



PanAuro AI Deployment Handbook

Dental Clinic Edition

Version 1.0 — Enterprise & Clinical Deployment Framework

Prepared by: PanAuro Technology Holdings, Inc.

Infrastructure Partner: Pan European Systems (PES)

1. Executive Overview

Purpose of This Handbook

This handbook provides a complete framework for deploying PanAuro AI systems in dental clinics of all sizes, enabling automation of:

- Phone answering
- Appointment scheduling
- Patient communication
- Insurance inquiries
- Follow-ups and reminders
- Front desk automation
- Administrative workload reduction

This guide covers:

- Deployment architecture
 - Hardware requirements
 - AI workflow design
 - Clinic size-specific configurations
 - Deployment timeline
 - ROI and cost savings
-

Strategic Objectives

PanAuro AI enables dental clinics to:

- Reduce front desk workload by 50–80%
 - Provide 24/7 phone answering
 - Increase appointment bookings
 - Reduce missed appointments
 - Improve patient experience
 - Reduce staffing costs
 - Increase clinic revenue utilization
-

2. Current Operational Challenges in Dental Clinics

Typical Clinic Sizes

Clinic Size	Dentists	Staff	Patients/day
Small clinic	1–2	2–5	10–30
Medium clinic	3–6	6–20	30–100
Large clinic	7–20+	20–80	100–400

Major Operational Inefficiencies

Front Desk Overload

Staff must:

- Answer phone calls
- Schedule appointments

- Handle rescheduling
- Answer insurance questions
- Provide procedure information

Phone calls interrupt workflow continuously.

Missed Calls = Lost Revenue

Typical clinic misses:

20–40% of incoming calls

Each missed call represents potential lost revenue of:

\$200–\$2,000 per patient

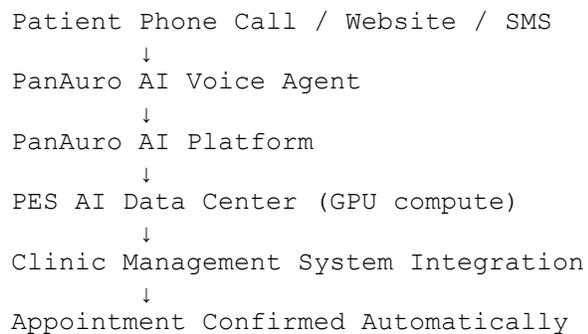
Administrative Burden

Front desk staff spend:

60–80% of time on repetitive tasks.

3. PanAuro AI System Architecture

PanAuro uses hybrid architecture:



Core Components

3.1 AI Voice Agent (Primary Component)

Capabilities:

- Answer phone calls automatically
- Speak natural human-like voice
- Understand patient intent
- Schedule appointments
- Reschedule appointments
- Answer common questions

Example interaction:

Patient:

"I need a teeth cleaning appointment."

AI:

"Certainly. Are you a new or existing patient?"

3.2 AI Scheduling System

AI connects to:

- Dentrix
- Eaglesoft
- Open Dental
- Curve Dental
- Other practice management software

AI can:

- View available slots
- Book appointments
- Modify appointments
- Cancel appointments

Fully automated.

3.3 AI Patient Communication System

AI can handle:

- Phone calls
- SMS
- Website chat
- Email

Functions:

- Appointment confirmation
 - Appointment reminders
 - Follow-ups
 - Patient intake
-

3.4 AI Insurance Inquiry Agent

AI can answer:

- Insurance acceptance
 - Coverage questions
 - New patient intake questions
-

3.5 AI Edge Hardware (Optional)

For large clinics or enterprise networks:

- On-site AI server
 - Secure local processing
 - Faster response
-

4. AI Customer Service Automation Features

4.1 AI Phone Answering (Primary Feature)

Available 24/7.

