

Electronic Health Application Database Design:

1. user_type (static pre-populated)
 - a. user_type_id (PK)
 - b. user_type_name
2. gdpr_request_type (static pre-populated)
 - a. gdpr_request_type_id (PK)
 - b. gdpr_request_type_name
3. email_audit_type (static pre-populated)
 - a. email_audit_type_id (PK)
 - b. email_audit_type_name
4. user
 - a. user_id (PK)
 - b. user_type_id (FK)
 - c. user_name
 - d. user_email
 - e. user_password
 - f. otp_code
5. admin (static pre-populated)
 - a. admin_id (PK)
 - b. user_id (FK)
6. patient
 - a. patient_id (PK)
 - b. user_id (FK)
 - c. patient_address
 - d. patient_dob
7. doctor (static pre-populated)
 - a. doctor_id (PK)
 - b. user_id (FK)
 - c. practice_id (FK)
 - d. doctor_degree
 - e. doctor_speciality
8. practitioner (static pre-populated)
 - a. practitioner_id (PK)
 - b. user_id (FK)
 - c. practice_id (FK)
 - d. practitioner_degree
9. practice (static pre-populated)
 - a. practice_id (PK)
 - b. practice_name
 - c. practice_description
 - d. practice_address

- e. practice_contact_details
- 10. patient_practice_registration
 - a. patient_practice_registration_id (PK)
 - b. patient_id (FK)
 - c. practice_id (FK)
 - d. registration_date
 - e. request_status
- 11. appointment_booking
 - a. appointment_booking_id (PK)
 - b. patient_practice_registration_id (FK)
 - c. practitioner_id (FK)
 - d. doctor_id (foreign key)
 - e. appointment_date
 - f. appointment_details
 - g. appointment_status
 - h. is_specialist_referral (boolean)
- 12. medical_history
 - a. medical_history_id (PK)
 - b. appointment_booking_id (FK)
 - c. medical_history_details
 - d. medical_history_date
- 13. prescription
 - a. prescription_id (PK)
 - b. appointment_booking_id (FK)
 - c. prescription_details
 - d. prescription_date
- 14. ordered_test
 - a. ordered_test_id (PK)
 - b. appointment_booking_id (FK)
 - c. ordered_test_details
 - d. ordered_test_date
- 15. specialist_referral
 - a. specialist_referral_id (PK)
 - b. appointment_booking_id (FK)
 - c. referred_doctor_id (FK)
 - d. specialist_referral_details
 - e. specialist_referral_date
- 16. gdpr_request
 - a. gdpr_request_id (PK)
 - b. user_id (FK)
 - c. gdpr_request_type_id (FK)
 - d. gdpr_status

17. email_audit

- a. email_audit_id (PK)
- b. email_audit_type_id (FK)
- c. email_sender_id (FK to user Table)
- d. email_recipient_id (FK to user Table)
- e. email_subject
- f. email_message