

Caregiver Demo Data Documentation

Overview

This document describes the comprehensive demo data added to the caregivers module, including certifications, resident assignments, and documents.

What Demo Data Was Added

1. Certifications

Each of the 8 demo caregivers has been assigned **2-5 certifications** with varied types and statuses:

Certification Types

- **CNA** (Certified Nursing Assistant)
- **HHA** (Home Health Aide)
- **CPR** (Cardiopulmonary Resuscitation)
- **FIRST_AID** (First Aid)
- **MEDICATION_ADMINISTRATION** (Medication Management)
- **DEMENTIA_CARE** (Dementia Care Specialist)
- **ALZHEIMERS_CARE** (Alzheimer's Care)
- **HOSPICE_CARE** (Hospice & Palliative Care)
- **WOUND_CARE** (Wound Care Specialist)
- **IV_THERAPY** (IV Therapy)

Certification Statuses

- **CURRENT** (~70%): Valid certifications with future expiry dates
- **EXPIRING_SOON** (~20%): Certifications expiring within 30 days
- **EXPIRED** (~10%): Certifications past their expiry date

Certification Profiles by Caregiver

Caregiver 1 (Care Giver):

- 5 certifications: CNA, CPR, First Aid, Dementia Care, Medication Administration
- All CURRENT status
- Senior caregiver profile

Caregiver 2 (Sarah Thompson):

- 3 certifications: HHA, CPR (expiring soon), Alzheimer's Care
- Mixed statuses
- Home health aide profile

Caregiver 3 (Maria Garcia):

- 3 certifications: CNA (current), CPR (expired), First Aid
- Newer caregiver with one expired cert
- Requires CPR renewal

Caregiver 4 (James Wilson):

- 4 certifications: CNA, Hospice Care, CPR, Wound Care

- Experienced hospice specialist
- All current

Caregiver 5 (Lisa Anderson):

- 4 certifications: HHA, Dementia Care, Alzheimer's Care, CPR (expiring soon)
- Dementia care specialist
- One cert expiring soon

Caregiver 6 (David Nguyen):

- 4 certifications: CNA, IV Therapy, CPR, Medication Administration
- IV therapy specialist
- All current

Caregiver 7 (Emily Brown):

- 4 certifications: CNA, CPR (expired), First Aid (expiring soon), Dementia Care
- Mixed status profile
- Requires renewals

Caregiver 8 (Antonio Rodriguez):

- 2 certifications: CNA, CPR
- Newer caregiver profile
- All current

2. Resident Assignments

Each caregiver has been assigned to **1-5 residents** with a mix of:

Assignment Types

- **Primary assignments:** Caregiver is the main responsible person
- **Secondary assignments:** Caregiver provides relief coverage
- **Historical assignments:** Past assignments with end dates

Assignment Patterns

- **Caregiver 1:** 2 primary, 1 secondary, 1 historical
- **Caregiver 2:** 1 primary, 2 secondary, 0 historical
- **Caregiver 3:** 3 primary, 1 secondary, 2 historical (busy)
- **Caregiver 4:** 1 primary, 0 secondary, 0 historical (newer)
- **Caregiver 5:** 2 primary, 1 secondary, 1 historical (balanced)
- **Caregiver 6:** 2 primary, 2 secondary, 3 historical (senior)
- **Caregiver 7:** 1 primary, 1 secondary, 0 historical (part-time)
- **Caregiver 8:** 2 primary, 1 secondary, 1 historical (full-time)

Assignment Details

- **Current assignments:** `endDate = null`, started 1-6 months ago
- **Historical assignments:** Started 6-18 months ago, ended 1-3 months ago
- **Notes:** Each assignment includes detailed care responsibility notes

3. Documents

Each caregiver has **3-6 documents** of various types:

Document Types

- **CONTRACT:** Employment contracts and agreements

- **CERTIFICATION:** Certification documents and licenses
- **BACKGROUND_CHECK:** Criminal and employment verification (expires after 12 months)
- **TRAINING:** Training completion certificates
- **IDENTIFICATION:** Government-issued IDs
- **REFERENCE:** Professional references
- **OTHER:** TB tests, health records, etc.

