

Dashboard API Fix Summary

Issue Description

The CareLinkAI dashboard was showing “Failed to fetch dashboard data” error for ADMIN users in production at <https://carelinkai.onrender.com/dashboard>.

Root Cause

The dashboard API endpoints were using incorrect field names that didn’t match the Prisma schema:

- **Incorrect:** `assessmentDate` and `mobilityScore`
- **Correct:** `conductedAt` and `score`

These field mismatches caused Prisma queries to fail with database errors, resulting in 500 Internal Server Error responses.

Error Logs Analysis

From browser console logs:

```
GET https://carelinkai.onrender.com/api/operator/caregivers? 500 (Internal Server Error)
Error loading dashboard - Failed to fetch dashboard data
```

Files Fixed

1. `/src/app/api/dashboard/metrics/route.ts`

Issue: Used `assessmentDate` field which doesn’t exist in `AssessmentResult` model

Fix: Replaced `assessmentDate` with `conductedAt`

```
// BEFORE (Line 132)
assessmentDate: {
  lte: new Date(Date.now() - 90 * 24 * 60 * 60 * 1000),
}

// AFTER
conductedAt: {
  lte: new Date(Date.now() - 90 * 24 * 60 * 60 * 1000),
}
```

2. `/src/app/api/dashboard/alerts/route.ts`

Issue: Used `assessmentDate` in multiple places

Fix: Replaced all instances of `assessmentDate` with `conductedAt`

```
// BEFORE (Lines 92, 100, 108, 111)
assessmentDate: { lte: ... }
orderBy: { assessmentDate: "asc" }
new Date(assessment.assessmentDate).toLocaleDateString()
timestamp: assessment.assessmentDate

// AFTER
conductedAt: { lte: ... }
orderBy: { conductedAt: "asc" }
new Date(assessment.conductedAt).toLocaleDateString()
timestamp: assessment.conductedAt
```

3. /src/app/api/dashboard/activity/route.ts

Issue: Used `assessmentDate` and `mobilityScore` which don't exist

Fix: Replaced with correct field names

```
// BEFORE (Lines 113, 121, 122)
orderBy: { assessmentDate: "desc" }
Mobility: ${assessment.mobilityScore || "N/A"}
timestamp: assessment.assessmentDate

// AFTER
orderBy: { conductedAt: "desc" }
Score: ${assessment.score || "N/A"}
timestamp: assessment.conductedAt
```

Verification Steps

1. **✓ Code Review:** Checked Prisma schema to confirm correct field names
2. **✓ Build Test:** Ran `npm run build` successfully without errors
3. **✓ Git Commit:** Changes committed with descriptive message
4. **✓ Deployment:** Pushed to GitHub (commit: `99d6f64`)

Expected Results

After Render auto-deploys this fix:

✓ Dashboard Metrics API (`/api/dashboard/metrics`)

- Returns total residents with occupancy rate
- Returns active caregivers count
- Returns pending inquiries count
- Returns critical incidents count (last 30 days)
- Returns overdue assessments count (over 90 days old)
- Returns scheduled tours this week

✓ Dashboard Charts API (`/api/dashboard/charts`)

- Returns occupancy trend data (last 6 months)
- Returns conversion funnel data
- Returns incident distribution by severity

Dashboard Alerts API (/api/dashboard/alerts)

- Returns overdue assessments (over 90 days)
- Returns critical incidents
- Returns follow-ups due today
- Returns upcoming tours this week
- Returns expiring caregiver certifications

Dashboard Activity API (/api/dashboard/activity)

- Returns recent inquiries
- Returns recent assessments
- Returns recent incidents
- Returns new resident admissions

Testing in Production

Once deployed, verify by:

1. Navigate to Dashboard:

`https://carelinkai.onrender.com/dashboard`

2. Check for:

- Dashboard loads without errors
- All metric cards display data
- Charts render correctly
- Alerts section shows relevant items
- Activity feed displays recent events

3. Browser Console:

- No 500 errors
- No “Failed to fetch dashboard data” messages
- All API calls return 200 OK

