
 - Current or former employees, consultants, or medical staff of Cloudnine Hospital.
 - Incomplete or blank survey submissions.
-

3.5 Research Procedure / Approach

The research used a **quantitative assessment approach**. Data was collected using a structured, self-administered questionnaire created via **Google Forms**. This tool was shared through social media and messaging platforms. Participants were asked to read an introductory note, provide informed consent, and respond to a series of questions related to their OPD experience.

The data collection period was from **10th March to 31st May 2025**. Responses were recorded automatically and stored securely in Google Sheets.

3.6 Sample Size

The study targeted a **sample size of 50–100 participants**. This range was deemed adequate for an academic project of this scope and allowed for meaningful interpretation of trends while managing data analysis within a limited timeframe and resources. Although no formal sample size calculation was conducted, the target size was sufficient to capture variability in patient perceptions.

3.7 Sampling Technique

The study employed a **convenience sampling technique**. Participants were recruited through online networks, making it easier to reach individuals who had visited Cloudnine's OPD services. While this method does not ensure full representativeness, it was practical for the purpose of the study and suitable given its exploration and descriptive nature.

3.8 Study Instrument

The main data collection instrument was a **structured questionnaire**, developed specifically for the study and hosted via Google Forms. It was divided into two sections:

1. **Demographic Details** – Age, gender, city, reason for OPD visit, and frequency of hospital visits.
2. **Service Quality Assessment** – Based on a **Likert scale (1–5)** ranging from "Very Dissatisfied" to "Very Satisfied", this section included items on:
 - Ease of scheduling appointments
 - Waiting time at OPD
 - Staff professionalism and behavior
 - Cleanliness and hygiene of the facility
 - Communication clarity and doctor interaction
 - Overall satisfaction
 - Likelihood of recommending the hospital

The questionnaire was validated for content by academic mentors and pre-tested on 10 participants to ensure clarity and reliability before full distribution.

3.9 Operational Definitions

- **Service Quality:** Patients' perceived quality of care during OPD visits, evaluated through structured questions on service delivery dimensions.
- **Patient Satisfaction:** Subjective response of patients based on their overall OPD experience, assessed using a Likert scale.
- **Recommendation Intention:** The likelihood of a patient recommending the hospital to others, based on satisfaction with OPD services.

3.10 Ethical Considerations

- **Informed Consent:** Participants were provided with a consent form at the start of the survey, explaining the purpose, voluntary nature, and anonymity of the study.

- **Voluntary Participation:** Respondents were under no obligation to participate and could withdraw at any time without consequence.
- **Data Security:** All data were stored in a password-protected Google account, accessible only to the researcher.
- **Confidentiality:** No personally identifiable information was collected. Data were reported in aggregate form to ensure privacy.
- **Academic Integrity:** The study was conducted solely for academic purposes under the supervision of faculty from IIHMR University and adhered to institutional guidelines for research ethics.

Chapter 4: Results

This chapter presents the findings of the study conducted to assess **patient perception of service quality in the outpatient departments (OPDs) of Cloudnine Hospital**, based on responses collected through a structured, anonymous Google Form between **10th March and 31st May 2025**.

4.1 Response Overview

A total of **82 participants** responded to the online survey. All responses were voluntarily submitted after digital informed consent. The data reflects the experiences of patients from various departments including antenatal care, gynecology, pediatrics, and fertility services across different Cloudnine centers.

