Psychosocial Flourishing Metrics Dashboard Specification

> *"Metrics that measure what matters most - community flourishing, cultural vitality, and the sacred dimensions of human wellbeing that transform lives and heal communities."*

In this specification:

- System Architecture Overview

- Data Framework & Metrics

- User Interface Design

- Community Control Features

- Cultural Adaptation Framework

- Accessibility & Inclusion

- Technical Requirements

- Implementation Roadmap

Document Type: Technical Specification for Development Teams

Target Audience: Software developers, UX/UI designers, community organizations, mental health advocates

This specification provides comprehensive technical requirements for building community-controlled psychosocial flourishing metrics dashboards that honor diverse cultural approaches to wellbeing while enabling effective monitoring and advocacy for mental health transformation.

System Architecture Overview

Core Design Principles

Community Sovereignty Priority: The dashboard must prioritize community control over data, metrics, and narrative framing rather than extractive data collection or institutional surveillance.
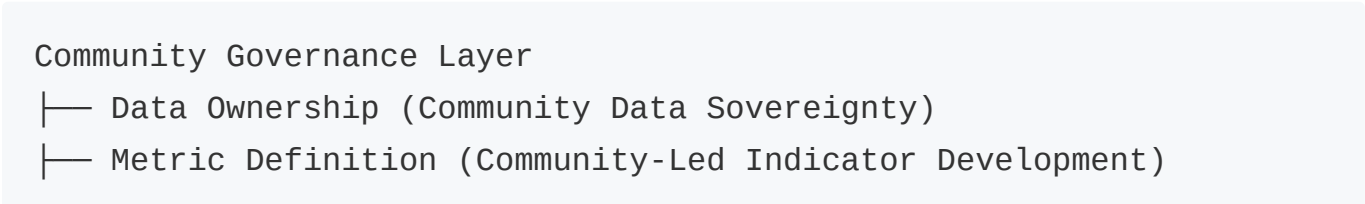
Flourishing-Focused Metrics: Move beyond deficit-based mental health tracking to positive indicators of thriving, connection, meaning, and community vitality.

Cultural Responsiveness: Enable profound customization for diverse cultural contexts while maintaining core functionality and cross-community learning opportunities.

High-Level Architecture

Data Layer Architecture

```
Community Data Sources
├── Community-Led Surveys (WHO-5, Social Connectedness, Meaning)
├── Narrative Collection System (Stories, Testimonials, Community Wis
├── Traditional Healing Indicators (Cultural Vitality, Practice Trans
├── Community Asset Mapping (Resources, Healers, Networks)
├── Crisis Response Tracking (Community-Led Crisis Support)
└── Advocacy Impact Monitoring (Policy Changes, Rights Implementation


Data Processing Layer
├── Community Privacy Protection (Local Processing, Encryption)
├── Cultural Context Integration (Community-Defined Frameworks)
├── Narrative Analysis (AI-Assisted Storytelling Synthesis)
├── Cross-Community Learning (Anonymous Aggregation)
└── Trend Analysis (Community-Controlled Insights)


Presentation Layer
├── Community Dashboard Views (Leadership, Advocate, General Community
├── Advocacy Toolkit Integration (Policy Briefs, Campaign Materials)
├── Cultural Customization (Visual, Language, Concept Adaptation)
├── Mobile and Offline Access (Community Accessibility)
└── Export and Sharing Tools (Community Narrative Control)
```

Community Control Architecture

```
Community Governance Layer
├── Data Ownership (Community Data Sovereignty)
├── Metric Definition (Community-Led Indicator Development)
```

```
├── Access Control (Community-Controlled User Management)
├── Narrative Approval (Community Editorial Control)
└── Sharing Permissions (Community-Controlled Data Sharing)

Privacy and Security Layer
├── Local Data Storage (Community-Controlled Servers)
├── End-to-End Encryption (Community Communication Protection)
├── Anonymous Aggregation (Cross-Community Learning)
├── Audit Logging (Community Transparency)
└── Right to Delete (Community Data Control)
```

Platform Integration Framework

Standalone Community Platform: Self-contained platform enabling complete community control and customization

Integration APIs: Standardized APIs enabling integration with existing community systems while maintaining data sovereignty

Federated Network Option: Optional federation enabling cross-community learning while preserving individual community control