Document Sets by Caregiver

Set 1 (Complete Documentation):

- Employment Contract 2024
- CNA License Certificate (expires in 24 months)
- Criminal Background Check (expires in 12 months)
- CPR Training Certificate (expires in 12 months)
- Professional Reference - Dr. Smith

Set 2 (Standard Documentation):

- Employment Agreement
- Home Health Aide Certificate (24 months)
- Background Verification (12 months)
- Dementia Care Training (36 months)

Set 3 (Newer Employee):

- New Hire Employment Contract
- CNA Certification (24 months)
- Pre-Employment Background Check (12 months)

Set 4 (Experienced):

- Senior Caregiver Employment Contract
- Multiple State Licenses (36 months)
- FBI Background Check (12 months)
- Advanced Care Training (24 months)
- Medication Administration Training (36 months)
- Professional References (3)

Set 5 (Standard with ID):

- Employment Contract
- State Certification (24 months)
- Driver License Copy (60 months)
- Background Check Report (12 months)

Set 6 (Comprehensive):

- Full-Time Employment Agreement
- Professional Certifications (24 months)
- Criminal & Employment History Check (12 months)
- Hospice Care Training (24 months)
- Employment References
- TB Test Results (12 months)

Set 7 (Minimal Documentation):

- Part-Time Employment Contract
- Basic Certification (24 months)
- Background Check (12 months)

Set 8 (Standard with Extra Training):

- Employment Contract 2023
- State License (24 months)
- Background Verification Report (12 months)
- Fall Prevention Training (24 months)
- Infection Control Training (12 months)

How to Run the Seed Script

Method 1: Using NPM Script (Recommended)

```
cd /home/ubuntu/carelinkai-project
npm run seed:caregivers
```

Method 2: Direct Execution

```
cd /home/ubuntu/carelinkai-project
npx tsx prisma/seed-caregiver-demo-data.ts
```

Method 3: Using Node

```
cd /home/ubuntu/carelinkai-project
node --loader tsx prisma/seed-caregiver-demo-data.ts
```

What to Expect in the UI

Caregivers Overview Page (/operator/caregivers)

- All 8 caregivers listed with their basic information
- Certification status indicators:
 - ● **All Current:** Green badge when all certifications are current
 - ● **Expiring Soon:** Yellow badge when certifications expire within 30 days
 - ● **Expired:** Red badge when certifications are expired
- Active resident count displayed

Individual Caregiver Page (/operator/caregivers/:id)

Overview Tab

- Basic information (name, email, phone, employment status)
- Years of experience
- Employment details
- Quick stats (certifications, assignments, documents)

Certifications Tab

- Full list of certifications with:
 - Certification type
 - Certification number
 - Issuing organization
 - Issue date & expiry date

- Status badge (Current/Expiring Soon/Expired)
- Document download links
- Verification status
- Ability to add new certifications
- Edit/delete existing certifications

Assignments Tab

- **Current Assignments** section:
 - Resident name and photo
 - Primary/Secondary badge
 - Start date
 - Assignment notes
 - Quick actions (view resident, edit, end assignment)
- **Historical Assignments** section:
 - Past assignments with end dates
 - Assignment duration
 - Reason for ending

Documents Tab

- Document grid/list view with:
- Document type icon
- Document title
- Upload date
- Expiry date (if applicable)
- Expiry status (current/expiring soon/expired)
- Download button
- Delete button
- Ability to upload new documents
- Filter by document type

How to Reset/Re-Seed

The seed script is **idempotent**, meaning you can run it multiple times safely. It will:

1. **Delete** all existing certifications for demo caregivers
2. **Delete** all existing assignments for demo caregivers
3. **Delete** all existing documents for demo caregivers
4. **Create** fresh demo data

To Reset and Re-Seed:

```
# Simply run the seed script again
npm run seed:caregivers
```

To Clear Demo Data Only (Without Re-Seeding):

```
-- Connect to your database and run:
DELETE FROM "CaregiverCertification" WHERE "caregiverId" IN (
    SELECT id FROM "Caregiver" WHERE "userId" IN (
        SELECT id FROM "User" WHERE email LIKE '%@carelinkai.%' OR email LIKE '%@test.com'
    )
);

DELETE FROM "CaregiverAssignment" WHERE "caregiverId" IN (
    SELECT id FROM "Caregiver" WHERE "userId" IN (
        SELECT id FROM "User" WHERE email LIKE '%@carelinkai.%' OR email LIKE '%@test.com'
    )
);

DELETE FROM "CaregiverDocument" WHERE "caregiverId" IN (
    SELECT id FROM "Caregiver" WHERE "userId" IN (
        SELECT id FROM "User" WHERE email LIKE '%@carelinkai.%' OR email LIKE '%@test.com'
    )
);
```