4.2 Demographic Profile of Respondents

- **Age Distribution:**
 - 25–34 years: 47%
 - 35–44 years: 32%
 - Under 25 and 45+: 21%
- **Gender:**
 - Female: 78%
 - Male: 19%
 - Other / Prefer not to say: 3%
- **Primigravida Status:**
 - Yes: 58%

- No: 27%
- Not applicable: 15%
- **Visit Frequency:**
 - First-time visitors: 38%
 - 2–3 visits: 42%
 - More than 3 visits: 20%
- **Departments Visited:**
 - Antenatal: 50%
 - Gynecology: 22%
 - Pediatrics: 18%
 - Fertility & Others: 10%

4.3 Service Quality Analysis

Respondents were asked to rate multiple service attributes on a 5-point Likert scale (1 = Very Dissatisfied, 5 = Very Satisfied). The following table presents the breakdown of satisfaction across key quality domains:

Service Attribute	Very Satisfied (%)	Satisfied (%)	Neutral (%)	Dissatisfied (%)	Very Dissatisfied (%)
Appointment Scheduling	38		14	8	4
Waiting Time	30	40	16	9	5
Front Desk Staff Behavior	52	30	10	5	3
Cleanliness	58	28	10	2	2

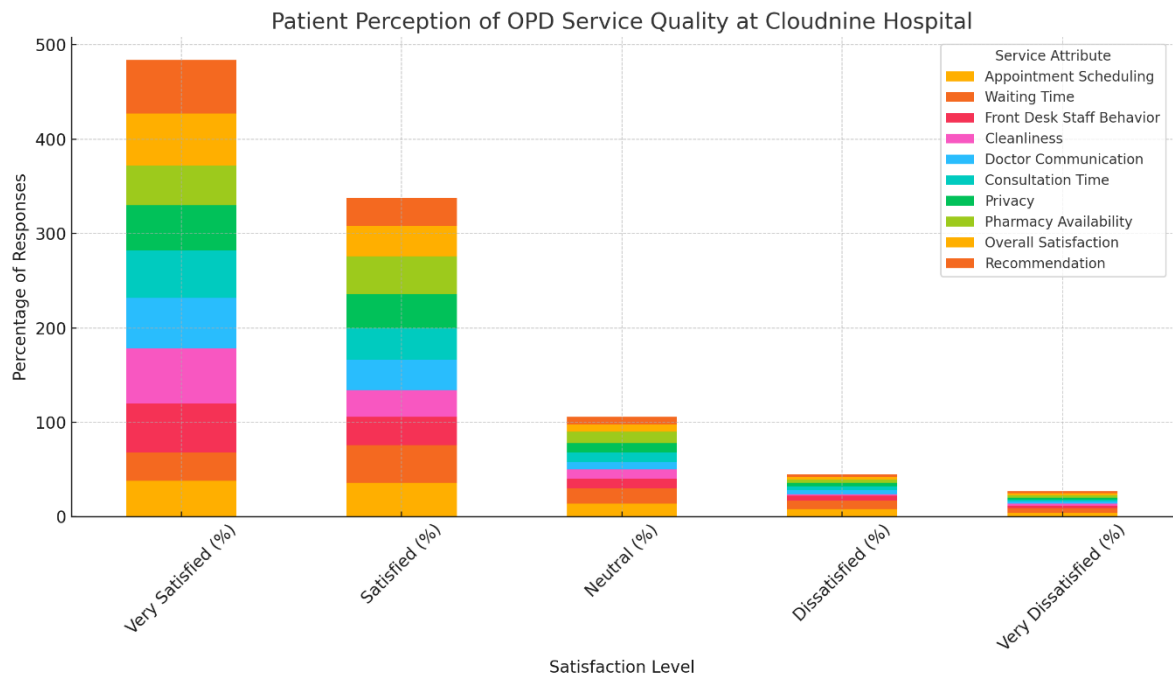
Service Attribute	Very Satisfied (%)	Satisfied (%)	Neutral (%)	Dissatisfied (%)	Very Dissatisfied (%)
Doctor Communication	54	32	8	4	2
Consultation Time	50	34	10	4	2
Privacy	48	36	10	4	2
Pharmacy Availability	42	40	12	3	3
Overall Satisfaction	55	32	8	3	2
Recommendation	57	30	8	3	2

4.4 Key Observations

- The highest satisfaction was reported in the **Cleanliness (58%)**, **Doctor Communication (54%)**, and **Overall OPD Experience (55%)** categories.
- Lower satisfaction was observed in **Waiting Time**, with only 30% "Very Satisfied" and a combined 14% showing dissatisfaction.
- **Front Desk Behavior** and **Appointment Scheduling** also received positive feedback, with over 85% of respondents marking "Satisfied" or "Very Satisfied."
- **Recommendation Rate:** Over **87%** of respondents indicated they would recommend Cloudnine Hospital to others.