Data Framework & Metrics

Core Flourishing Indicators

Positive Mental Health Metrics

WHO-5 Well-Being Index Integration:

```
{
  "who5_wellbeing": {
    "metric_name": "WHO-5 Psychological Well-Being",
    "frequency": "monthly",
    "community_customization": true,
    "cultural_adaptation": {
```

```json
      "question_modification": "community_controlled",
      "cultural_context_addition": "enabled",
      "traditional_wellbeing_integration": "supported"
    },
    "target_benchmarks": {
      "individual_improvement": "20% increase over 12 months",
      "community_average": "WHO-5 score above 15 (out of 25)",
      "equity_tracking": "reduced disparities across demographics"
    },
    "data_collection": {
      "survey_frequency": "monthly_optional",
      "reminder_system": "gentle_community_based",
      "privacy_protection": "anonymized_aggregation",
      "community_discussion": "group_interpretation_sessions"
    }
  }
}
```

Social Connectedness Scale:

```json
{
  "social_connectedness": {
    "metric_name": "Community Connection and Belonging",
    "dimensions": [
      "family_relationships",
      "friend_networks",
      "community_belonging",
      "cultural_connection",
      "intergenerational_bonds",
      "spiritual_community"
    ],
    "community_adaptations": {
      "kinship_definitions": "community_defined",
      "cultural_connection_measures": "traditional_authority_guided",
      "community_boundaries": "self_determined"
    },
    "measurement_approaches": {
      "quantitative_surveys": "baseline_tracking",
      "qualitative_narratives": "story_collection",
      "community_mapping": "relationship_visualization",
```

```
        "traditional_assessment": "elder_wisdom_integration"
      }
    }
  }
```

Meaning and Purpose Assessment

Existential Well-Being Tracking:

```
{
  "meaning_purpose": {
    "metric_name": "Life Meaning and Purpose",
    "cultural_frameworks": {
      "secular_meaning": "values_based_assessment",
      "spiritual_purpose": "traditional_guidance_integration",
      "community_service": "contribution_recognition",
      "intergenerational_purpose": "legacy_consideration"
    },
    "assessment_methods": {
      "meaning_in_life_questionnaire": "adapted_for_culture",
      "purpose_exploration_dialogues": "community_facilitated",
      "spiritual_direction_tracking": "traditional_healer_guided",
      "service_contribution_recognition": "time_banking_integration"
    },
    "community_outcomes": {
      "individual_purpose_clarity": "personal_mission_development",
      "community_shared_purpose": "collective_vision_strength",
      "intergenerational_wisdom": "elder_youth_connection",
      "cultural_transmission": "traditional_knowledge_vitality"
    }
  }
}
```

Traditional Healing and Cultural Vitality Metrics

Cultural Restoration Indicators

```json
{
  "cultural_vitality": {
    "traditional_healing_metrics": {
      "healer_availability": "community_recognized_practitioners",
      "practice_transmission": "apprenticeship_and_learning_activity",
      "ceremony_participation": "community_ritual_engagement",
      "knowledge_preservation": "traditional_wisdom_documentation"
    },
    "language_and_culture": {
      "heritage_language_use": "community_language_vitality",
      "cultural_practice_participation": "traditional_activity_engagement",
      "storytelling_tradition": "oral_tradition_preservation",
      "artistic_expression": "traditional_arts_practice"
    },
    "intergenerational_connection": {
      "elder_youth_relationships": "cross_generational_mentorship",
      "wisdom_transmission": "traditional_knowledge_sharing",
      "cultural_identity_strength": "heritage_pride_and_knowledge",
      "family_healing": "generational_trauma_recovery"
    }
  }
}
```

Community Healing Indicators

```json
{
  "community_healing": {
    "collective_trauma_recovery": {
      "historical_trauma_healing": "community_processing_activities",
      "cultural_identity_restoration": "heritage_reclamation_efforts",
      "land_connection": "traditional_territory_relationship",
      "spiritual_renewal": "ceremony_and_ritual_revival"
    },
    "community_resilience": {
      "mutual_aid_networks": "community_support_system_strength",
      "crisis_response_capacity": "community_led_emergency_support",
      "conflict_resolution": "traditional_justice_and_mediation",
      "collective_efficacy": "community_problem_solving_ability"
```

```
    },
    "social_cohesion": {
      "community_events": "celebration_and_gathering_frequency",
      "shared_projects": "collaborative_community_initiatives",
      "civic_participation": "community_governance_engagement",
      "neighborhood_connection": "local_relationship_strength"
    }
  }
}
```

