# Grace Period Column Fix Applied

## Issue Resolved

**Error**: “Failed to update attendance record: column ‘grace\_period’ does not exist”

## Root Cause

The grace\_period column was missing from the rosters table in the database. This column is required by: - The attendance\_display view for calculating late minutes - Various attendance functions that reference r.grace\_period - Attendance update operations

## Fix Applied

### 1. Migration Created

* **File**: supabase/migrations/20250816201237\_fix\_missing\_grace\_period\_column.sql
* **Purpose**: Ensures the grace\_period column exists in the rosters table

### 2. Database Changes

* **Added Column**: grace\_period INTEGER NOT NULL DEFAULT 15
* **Constraint**: Added check constraint to ensure grace\_period >= 0
* **Default Value**: 15 minutes grace period for all rosters
* **Documentation**: Added column comment for clarity

### 3. Verification

* ✅ Column exists in rosters table
* ✅ All existing rosters have grace\_period = 15
* ✅ attendance\_display view works without errors
* ✅ Attendance calculations with grace\_period work correctly
* ✅ Database queries referencing r.grace\_period execute successfully

## Technical Details

### Column Specification

ALTER TABLE public.rosters   
ADD COLUMN grace\_period INTEGER NOT NULL DEFAULT 15;

### Check Constraint

ALTER TABLE public.rosters   
ADD CONSTRAINT rosters\_grace\_period\_check   
CHECK (grace\_period >= 0);

### Impact

* **Rosters**: All rosters now have a 15-minute grace period by default
* **Attendance**: Late calculations now properly account for grace period
* **Views**: attendance\_display view functions correctly
* **Error Resolution**: The original error is completely resolved

## Status

🟢 **FIXED** - The grace\_period column error has been completely resolved. The application should now function without the “column ‘grace\_period’ does not exist” error.

*Fix applied on: 2025-08-16 20:14:39*