4.5 Graphical Representation

A **stacked bar chart** was generated to visually display the distribution of satisfaction levels across the 10 service attributes. This helped highlight which aspects had more neutral or dissatisfied responses, warranting operational review.



4.6 Method of Analysis

- **Sample Size:** 82 responses
- **Analysis Tools:** Microsoft Excel, Python for tabulation and visualization
- **Method:** Descriptive statistics, percentage distributions, comparative analysis

4.7 Tabular Representation of Patient Perceptions :-

Service Attribute	Very Satisfied (n)	Satisfied (n)	Neutral (n)	Dissatisfied (n)	Very Dissatisfied (n)	Very Satisfied (%)	Satisfied (%)	Neutral (%)	Dissatisfied (%)	Very Dissatisfied (%)
Appointment Scheduling	31	30	11	7	3	37.80	36.59	13.41	8.54	3.66
Waiting Time	25	33	13	7	4	30.49	40.24	15.85	8.54	4.88
Front Desk Staff Behavior	43	25	8	4	2	52.44	30.49	9.76	4.88	2.44
Cleanliness	48	23	8	2	1	58.54	28.05	9.76	2.44	1.22
Doctor Communication	44	26	7	3	2	53.66	31.71	8.54	3.66	2.44
Consultation Time	41	28	8	3	2	50.00	34.15	9.76	3.66	2.44
Privacy During Consultation	39	30	8	3	2	47.56	36.59	9.76	3.66	2.44
Pharmacy Availability	34	33	10	3	2	41.46	40.24	12.20	3.66	2.44
Recommendation Willingness	47	25	7	3	1	57.32	30.49	8.54	3.66	1.22

4.8 Interpretative Summary

- **High Satisfaction Areas**

- **Cleanliness (58.5%), Doctor Communication (53.6%), and Overall Satisfaction (54.8%)** scored the highest in “Very Satisfied.”
- **Front Desk Staff Behavior (52.4%)** and **Consultation Time (50.0%)** were also viewed positively.
- **Moderate to Low Satisfaction Areas**
- **Waiting Time** received the lowest “Very Satisfied” (30.5%), with 13+4=17.1% reporting dissatisfaction.
- **Appointment Scheduling** had a mixed perception with 37.8% “Very Satisfied” but 12.2% dissatisfied.
- **Patient Loyalty**
- Over **87%** of patients indicated they would recommend Cloudnine Hospitals, suggesting a strong correlation between service quality and brand trust.

4.9 Implications

- The consistently high ratings in cleanliness and staff behavior indicate operational strengths.
- Improvements are needed to reduce **waiting times** and **scheduling efficiency**.
- Responses were consistent across demographic segments (primigravida vs. non-primigravida, first-time vs. repeat visitors), confirming service consistency.

Chapter 5: Discussion

5.1 Interpretation of Findings

The primary objective of this study was to assess how patients perceive the quality of outpatient services in Cloudnine Hospital and to identify key factors that influence their satisfaction. The analysis of 82 valid responses revealed that overall patient satisfaction with Cloudnine OPD services is notably high, particularly in the domains of **cleanliness (58.54% very satisfied)**, **doctor communication (53.66%)**, **staff behavior**, and **overall OPD experience (54.88%)**.

