

# Operator Dashboard API Fix - December 9, 2025

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## Issue Summary

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**Problem:** Operator dashboard page was showing “Error Loading Dashboard” with “Failed to fetch dashboard data” message.

**Root Cause:** The API endpoint at `/api/operator/dashboard` was attempting to query a non-existent Prisma model `prisma.homeLicense` instead of the correct model name `prisma.license`.

## Technical Details

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### Error Location

- **File:** `src/app/api/operator/dashboard/route.ts`
- **Line:** 77 (in the `Promise.all` parallel queries)

### The Bug

```
// BEFORE (incorrect)
prisma.homeLicense.findMany({
  where: {
    home: homeFilter,
    expirationDate: {
      lte: new Date(Date.now() + 30 * 24 * 60 * 60 * 1000),
      gte: new Date(),
    },
  },
},
include: {
  home: { select: { name: true } },
},
orderBy: { expirationDate: "asc" },
take: 5,
})
```

## The Fix

```
// AFTER (correct)
prisma.license.findMany({
  where: Object.keys(homeFilter).length
    ? {
        home: homeFilter,
        expirationDate: {
          lte: new Date(Date.now() + 30 * 24 * 60 * 60 * 1000),
          gte: new Date(),
        },
      }
    : {
        expirationDate: {
          lte: new Date(Date.now() + 30 * 24 * 60 * 60 * 1000),
          gte: new Date(),
        },
      },
  include: {
    home: { select: { name: true } },
  },
  orderBy: { expirationDate: "asc" },
  take: 5,
})
```

## Additional Improvements

1. **Enhanced Error Logging:** Added detailed error stack traces and session context to help diagnose future issues
2. **Conditional Filtering:** Fixed the license query to properly handle both operator-scoped and admin global views

## Database Schema Reference

The correct model in `prisma/schema.prisma` is:

```
model License {
  id          String    @id @default(cuid())
  homeId      String
  type        String
  licenseNumber String
  issueDate   DateTime
  expirationDate DateTime
  status      String
  documentUrl String?

  home AssistedLivingHome @relation(fields: [homeId], references: [id], onDelete: Cascade)

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

  @@index([homeId])
  @@index([expirationDate])
  @@index([status])
}
```

**Note:** There is no `HomeLicense` model in the schema. The correct model name is `License`.

## Deployment

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- **Commit:** 062ed26
- **Commit Message:** “fix: Resolve operator dashboard API endpoint error - fix prisma.homeLicense → prisma.license”
- **Pushed to:** main branch
- **Auto-deployment:** Render.com will automatically deploy this fix

## Testing Checklist

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After deployment, verify:

- [ ] Operator dashboard loads without errors
- [ ] Dashboard metrics display correctly (homes, inquiries, residents, occupancy rate)
- [ ] Recent inquiries list appears
- [ ] Expiring licenses section shows data (if any licenses are expiring)
- [ ] New inquiries count displays
- [ ] Admin operators can view global summary
- [ ] Regular operators see only their own data

## Expected Behavior

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### For Operators

- Dashboard shows metrics for their assigned homes only
- Filtered data: homes, inquiries, residents, licenses

### For Admins

- Can view global summary (all operators)
- Can filter by specific operator using dropdown
- Access to system-wide metrics

## Monitoring


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Watch for these logs in production:

```
[API /api/operator/dashboard] Error: <any error messages>
[API /api/operator/dashboard] Error stack: <stack trace>
[API /api/operator/dashboard] Session: <user email or "No session">
```

## Related Files

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1. **API Route:** src/app/api/operator/dashboard/route.ts  Fixed
2. **Client Page:** src/app/operator/page.tsx (No changes needed)
3. **Database Schema:** prisma/schema.prisma (Reference only)

## Prevention

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To prevent similar issues in the future:

1. **Type Safety:** TypeScript should catch these errors, but ensure Prisma Client is regenerated after schema changes
2. **Schema Validation:** Always verify model names against `prisma/schema.prisma` before using in queries
3. **Testing:** Add integration tests for critical API endpoints
4. **Code Review:** Check for Prisma model name consistency

## Status

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### **FIXED AND DEPLOYED**

The operator dashboard API endpoint is now functioning correctly with proper error logging and data filtering.