Data Characteristics

Realistic Variation

- Not all caregivers are the same:** Each has a unique profile
- Different experience levels:** From newer caregivers (2 certs) to senior staff (5-6 certs)
- Mixed certification statuses:** Some current, some expiring, some expired
- Varied assignments:** From 1 to 5 residents per caregiver
- Different document types:** Employment contracts, certifications, background checks, training records

Temporal Realism

- Issue dates:** 2-36 months in the past
- Expiry dates:** Based on certification type (CNA: 24 months, CPR: 12 months, etc.)
- Assignment dates:** Current assignments started 1-6 months ago, historical 6-18 months ago
- Document uploads:** 1-18 months in the past

Compliance Tracking

- Expiring soon warnings:** Certifications expiring within 30 days
- Expired alerts:** Certifications past their expiry date
- Background check expiry:** All background checks expire after 12 months (compliance requirement)
- Renewal notes:** Automated notes on expired/expiring certifications

Database Tables Affected

Tables Populated

- CaregiverCertification:** ~30 records (3-5 per caregiver)
- CaregiverAssignment:** ~25 records (2-4 per caregiver)
- CaregiverDocument:** ~35 records (3-6 per caregiver)

Total Records Added

~90 demo records across 3 tables

Production Deployment

After running the seed script locally and verifying the data:

1. Commit Changes

```
git add prisma/seed-caregiver-demo-data.ts
git add CAREGIVER_DEMO_DATA.md
git add package.json
git commit -m "feat: Add comprehensive demo data for caregivers module"
```

2. Push to GitHub

```
git push origin main
```

3. Render Auto-Deploy

- Render will automatically detect the push
- Build and deploy the application
- Run database migrations if any

4. Run Seed Script on Production

```
# SSH into Render or use Render shell
npm run seed:caregivers
```

Or use Render's dashboard to run:

```
npx tsx prisma/seed-caregiver-demo-data.ts
```

Verification Checklist

After seeding, verify the following:

In Database

- [] CaregiverCertification table has ~30 records
- [] CaregiverAssignment table has ~25 records
- [] CaregiverDocument table has ~35 records
- [] All caregivers have at least 2 certifications
- [] All caregivers have at least 1 assignment (if residents exist)
- [] All caregivers have at least 3 documents

In UI - Overview Page

- [] Caregivers list displays certification status badges
- [] Active resident counts are shown

- [] Filtering and sorting work correctly

In UI - Individual Caregiver Page

- [] **Overview tab** shows correct stats
- [] **Certifications tab** displays all certifications with status badges
- [] **Assignments tab** shows current and historical assignments
- [] **Documents tab** displays all documents with expiry tracking

Functionality Testing

- [] Add new certification works
- [] Edit certification works
- [] Delete certification works (with confirmation)
- [] Add new assignment works
- [] End assignment works
- [] Add new document works
- [] Delete document works
- [] Export caregiver data works

Troubleshooting

Issue: “No caregivers found”

Solution: Run the main seed script first to create demo caregivers:

```
npm run seed
```

Issue: “No residents available”

Solution: Ensure you have active demo residents:

```
npm run seed:residents
```

Issue: Prisma client out of sync

Solution: Regenerate Prisma client:

```
npx prisma generate
```

Issue: Database connection error

Solution: Check your DATABASE_URL environment variable:

```
echo $DATABASE_URL
```

Related Documentation

- [Prisma Schema](#) (/prisma/schema.prisma) - Database model definitions
- [Phase 6 Implementation](#) (/PHASE_6_IMPLEMENTATION.md) - Caregiver management feature specs
- [Seed Scripts](#) (/prisma/) - Other demo data seed scripts

Support

For issues or questions about the demo data:

1. Check this documentation
 2. Review the seed script source code
 3. Check the Prisma schema for model definitions
 4. Test in local environment first before production
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Last Updated: December 11, 2024

Script Version: 1.0

Total Demo Records: ~90 (30 certs + 25 assignments + 35 documents)