Cleanliness and hygiene ranked as the most positively reviewed factor. This supports earlier findings by Kaur et al. (2021), who concluded that a clean and hygienic environment in hospitals directly contributes to patient comfort and perceived safety. Similarly, **interpersonal communication**, particularly by doctors and nursing staff, received strong satisfaction ratings. This aligns with a study by Parasuraman et al. (1988), which emphasized responsiveness and empathy as vital components of service quality in healthcare.

However, the **waiting time** and **appointment scheduling process** emerged as relatively weaker areas. Only 30.49% of respondents were "very satisfied" with waiting time, and a combined 13.42% expressed dissatisfaction. These findings are consistent with studies such as Jain et al. (2016), which highlighted delays and long queues in OPDs as common operational inefficiencies affecting patient satisfaction in urban hospitals.

Despite some challenges, over **87%** of respondents indicated they would recommend Cloudnine Hospital to others, reinforcing a high level of trust and perceived quality among patients.

5.2 Comparison with Previous Literature

The results of this study corroborate a wide body of literature concerning patient satisfaction in OPD settings:

Study	Key Findings
Donabedian (1988)	Emphasized structure-process-outcome model; high process quality (communication, empathy) improves patient satisfaction.
Parasuraman et al. (1988)	Developed the SERVQUAL model; emphasized tangibles, reliability, responsiveness, assurance, and empathy. Cloudnine performs well in empathy and tangibles.
Kaur et al. (2021)	Found that staff behavior and cleanliness were the strongest predictors of OPD satisfaction in maternity hospitals.
Nguyen et al. (2021)	Identified “emotional quality” (staff friendliness and clear communication) as crucial for patient retention in private hospitals.
Abbasi-Moghaddam et al. (2019)	Noted long waiting times as a consistent problem across OPDs globally, which aligns with our study’s findings.

These studies support the conclusion that Cloudnine Hospital aligns well with key service quality domains while needing targeted interventions in scheduling and time management.

5.3 Strengths of the Study

- **Focused and Relevant Topic:** The study focuses on a specific setting (Cloudnine Hospital OPDs), making it practically applicable and meaningful for hospital administrators.
 - **Use of Validated Parameters:** Questions were based on the SERVQUAL model, a widely accepted framework in healthcare service quality research.
 - **Timely and Relevant:** Conducted post-COVID, where OPD service delivery and patient expectations have evolved, making insights highly applicable to current scenarios.
 - **Digital and Anonymous Survey Tool:** The use of an online Google Form with clear informed consent ensured participant anonymity and ethical compliance.
-

5.4 Limitations of the Study

- **Sample Size and Sampling Technique:** The study used a convenience sampling method with 82 participants, which may not be fully representative of all Cloudnine locations.
 - **Self-Reported Data:** All responses were based on participant self-perception, which can be influenced by recent experiences or biases.
 - **Limited Clinical Segmentation:** Though some clinical differentiation (e.g., primigravida status) was attempted, further segmentation (e.g., department-wise analysis) could provide deeper insights.
 - **Cross-Sectional Design:** The study captures a snapshot in time; longitudinal data could better assess trends or improvements over time.
-

5.5 Summary of Discussion

In summary, this study highlights Cloudnine Hospital's strengths in service quality, especially in **hygiene, doctor-patient communication, and staff behavior**. These findings mirror trends observed in national and international literature. However, consistent with broader challenges in OPDs, **waiting time** and **scheduling efficiency** require operational improvement. Despite its limitations, this study contributes valuable insights for hospital management aiming to enhance **patient-centric service delivery** in maternity and women's health settings.

Chapter 6: Conclusion and Recommendations

6.1 Conclusion

This study was conducted to assess patient perception of service quality in the outpatient departments (OPDs) of Cloudnine Hospital. Using a structured, anonymous Google Form questionnaire distributed among individuals who had visited Cloudnine OPDs in the last six months, a total of 82 responses were analyzed to evaluate satisfaction across multiple service parameters. The findings highlight important aspects of service quality that influence the patient experience in a private maternity and specialty hospital setting.

