

# CareLinkAI - Family MVP Status Matrix

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This document tracks the implementation status of all Family-specific features in the CareLinkAI platform.

<b>Area</b>	<b>Role</b>	<b>Capability</b>	<b>Status</b>	<b>Notes / Implementation</b>
Family signup	Family	Create account and log in	<input checked="" type="checkbox"/> DONE	Registration supports FAMILY role with email verification. API: <code>src/app/api/auth/register/route.ts</code> ; UI: <code>/auth/register</code> , <code>/auth/login</code> . Creates User + Family records in transaction.
Family profile basics	Family	Create/edit profile (name, contact info)	<input checked="" type="checkbox"/> DONE	Profile edit includes primary-ContactName, phone, relationshipToRecipient. API: <code>GET/PATCH /api/family/profile</code> ; UI: <code>/settings/family</code> .
Family care context	Family	Provide care recipient details (age, diagnosis, mobility)	<input checked="" type="checkbox"/> DONE	Care context fields: recipient-Age, primaryDiagnosis, mobility-Level, care-Notes. Validation: age 0-120, diagnosis max 200 chars, notes max 1000 chars. API: <code>/api/family/profile</code> ; UI: <code>/settings/family</code> .
Family onboarding	Family	Guided setup after registration	<input checked="" type="checkbox"/> DONE	Auto-redirect to <code>/settings/family?onboarding=true</code> after registration.

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				Context-aware welcome message for new users. Skip option available.
Browse market-place - Aides	Family	View list of care-givers	DONE	Marketplace caregiver list with filters. API: /api/marketplace/caregivers ; UI: /marketplace (Caregivers tab). Supports search, location, rate, experience filters.
Browse market-place - Providers	Family	View list of care providers	DONE	Provider marketplace with filters. API: /api/marketplace/providers ; UI: /marketplace/providers . Supports search, location, service type filters.
Aide detail view	Family	View caregiver profiles with skills, availability	DONE	Comprehensive aide profiles with bio, skills, credentials, availability. UI: /marketplace/caregivers/[id] . Shows verified badges, hourly rate, experience, specialties.
Provider detail view	Family		DONE	Provider profiles with business

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		View provider profiles with services, coverage		info, services, coverage area, credentials. UI: /marketplace/providers/[id]. Shows verification status, insurance info.
Submit Aide inquiry	Family	Contact caregiver with care needs	DONE	Lead creation form with care context snapshot. API: POST /api/leads (targetType: AIDE). Fields: message, preferred-StartDate, expectedHoursPerWeek, location, care details. Creates Lead with status NEW.
Submit Provider inquiry	Family	Contact provider with care needs	DONE	Lead creation form for providers. API: POST /api/leads (targetType: PROVIDER). Same fields as Aide inquiry with polymorphic pattern (aideId/providerId).
Inquiry confirmation	Family	See success message after submission	DONE	Success toast with lead ID after submission. Confirms inquiry sent to aide/provider.

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				Option to submit another inquiry or return to marketplace.
View favorites	Family	Save and view favorite aides/providers	DONE	Favorites system with heart icon toggle. API: /api/favorites/* ; UI: /favorites . Supports homes, caregivers, providers. Unified favorites page with tabs.
Messaging - Initiate	Family	Start conversation with aide/provider (if needed)	DONE	Two-way messaging system. Message buttons on marketplace cards and detail pages. API: /api/messages/* ; UI: /messages . Deep-linking with userId query params.
Messaging - Reply	Family	Respond to operator/aide/provider messages	DONE	Real-time messaging with SSE notifications. UI: /messages with thread list and conversation view. Supports text messages with timestamps.
Inquiry status tracking	Family	View status of submitted inquiries (future)	TODO	Family-facing lead list not yet implemented.