Community Asset and Resource Mapping

Healing Resource Inventory

```
{
  "community_assets": {
    "traditional_healers": {
      "practitioner_directory": "community_recognized_healers",
      "specialization_mapping": "healing_expertise_areas",
      "availability_tracking": "service_accessibility",
      "referral_networks": "healer_collaboration_systems"
    },
    "peer_support_networks": {
      "peer_specialist_availability": "trained_community_supporters",
      "support_group_mapping": "mutual_aid_circle_inventory",
      "crisis_response_teams": "community_emergency_support",
      "advocacy_networks": "rights_based_organizing_capacity"
    },
    "community_spaces": {
      "healing_spaces": "traditional_ceremony_and_healing_locations",
      "gathering_places": "community_meeting_and_celebration_spaces",
      "nature_access": "land_based_healing_opportunities",
      "cultural_centers": "heritage_preservation_and_celebration_faci
    },
    "economic_support": {
      "mutual_aid_funds": "community_controlled_emergency_resources",
      "time_banking": "care_labor_recognition_systems",
      "cooperative_enterprises": "community_economic_alternatives",
```

```
        "resource_sharing": "tool_libraries_and_sharing_networks"
      }
    }
  }
```

Crisis Response and Rights Tracking

Community Crisis Response Metrics

```
{
  "crisis_response": {
    "community_crisis_support": {
      "response_time": "community_support_mobilization_speed",
      "cultural_appropriateness": "traditional_healing_crisis_integra
      "family_involvement": "community_and_family_support_inclusion",
      "rights_protection": "dignity_and_autonomy_preservation"
    },
    "alternatives_to_coercion": {
      "involuntary_intervention_reduction": "coercive_practice_elimina
      "community_alternative_availability": "voluntary_support_option_
      "peer_crisis_support": "lived_experience_crisis_response",
      "traditional_healing_crisis": "cultural_crisis_support_availabi
    },
    "recovery_and_integration": {
      "community_reintegration": "post_crisis_community_support",
      "ongoing_support_access": "sustained_community_connection",
      "trauma_informed_approach": "healing_centered_crisis_response",
      "family_and_community_healing": "collective_recovery_support"
    }
  }
}
```

User Interface Design

Dashboard Layout Framework

Community Leadership Dashboard View

Primary Interface for Community Mental Health Task Force Leaders:

```
Header Navigation
├── Community Overview (Flourishing Snapshot)
├── Detailed Metrics (Deep Dive Analytics)
├── Community Stories (Narrative Collection)
├── Resource Management (Asset Coordination)
├── Advocacy Tools (Policy Campaign Support)
└── Settings (Community Customization)


Main Dashboard Layout

┌─────────────────────────────────────────────────────┐
│ Community Flourishing Overview                        │
├───────────────────┬───────────────────┬──────────────┤
│ Well-Being        │ Social            │ Meaning & Purpose
│ Trends            │ Connection        │ Development
│                   │ Strength          │
│ [Graph View]      │ [Network View]    │ [Progress Indicators]
├───────────────────┼───────────────────┼──────────────┤
│ Traditional       │ Crisis Response   │ Community Assets
│ Healing           │ Effectiveness     │ & Resources
│ Vitality          │                   │
│ [Cultural Map]    │ [Response Data]   │ [Resource Directory]
├───────────────────┴───────────────────┴──────────────┤
│ Community Stories & Narrative Highlights              │
│ [Rotating Story Display with Community Approval]      │
├───────────────────────────────────────────────────────┤
│ Action Items & Advocacy Priorities                    │
│ [Community-Determined Focus Areas and Campaign Progress]
└───────────────────────────────────────────────────────┘
```

Community Member Dashboard View

Simplified Interface for General Community Participation:

```
Main Community View

┌──────────────────────────────────────────────────────────────┐
│ How Is Our Community Doing? (Simple Status Overview)          │
├──────────────────┬──────────────────┬──────────────────────  │
│ Community         │ Support           │ Ways to Get           │
│ Well-Being        │ Available         │ Involved              │
│                   │                   │                       │
│ [Simple Meter]    │ [Resource List]   │ [Participation Options]│
├──────────────────┴──────────────────┴──────────────────────  │
│ Community Voices (Approved Stories and Updates)              │
│ [Community Narrative Feed]                                   │
├──────────────────────────────────────────────────────────── │
│ How Can I Contribute? (Participation Opportunities)         │
│ [Survey Participation, Story Sharing, Volunteer Options]    │
└──────────────────────────────────────────────────────────── ┘
```

Data Visualization Design Principles

Cultural Responsiveness in Visualization

Visual Design Adapting to Community Cultural Values:

Color and Symbol Systems:

```
{
  "cultural_color_adaptation": {
    "community_color_preferences": "traditional_color_significance",
    "sacred_color_avoidance": "cultural_protocol_respect",
    "accessibility_integration": "colorblind_and_vision_accessibility",
    "emotional_color_associations": "culturally_appropriate_meaning"
  },
  "symbol_systems": {
    "traditional_symbol_integration": "community_approved_cultural_sym
    "universal_accessibility": "cross_cultural_comprehension",
    "sacred_symbol_protection": "appropriate_use_protocols",
    "community_identity_reflection": "heritage_honoring_design"
```

```
      }
  }
```

Narrative-Centered Visualization:

```
{
  "storytelling_integration": {
    "data_storytelling": "metrics_presented_through_community_narrativ
    "oral_tradition_respect": "story_based_rather_than_chart_heavy",
    "visual_metaphors": "culturally_resonant_metaphorical_representati
    "community_voice_centering": "data_interpreted_through_lived_exper
  }
}
```

Accessibility-First Design

Universal Design Ensuring Access for All Community Members:

Neurodiversity Accommodation:

```
{
  "neurodivergent_design": {
    "sensory_considerations": {
      "visual_sensitivity": "adjustable_contrast_and_brightness",
      "auditory_processing": "visual_and_text_alternatives",
      "cognitive_processing": "simple_navigation_and_clear_hierarchy",
      "attention_differences": "focus_mode_and_distraction_reduction"
    },
    "communication_preferences": {
      "multiple_input_methods": "voice_text_visual_gesture_options",
      "processing_time": "no_time_pressure_interfaces",
      "information_chunking": "digestible_information_presentation",
      "alternative_formats": "audio_visual_tactile_options"
    }
  }
}
```

Digital Divide Accommodation:

```
{
  "technology_accessibility": {
    "low_bandwidth_optimization": "works_on_slow_internet_connections"
    "older_device_compatibility": "functions_on_basic_smartphones",
    "offline_functionality": "core_features_available_without_internet
    "multi_platform_access": "web_mobile_desktop_compatibility"
  },
  "digital_literacy_support": {
    "intuitive_navigation": "minimal_learning_curve_required",
    "help_and_tutorial": "community_language_guidance_system",
    "peer_support_integration": "community_member_tech_support",
    "paper_backup_options": "printable_versions_of_key_information"
  }
}
```

Interactive Features Framework

Community Participation Tools

Features Enabling Community Engagement and Input:

Story Collection and Sharing:

```
{
  "narrative_collection": {
    "story_submission": {
      "multiple_formats": "text_audio_video_art_submission",
      "privacy_controls": "anonymous_identified_community_controlled",
      "community_approval": "elder_leader_review_before_sharing",
      "cultural_protocols": "traditional_authority_guidance_integration
    },
    "story_curation": {
      "community_editorial": "community_controlled_story_selection",
      "cultural_appropriateness": "traditional_authority_review",
      "healing_focus": "stories_supporting_community_healing",
      "diversity_inclusion": "representative_voice_inclusion"
    }
```

```
      }
   }
```

Participatory Data Collection:

```
{
  "community_data_input": {
    "survey_participation": {
      "culturally_adapted_surveys": "community_customized_questions",
      "flexible_participation": "optional_anonymous_timed_convenience"
      "multiple_languages": "heritage_language_options",
      "accessibility_accommodations": "various_input_method_support"
    },
    "asset_mapping_input": {
      "community_resource_reporting": "grassroots_resource_identifica
      "healer_network_updates": "traditional_practitioner_directory_ma
      "mutual_aid_tracking": "community_support_network_documentation"
      "need_identification": "community_priority_and_gap_reporting"
    }
  }
}
```

Community Control Features

Data Sovereignty Framework

Community Data Ownership

Technical Implementation of Community Data Sovereignty:

Local Data Storage Options:

```
{
  "data_storage_control": {
    "community_server_option": {
      "local_hosting": "community_controlled_server_infrastructure",
```

```
      "data_residency": "data_remains_in_community_territory",
      "access_control": "community_administrator_managed",
      "backup_sovereignty": "community_controlled_data_backup"
    },
    "federated_storage": {
      "distributed_architecture": "data_spread_across_trusted_communi
      "encryption_standards": "end_to_end_community_key_management",
      "selective_sharing": "granular_community_controlled_data_sharin
      "right_to_deletion": "complete_data_removal_on_community_reques
    }
  }
}
```