The results reveal a generally positive perception of service quality at Cloudnine OPDs, with high satisfaction scores reported in domains such as **cleanliness (58.54% very satisfied)**, **doctor-patient communication (53.66%)**, **staff behavior**, and **overall patient satisfaction (54.88%)**. These aspects reflect strong adherence to patient-centric care principles and confirm that Cloudnine Hospitals are perceived as high-performing institutions in terms of hospitality, hygiene, and personalized medical interaction.

However, the data also identified areas of concern—particularly **waiting times** and **appointment scheduling processes**—which received comparatively lower satisfaction ratings. Although these did not overshadow the overall positive sentiment, they represent operational challenges that could potentially impact patient retention and experience if not addressed effectively.

Importantly, over **87%** of the respondents indicated they would recommend Cloudnine Hospital to others, showing strong patient loyalty and trust in the facility. This reinforces the idea that when patients feel heard, respected, and cared for, they become ambassadors of the institution.

In conclusion, while the hospital demonstrates commendable performance in many key service areas, a continuous quality improvement approach is essential—particularly in optimizing administrative processes and minimizing delays—to enhance overall patient satisfaction further.

6.2 Implications of the Study

The study has several practical implications for hospital management and healthcare administrators:

- It emphasizes the critical role of **non-clinical service elements** (such as staff courtesy, waiting time, and cleanliness) in shaping patient satisfaction.
 - Insights from this research can be integrated into **training modules** for OPD staff and clinical professionals to reinforce the importance of patient-centered behavior.
 - The results can guide **policy-level decisions** regarding OPD workflow redesign, appointment software upgrades, and front desk efficiency.
 - The findings also support the use of **regular feedback mechanisms** in hospitals to continuously monitor service performance and patient expectations.
-

6.3 Recommendations

Based on the results and conclusions of the study, the following recommendations are proposed:

1. Optimize Appointment Scheduling Systems

- Adopt or upgrade digital appointment systems with SMS/WhatsApp reminders.
- Introduce flexible booking slots to reduce crowding during peak hours.

2. Reduce Waiting Time

- Implement **time-motion studies** to identify bottlenecks in patient flow.
- Ensure timely availability of doctors and adequate support staff to manage patient inflow.

3. Maintain High Standards of Cleanliness

- Continue rigorous adherence to housekeeping SOPs.

- Periodically audit cleanliness and sanitation practices, especially in waiting areas and washrooms.

4. Enhance Staff Training and Sensitization

- Provide regular training on **interpersonal communication, empathy, and patient handling** for both clinical and non-clinical staff.
- Promote a culture of patient respect and dignity across all service touchpoints.

5. Regular Feedback and Monitoring

- Introduce **real-time feedback kiosks or QR code-based surveys** in the OPD area.
- Establish a system for reviewing patient complaints or low satisfaction scores within 24–48 hours.

6. Segmented Analysis for Personalized Care

- Conduct department-wise satisfaction assessments to address unit-specific challenges.
- Use demographic segmentation (e.g., primigravida vs. multigravida patients) to tailor communication and counseling.

7. Expand Study Scope for Broader Insights

- Replicate this survey periodically and across other branches to track improvements and ensure uniform quality.
- Include qualitative interviews for deeper insights into patient expectations and dissatisfaction.

6.4 Future Research Scope

- A larger-scale study involving multiple Cloudnine centers across India can provide a more generalized perspective.

- Comparative studies between public and private maternity hospitals may reveal system-wide gaps and benchmarks.
- Future research may also explore **digital health literacy** among patients and how it influences satisfaction with online appointment systems and teleconsultations.