Handles:

- Appointment booking
- Appointment rescheduling

- Appointment cancellation
- Procedure inquiries
- Insurance inquiries
- Emergency triage routing

Human staff intervene only when necessary.

4.2 Automated Appointment Scheduling

AI directly integrates with clinic calendar.

No human intervention required.

4.3 Appointment Reminders

AI sends:

- SMS reminders
- Voice reminders
- Email reminders

Reduces no-show rate by:

30–60%

4.4 New Patient Intake

AI collects:

- Name
- Phone
- Insurance provider
- Reason for visit

Automatically stored.

4.5 Outbound Appointment Filling

AI calls patients automatically to fill cancellations.

Increases clinic utilization rate.

5. Deployment Models by Clinic Size

Small Dental Clinic Deployment

(1–2 dentists)

Typical Problems

- No dedicated receptionist
- Missed calls frequently
- Limited staff

Recommended Configuration

Cloud-based AI only

No hardware required.

Cost

\$500–\$1,500 per month

Benefits

- AI answers 100% of calls
- Eliminates need for additional receptionist
- Increases bookings

ROI typically within 1 month.

Medium Dental Clinic Deployment

(3–6 dentists)

Typical Problems

- Front desk overloaded
 - Multiple incoming calls
-

Recommended Configuration

Cloud AI + Optional Edge Server

Hardware cost:

\$5,000–\$10,000 optional

Monthly Cost

\$1,500–\$4,000

Benefits

- Reduce receptionist workload by 60%
 - Improve scheduling efficiency
 - Reduce missed calls
-

Large Dental Clinic Deployment

(7–20+ dentists, multi-location)

Typical Problems

- Large call volume
 - Multiple receptionists
 - High administrative cost
-

Recommended Configuration

Cloud AI + Dedicated Edge Server

Hardware:

\$10,000–\$50,000

Monthly Cost

\$4,000–\$15,000

Benefits

- Replace multiple reception tasks
 - Centralized AI call center
 - Handle unlimited call volume
-

6. Deployment Timeline

Typical deployment: 2–4 weeks

Phase 1: Clinic workflow analysis (2–3 days)

Phase 2: AI configuration (3–7 days)

Phase 3: Integration with scheduling system (3–7 days)

Phase 4: Testing (3–5 days)

Phase 5: Go live

7. Hardware Requirements

Small clinic:

Cloud only

Medium clinic:

Optional edge server (\$5k–\$10k)

Large clinic:

Recommended edge server (\$10k–\$50k)

8. ROI and Financial Impact

Typical receptionist salary:

\$45,000–\$70,000/year

AI system cost:

\$6,000–\$36,000/year

Savings:

\$30,000–\$100,000/year

Additional revenue from increased bookings:

\$50,000–\$300,000/year

9. Integration with Dental Software

Supported systems:

- Dentrix
- Eaglesoft
- Open Dental
- Curve Dental
- Epic Dental
- Custom systems

10. Security and Compliance

PanAuro complies with:

- HIPAA
- Enterprise encryption
- Secure cloud infrastructure

Patient data protected.

11. Deployment Checklist

- Step 1 — Clinic assessment
 - Step 2 — System integration
 - Step 3 — AI training
 - Step 4 — Testing
 - Step 5 — Deployment
-

12. Competitive Advantages

PanAuro vs Traditional Staff:

Feature	Human	PanAuro AI
Availability	Limited hours	24/7
Call handling	Limited	Unlimited
Cost	High	Low
Scalability	Limited	Unlimited
Consistency	Variable	Perfect

13. Example Workflow

Patient calls clinic:

AI answers immediately

↓

Understands request

↓

Books appointment

↓

Confirms via SMS

↓

Updates clinic calendar

Fully automated.

14. Strategic Impact

PanAuro transforms dental clinics into:

AI-powered, fully automated healthcare service providers.

15. Recommended Starter Configuration

For first deployment:

Cloud AI voice agent
Scheduling integration
SMS reminder system