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				Currently leads are only visible to operators. Future: <code>/family/inquiries</code> page.
Profile photo upload	Family	Upload and display profile picture	DONE	Profile photo upload with sharp image processing. API: <code>/api/profile/photo</code> ; UI: <code>/settings/profile</code> . Supports JPG/PNG, 5MB limit, automatic resize to 200x200.
Account settings	Family	Update email, password, notification preferences	DONE	Settings navigation at <code>/settings</code> . Includes profile, notifications, security. Password change via <code>/api/auth/password/change</code> .
Dashboard	Family	Family-specific dashboard with quick actions	DONE	Dashboard at <code>/dashboard</code> with role-based content. Shows recent activity, quick links to marketplace, favorites, messages.
Search homes	Family	Browse and search care homes	DONE	Home search with AI matching. API: <code>/api/search</code> , <code>/api/ai/match/resident</code> ; UI: <code>/</code>

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				homes/match . Natural language search, location filters, care level matching.
View home details	Family	Detailed care home information	<input checked="" type="checkbox"/> DONE	Home detail pages with photos, amenities, pricing, availability. UI: /homes/[id] . Inquiry CTA integrated. API: /api/homes/[id] .
Submit home inquiry	Family	Contact care home about placement	<input checked="" type="checkbox"/> DONE	Home inquiry form creates Inquiry record. API: POST /api/inquiries ; UI: home detail page. Operator receives in /operator/inquiries .

## Implementation Summary

### Database Models

- **Family:** Enhanced with care context fields (primaryContactName, phone, relationshipToRecipient, recipientAge, primaryDiagnosis, mobilityLevel, careNotes)
- **Lead:** Polymorphic model for Aide/Provider inquiries with status tracking, soft delete, operator assignment

### Enums

- **UserRole:** Added FAMILY
- **LeadTargetType:** AIDE | PROVIDER
- **LeadStatus:** NEW | IN\_REVIEW | CONTACTED | CLOSED | CANCELLED

### Key API Endpoints

- POST /api/auth/register - Family registration with care context
- GET/PATCH /api/family/profile - Family profile management

- POST /api/leads - Create Aide/Provider inquiry
- GET /api/marketplace/caregivers - Browse aides
- GET /api/marketplace/providers - Browse providers
- GET /api/marketplace/caregivers/[id] - Aide detail
- GET /api/marketplace/providers/[id] - Provider detail

## Key UI Pages

- /auth/register - Family registration
- /settings/family - Family profile setup with onboarding
- /marketplace - Browse caregivers and providers
- /marketplace/caregivers/[id] - Aide detail with inquiry form
- /marketplace/providers/[id] - Provider detail with inquiry form
- /favorites - Saved favorites
- /messages - Messaging interface
- /dashboard - Family dashboard

## Security & Validation

- RBAC enforcement on all Family endpoints
- Zod validation for care context fields
- HIPAA-compliant audit logging for profile changes
- Rate limiting on inquiry submissions
- Input sanitization and XSS prevention

## Testing

- API endpoint tests with curl examples
- UI flow tests (registration → profile → browse → inquire)
- RBAC validation tests
- Form validation tests
- Error handling tests

## Future Enhancements

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1. **Family-facing lead tracking** - View status of submitted inquiries
2. **Lead messaging** - Direct messaging with assigned aide/provider
3. **Appointment scheduling** - Book consultations with providers
4. **Review system** - Leave reviews after service completion
5. **Care plan documents** - Upload and share care plans
6. **Multi-recipient support** - Manage care for multiple family members
7. **Budget tracking** - Track care expenses and billing
8. **Care team coordination** - Collaborate with multiple caregivers
9. **Emergency contacts** - Manage emergency contact information
10. **Activity feed** - Timeline of all inquiries and interactions

## Deployment Notes

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- All migrations applied: 20251207154010\_add\_family\_and\_lead\_models

- Seed data available for testing Family flows
- Feature flags: None (all features production-ready)
- Environment variables: Standard auth and database config

## Related Documentation

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- Family Leads Schema Design: `/home/ubuntu/carelinkai/family_leads_schema_design.md`
  - Phase 1 Implementation: `/home/ubuntu/carelinkai/PHASE1_IMPLEMENTATION_SUMMARY.md`
  - Family Profile Implementation: `/home/ubuntu/family_profile_implementation.md`
  - Family Registration: `/home/ubuntu/family_registration_implementation.md`
  - Operator Lead Management: `/home/ubuntu/carelinkai/operator_lead_management_implementation.md`
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**Legend:**

- DONE = Implemented and tested
- TODO = Not yet implemented
- WIP = Partially implemented

**Last Updated:** December 7, 2025