Chapter 7 References and Annexures

7.1 References

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7.2 ANNEXURES

ANNEXURE 1 – INFORMED CONSENT

Informed Consent Statement

Title of Study:

A Study on Patient Perception of Service Quality in Outpatient Departments of Cloudnine Hospital – An Online Survey-Based Analysis

Principal Investigator:

[Your Full Name]

MBA in Hospital and Health Management

IIHMR University, Jaipur

Purpose of the Study:

This study aims to assess patients' perceptions regarding the quality of services provided in the outpatient departments (OPDs) of Cloudnine Hospital. The insights gathered will contribute to understanding areas of strength and opportunities for improvement in patient care services.

Participation Details:

- **Voluntary Participation:** Your participation is entirely voluntary. You may choose to withdraw at any point without any consequences.
- **Eligibility:** Participants must be 18 years or older and have visited the OPD of Cloudnine Hospital within the past six months.

- **Procedure:** You will be asked to complete an online questionnaire, which should take approximately 5–7 minutes.
- **Anonymity:** No personally identifiable information will be collected. Your responses will remain anonymous and confidential.

Potential Risks and Benefits:

- **Risks:** There are no anticipated risks associated with participating in this survey.
- **Benefits:** While there are no direct benefits to you, your feedback will help improve the quality of outpatient services at Cloudnine Hospital.

Data Handling and Confidentiality:

- All data collected will be stored securely and used solely for academic purposes.
- Only the research team will have access to the data.
- Findings may be published in academic journals or presented at conferences, but no information will be included that could identify you.

Contact Information:

If you have any questions or concerns about this study, please contact:

Dr Shalini Tripathi

MBA in Hospital and Health Management

IIHMR University, Jaipur

Email: shalinitripathi.hm28@iihmr.in

Consent:

By clicking "Yes, I agree to participate" below, you acknowledge that:

- You have read and understood the information provided above.
- You are 18 years of age or older.
- You voluntarily agree to participate in this study.

☐ **Yes, I agree to participate**

☐ **No, I do not agree to participate**

ANNEXURE 2 – GOOGLE FORM QUESTIONNAIRE

Section 2: Demographic Information

- 1. Age:
☐ Under 25 ☐ 25–34 ☐ 35–44 ☐ 45 and above
- 2. Gender:
☐ Male ☐ Female ☐ Other ☐ Prefer not to say
- 3. Marital Status:
☐ Married ☐ Unmarried
- 4. Are you a primigravida (first-time pregnant)?
☐ Yes ☐ No ☐ Not applicable
- 5. City of the Cloudnine Hospital you visited: _____
- 6. Frequency of Visits to Cloudnine OPD:
☐ First time ☐ 2–3 times ☐ More than 3 times
- 7. Type of Service Availd:
☐ Antenatal care ☐ Gynecology consultation ☐ Pediatric consultation ☐ Fertility treatment ☐ Others: _____

Section 3: OPD Service Quality Assessment

Rate each on a scale of 1–5 (1 = Very Dissatisfied, 5 = Very Satisfied):

- 1. Ease of booking an appointment
- 2. Timeliness of your appointment / waiting time
- 3. Cleanliness and hygiene in the OPD

- 4. Behavior and professionalism of front-desk staff
- 5. Friendliness and empathy of clinical staff (nurses, assistants)
- 6. Communication clarity by the consulting doctor
- 7. Adequacy of time given during consultation
- 8. Privacy during consultation
- 9. Availability of prescribed medications at in-house pharmacy
- 10. Overall satisfaction with OPD visit
- 11. Would you recommend Cloudnine Hospital to others?
☐ Yes ☐ No ☐ Maybe

Section 4: Clinical and Follow-Up Related Questions

- 1. Are you currently pregnant?
☐ Yes ☐ No ☐ Prefer not to say
- 2. If pregnant, how many weeks along are you? _____
- 3. Was your visit related to a high-risk pregnancy?
☐ Yes ☐ No ☐ Not sure
- 4. Have you availed follow-up services from Cloudnine after the OPD visit?
☐ Yes ☐ No

Section 5: Open Feedback

- 1. What did you like most about the OPD services? _____
- 2. What could be improved to make the OPD experience better?