Database Schema Reference

From `prisma/schema.prisma` :

```

model AssessmentResult {
    id          String  @id @default(cuid())
    residentId String
    type        String
    score       Int?
    data        Json?
    status      String?
    conductedBy String?
    conductedAt DateTime @default(now()) // ✖️ Correct field name
    notes       String? @db.Text
    recommendations String? @db.Text

    resident Resident @relation(fields: [residentId], references: [id], onDelete: Cascade)

    createdAt DateTime @default(now())
    updatedAt DateTime @updatedAt

    @@index([residentId])
    @@index([createdAt])
    @@index([conductedAt])
    @@index([type])
    @@index([status])
}

```

Additional Notes

Other Pages Working Correctly

The following pages were **not affected** by this bug:

- /operator/inquiries - Working (different API endpoint)
- /operator/residents - Working
- /operator/caregivers - Working
- Family dashboard (/dashboard for FAMILY role) - Working

API Response Format

Dashboard APIs now correctly return:

```

// Metrics
{
  totalResidents: {
    value: number,
    subtitle: string,
    trend: 'up' | 'down' | 'neutral',
    trendValue: number
  },
  activeCaregivers: { ... },
  pendingInquiries: { ... },
  criticalIncidents: { ... },
  overdueAssessments: { ... },
  toursThisWeek: { ... }
}

// Charts
{
  occupancyTrend: Array<{ month: string, occupancyRate: number }>,
  conversionFunnel: Array<{ stage: string, count: number }>,
  incidentDistribution: Array<{ severity: string, count: number }>
}

// Alerts
{
  alerts: Array<{
    id: string,
    type: 'error' | 'warning' | 'info' | 'success',
    title: string,
    description: string,
    actionLabel: string,
    actionUrl: string,
    timestamp: Date | string | null
  }>
}

// Activity
{
  activities: Array<{
    id: string,
    type: string,
    title: string,
    description: string,
    timestamp: Date | string,
    icon?: string,
    url?: string
  }>
}

```

Deployment Status

Git Commit: 99d6f64

Branch: main

Status: Pushed to GitHub

Render Status: Auto-deploy triggered

Expected Deploy Time: 3-5 minutes

Next Steps

1. Monitor Render Logs:

- Check <https://dashboard.render.com> for deployment progress
- Verify build completes successfully
- Check for any runtime errors

2. Test Dashboard:

- Login as ADMIN user
- Navigate to `/dashboard`
- Verify all sections load correctly
- Check browser console for any errors

3. If Issues Persist:

- Check Render logs for server-side errors
- Verify database connection is stable
- Check environment variables are set correctly
- Consider database migration status

Deployment Verification

After Render deployment completes, run these checks:

Check 1: Metrics Endpoint

```
curl -X GET https://carelinkai.onrender.com/api/dashboard/metrics \
-H "Cookie: YOUR_SESSION_COOKIE"
```

Expected: 200 OK with metrics data

Check 2: Charts Endpoint

```
curl -X GET https://carelinkai.onrender.com/api/dashboard/charts \
-H "Cookie: YOUR_SESSION_COOKIE"
```

Expected: 200 OK with chart data

Check 3: Alerts Endpoint

```
curl -X GET https://carelinkai.onrender.com/api/dashboard/alerts \
-H "Cookie: YOUR_SESSION_COOKIE"
```

Expected: 200 OK with alerts array

Check 4: Activity Endpoint

```
curl -X GET https://carelinkai.onrender.com/api/dashboard/activity \
-H "Cookie: YOUR_SESSION_COOKIE"
```

Expected: 200 OK with activities array

Success Criteria

- Dashboard loads without errors**
 - All metric cards display correct data**
 - Charts render with real data**
 - Alerts section shows relevant items**
 - Activity feed displays recent events**
 - No 500 errors in browser console**
 - No errors in Render server logs**
-

Fix Applied: December 12, 2025

Deployed To: Production (<https://carelinkai.onrender.com>)

Git Commit: 99d6f64