Community Access Control System:

```
{
  "access_management": {
    "role_based_permissions": {
      "community_leaders": "full_dashboard_access_and_configuration",
      "traditional_healers": "cultural_metrics_and_story_approval",
      "community_members": "participation_and_basic_viewing",
      "outside_researchers": "community_approved_limited_access"
    },
    "community_approval_workflows": {
      "story_publication": "traditional_authority_and_community_leade
      "data_sharing": "community_council_decision_making",
      "research_access": "FPIC_protocols_for_external_research",
      "advocacy_use": "community_controlled_narrative_use"
    }
  }
}
```

Community Narrative Control

Features Ensuring Community Control Over Storytelling and Representation:

Editorial Control System:

```
{
  "narrative_governance": {
    "story_approval_process": {
      "community_editorial_board": "traditional_healers_elders_youth_r
      "cultural_appropriateness_review": "traditional_authority_guidar
      "healing_impact_assessment": "story_contribution_to_community_he
      "privacy_protection_review": "individual_and_family_privacy_pro1
    },
    "representation_standards": {
      "diversity_requirements": "age_gender_cultural_perspective_inclu
      "strength_based_framing": "asset_based_rather_than_deficit_focus
      "community_dignity": "respectful_representation_maintaining_comm
      "traditional_knowledge_protection": "sacred_knowledge_boundary_r
    }
  }
}
```

Community Customization Framework

Cultural Adaptation Engine

Technical Framework for Deep Cultural Customization:

Interface Localization System:

```
{
  "cultural_interface_adaptation": {
    "language_customization": {
      "heritage_language_support": "indigenous_and_community_language_
      "cultural_concept_translation": "concepts_adapted_not_just_word_
      "ceremonial_calendar_integration": "traditional_time_keeping_sys
      "kinship_terminology": "family_and_community_relationship_terms'
    },
    "visual_cultural_adaptation": {
      "traditional_art_integration": "community_artistic_tradition_inc
      "sacred_geometry_options": "culturally_significant_design_patter
      "color_meaning_respect": "traditional_color_significance_honorir
      "symbol_system_customization": "community_approved_symbolic_repi
```

```
        }
      }
    }
```

Metric Framework Customization:

```json
{
  "community_metric_definition": {
    "wellbeing_concept_adaptation": {
      "traditional_wellness_definitions": "community_defined_flourish:
      "cultural_health_indicators": "traditional_signs_of_mental_spir:
      "community_success_measures": "locally_relevant_achievement_ind:
      "intergenerational_health": "elder_youth_connection_quality_mea:
    },
    "data_collection_methods": {
      "culturally_appropriate_questions": "survey_items_adapted_to_cu
      "traditional_assessment_integration": "elder_healer_evaluation_
      "ceremony_based_evaluation": "ritual_and_ceremony_wellbeing_ass
      "storytelling_based_metrics": "narrative_indicators_of_communit
    }
  }
}
```

Cultural Adaptation Framework

Traditional Knowledge Integration

Indigenous and Traditional Healing Metrics

Frameworks for Integrating Traditional Healing Approaches:

Traditional Healer Integration:

```json
{
  "traditional_healing_metrics": {
    "healer_assessment_methods": {
```

```
        "traditional_evaluation": "elder_healer_assessment_of_community_
        "ceremony_effectiveness": "traditional_measures_of_ritual_heali
        "spiritual_health_indicators": "community_spiritual_vitality_as:
        "cultural_transmission": "traditional_knowledge_preservation_and
      },
      "community_healing_indicators": {
        "collective_ceremony_participation": "community_ritual_engageme
        "traditional_practice_vitality": "heritage_healing_practice_str
        "intergenerational_connection": "elder_youth_traditional_knowle
        "land_based_healing": "connection_to_traditional_territory_and_
      }
    }
  }
```

Sacred Knowledge Protection Protocols:

```
{
  "knowledge_protection": {
    "sacred_boundary_respect": {
      "public_private_knowledge_distinction": "community_defined_shar:
      "traditional_authority_control": "elder_healer_approval_for_knov
      "ceremonial_information_protection": "sacred_ritual_information_
      "community_consent_protocols": "FPIC_for_traditional_knowledge_
    },
    "cultural_appropriation_prevention": {
      "community_ownership_recognition": "traditional_knowledge_intel
      "context_preservation": "traditional_knowledge_kept_in_appropri
      "commercial_protection": "prevention_of_traditional_knowledge_c
      "benefit_sharing": "community_benefit_from_traditional_knowledg
    }
  }
}
```

Multi-Cultural Community Support

Religious and Spiritual Diversity

Framework Supporting Multiple Spiritual and Religious Traditions:

Multi-Faith Integration:

```
{
  "religious_diversity_support": {
    "interfaith_metrics": {
      "spiritual_wellbeing_diversity": "multiple_spiritual_path_welln
      "religious_practice_support": "faith_based_healing_resource_ava:
      "interfaith_cooperation": "cross_tradition_community_healing_co
      "secular_spiritual_inclusion": "non_religious_meaning_making_su
    },
    "sacred_time_respect": {
      "multiple_sabbath_accommodation": "diverse_religious_rest_and_r
      "religious_holiday_integration": "faith_tradition_celebration_r
      "prayer_meditation_time": "contemplative_practice_scheduling_ac
      "pilgrimage_retreat_support": "spiritual_journey_and_renewal_re
    }
  }
}
```

Immigrant and Diaspora Community Adaptation

Supporting Communities Maintaining Heritage While Adapting to New Contexts:

Cultural Bridge Building:

```
{
  "diaspora_community_support": {
    "heritage_preservation": {
      "homeland_tradition_maintenance": "traditional_practice_preserv
      "language_preservation": "heritage_language_use_and_transmissio
      "cultural_identity_strength": "ethnic_cultural_pride_and_knowle
      "intergenerational_transmission": "elder_youth_heritage_knowledg
    },
    "adaptation_support": {
      "cultural_bridge_building": "homeland_new_culture_integration_su
      "bicultural_identity": "multiple_cultural_identity_navigation_su
      "community_building": "diaspora_community_network_development",
      "discrimination_resistance": "cultural_pride_and_resilience_bui
    }
```

```
        }
    }
}
```

Accessibility & Inclusion

Universal Design Implementation

Neurodiversity-Centered Design

Comprehensive Accessibility for Neurodivergent Community Members:

Cognitive Accessibility Framework:

```
{
  "neurodivergent_accessibility": {
    "attention_and_focus": {
      "distraction_reduction": "minimal_interface_clutter_focus_mode",
      "attention_accommodation": "adjustable_information_density",
      "hyperfocus_support": "detailed_exploration_options_without_over
      "attention_switching": "clear_navigation_and_section_boundaries"
    },
    "processing_differences": {
      "executive_function_support": "step_by_step_guidance_clear_work
      "working_memory_accommodation": "persistent_information_display"
      "processing_speed_flexibility": "no_time_pressure_self_paced_in
      "pattern_recognition": "consistent_interface_patterns_and_predi
    },
    "sensory_considerations": {
      "visual_sensitivity": "adjustable_brightness_contrast_color_cus
      "auditory_processing": "visual_text_alternatives_sound_control",
      "tactile_preferences": "haptic_feedback_options_touch_sensitivi
      "multisensory_integration": "coordinated_visual_auditory_tactil
    }
  }
}
```

Communication Accessibility:

```json
{
  "communication_accommodation": {
    "language_processing": {
      "plain_language": "simple_clear_language_avoiding_jargon",
      "multiple_communication_modes": "text_visual_audio_gesture_optio
      "translation_support": "heritage_language_and_simple_language_ve
      "concept_explanation": "complex_idea_breakdown_and_illustration"
    },
    "social_communication": {
      "indirect_communication": "non_confrontational_feedback_and_inpu
      "privacy_comfort": "anonymous_and_private_participation_options"
      "social_anxiety_accommodation": "low_pressure_social_interactio
      "community_connection": "various_ways_to_connect_with_community"
    }
  }
}
```

Economic Accessibility Framework

Digital Divide Bridge

Ensuring Access Regardless of Economic Resources:

Technology Access Solutions:

```json
{
  "economic_accessibility": {
    "device_compatibility": {
      "low_end_device_support": "basic_smartphone_and_computer_compat
      "older_technology": "backwards_compatibility_for_older_devices"
      "shared_device_optimization": "multiple_user_family_device_shar
      "public_access_optimization": "library_community_center_access_
    },
    "connectivity_solutions": {
      "low_bandwidth_optimization": "minimal_data_usage_offline_capab
      "intermittent_connection": "sync_when_connected_offline_functio
```

```
        "public_wifi_optimization": "secure_public_network_access_desig
        "mobile_data_efficiency": "data_conscious_mobile_experience"
      },
      "digital_literacy_support": {
        "intuitive_design": "minimal_learning_curve_self_explanatory_in
        "tutorial_integration": "built_in_guidance_and_help_system",
        "peer_support": "community_member_help_and_training_integration
        "alternative_access": "phone_paper_in_person_participation_opti
      }
    }
  }
```

Technical Requirements

Platform Architecture Specifications

Backend Infrastructure Requirements

Technical Specifications for Robust, Scalable, Community-Controlled Platform:

Database Architecture:

```
{
  "database_specifications": {
    "data_storage": {
      "database_type": "PostgreSQL with encryption at rest",
      "community_data_isolation": "multi-tenant architecture with com
      "backup_strategy": "automated encrypted backups with community-
      "data_residency": "configurable data location respecting commun
    },
    "performance_requirements": {
      "concurrent_users": "support 1000+ simultaneous community users
      "response_times": "page loads under 2 seconds on standard conne
      "data_processing": "real-time metric calculation and dashboard
      "scalability": "horizontal scaling to support growing community
    },
    "security_specifications": {
```

```
        "encryption_standards": "AES-256 encryption for data at rest an
        "authentication": "multi-factor authentication with community-c
        "authorization": "role-based access control with community-defi
        "audit_logging": "comprehensive audit logs with community transp
      }
    }
  }
```

API Architecture:

```
{
  "api_specifications": {
    "restful_api": {
      "endpoint_structure": "RESTful endpoints following OpenAPI 3.0 :
      "authentication": "OAuth 2.0 with community-controlled identity
      "rate_limiting": "configurable rate limits protecting community
      "versioning": "semantic versioning with backwards compatibility"
    },
    "integration_apis": {
      "community_system_integration": "APIs for existing community pl:
      "traditional_healing_systems": "integration with traditional kn
      "advocacy_tool_integration": "APIs for policy advocacy and camp;
      "cross_community_federation": "optional APIs for cross-community
    },
    "data_export_apis": {
      "community_data_export": "full community data export in open fo;
      "advocacy_report_generation": "automated generation of advocacy
      "research_data_preparation": "community-controlled research dat;
      "backup_and_migration": "complete platform migration and backup
    }
  }
}
```

Frontend Technical Specifications

User Interface Technical Requirements:

Web Application Framework:

```
{
  "frontend_specifications": {
    "framework_requirements": {
      "primary_framework": "React or Vue.js for component-based archit
      "responsive_design": "mobile-first responsive design using CSS (
      "accessibility_compliance": "WCAG 2.1 AA compliance with enhance
      "performance_optimization": "lazy loading, code splitting, and p
    },
    "browser_compatibility": {
      "modern_browsers": "support for Chrome, Firefox, Safari, Edge (
      "mobile_browsers": "optimized mobile browser experience on iOS a
      "older_browser_support": "graceful degradation for older browse
      "accessibility_browser_support": "screen reader and assistive t
    },
    "offline_capabilities": {
      "service_worker": "service worker implementation for offline fu
      "data_caching": "intelligent caching of community data and dashk
      "offline_forms": "offline form completion with sync when connec
      "progressive_enhancement": "core functionality available withou
    }
  }
}
```

Privacy and Security Framework

Community Data Protection

Comprehensive Privacy Protection Meeting Community Sovereignty Requirements:

Privacy Architecture:

```
{
  "privacy_framework": {
    "data_minimization": {
      "purpose_limitation": "data collection limited to community-def:
      "retention_policies": "community-controlled data retention and (
      "granular_consent": "specific consent for each type of data use
      "right_to_deletion": "comprehensive right to be forgotten implen
```

```
    },
    "encryption_implementation": {
      "end_to_end_encryption": "E2EE for sensitive community communica
      "key_management": "community-controlled encryption key managemen
      "zero_knowledge_architecture": "server cannot decrypt sensitive
      "secure_communication": "encrypted channels for all dashboard co
    },
    "anonymization_protocols": {
      "differential_privacy": "mathematical privacy protection for agg
      "k_anonymity": "ensuring individual data cannot be re-identified
      "data_masking": "protecting individual identity while preserving
      "aggregation_thresholds": "minimum group sizes for sharing any o
    }
  }
}
```

Community Consent Management:

```
{
  "consent_framework": {
    "granular_consent_system": {
      "purpose_specific_consent": "separate consent for dashboard use,
      "time_limited_consent": "consent expiration and renewal for ong
      "withdrawal_mechanisms": "easy consent withdrawal with immediat
      "consent_transparency": "clear explanation of data use in commu
    },
    "community_level_consent": {
      "collective_decision_making": "community governance for group-l
      "traditional_authority_integration": "elder and healer guidance
      "community_benefit_assessment": "community evaluation of data s
      "cultural_protocol_integration": "consent processes following t
    }
  }
}
```

Integration and Interoperability

Community Platform Integration

Technical Specifications for Integration with Existing Community Systems:

Existing Platform Integration:

```
{
  "integration_specifications": {
    "community_management_systems": {
      "membership_system_integration": "SSO with existing community m
      "event_management_integration": "sync with community event and
      "communication_platform_sync": "integration with community comm
      "resource_management_integration": "sync with community resourc
    },
    "healthcare_system_integration": {
      "ehr_integration": "secure integration with Electronic Health R
      "clinical_system_apis": "APIs for clinical system integration w
      "health_data_standards": "FHIR and HL7 compliance for health da
      "privacy_preserving_integration": "healthcare integration with
    },
    "advocacy_tool_integration": {
      "campaign_management": "integration with advocacy campaign mana
      "policy_tracking": "sync with policy monitoring and advocacy tr
      "social_media_integration": "community-controlled social media
      "report_generation": "automated advocacy report generation from
    }
  }
}
```

Implementation Roadmap

Development Phases

Phase 1: Foundation Development (Months 1-6)

Core Platform Development with Community Input:

Technical Foundation:

```
{
  "phase_1_deliverables": {
    "core_infrastructure": {
      "database_setup": "secure PostgreSQL setup with community data :
      "api_development": "core RESTful APIs for data management and c
      "authentication_system": "secure authentication with community-
      "basic_frontend": "responsive web application with accessibilit
    },
    "community_features": {
      "user_management": "community-controlled user roles and permiss:
      "basic_metrics": "WHO-5 and Social Connectedness Scale implement
      "story_collection": "narrative collection system with community
      "cultural_customization": "basic language and visual customizat:
    },
    "pilot_testing": {
      "community_pilot": "pilot testing with 3-5 diverse communities",
      "feedback_integration": "systematic feedback collection and into
      "iteration_cycles": "rapid iteration based on community input",
      "documentation": "comprehensive technical and user documentation
    }
  }
}
```

Phase 2: Advanced Features (Months 7-12)

Enhanced Community Control and Cultural Adaptation:

Advanced Community Features:

```
{
  "phase_2_deliverables": {
    "cultural_adaptation": {
      "deep_customization": "comprehensive cultural adaptation framew
      "traditional_healing_integration": "traditional healing metrics
      "multi_language_support": "heritage language support and cultur
      "visual_cultural_adaptation": "traditional art and symbol integi
    },
    "advanced_analytics": {
      "community_defined_metrics": "custom metric definition and trac
```

```
      "trend_analysis": "longitudinal analysis and community progress
      "cross_community_learning": "anonymous aggregation for cross-co
      "advocacy_report_generation": "automated advocacy and policy re
    },
    "enhanced_accessibility": {
      "neurodiversity_features": "comprehensive neurodivergent access
      "offline_functionality": "robust offline capabilities and data
      "mobile_optimization": "native mobile app development for iOS a
      "assistive_technology": "enhanced screen reader and assistive t
    }
  }
}
```

Phase 3: Network and Scale (Months 13-18)

Federation and Cross-Community Learning:

Scaling Framework:

```
{
  "phase_3_deliverables": {
    "federation_network": {
      "cross_community_federation": "optional federation for cross-co
      "privacy_preserving_aggregation": "anonymous data sharing for c
      "solidarity_features": "mutual aid and cross-community support
      "global_advocacy_integration": "coordination tools for global m
    },
    "enterprise_features": {
      "multi_tenancy": "robust multi-tenant architecture for community
      "advanced_security": "enterprise-grade security for sensitive c
      "integration_ecosystem": "comprehensive integration with commun
      "white_label_deployment": "customizable deployment for differen
    },
    "sustainability": {
      "community_ownership": "framework for community ownership and g
      "funding_integration": "integration with community funding and
      "open_source_transition": "transition to community-controlled o
      "long_term_maintenance": "community capacity building for platf
    }
```

```
      }
  }
```

Community Engagement Strategy

Co-Design Process Framework

Ensuring Community Leadership in Platform Development:

Community Partnership Development:

```
{
  "community_engagement": {
    "partnership_establishment": {
      "community_identification": "identification of diverse pilot co
      "relationship_building": "long-term relationship building with
      "cultural_protocol_learning": "learning appropriate cultural pro
      "trust_development": "building trust through community support
    },
    "co_design_process": {
      "community_visioning": "community-led visioning sessions for da
      "user_story_development": "community-generated user stories and
      "prototype_testing": "iterative prototype testing with communit
      "cultural_adaptation_guidance": "community guidance on cultural
    },
    "ongoing_partnership": {
      "community_advisory_board": "establishment of community advisory
      "regular_feedback_cycles": "systematic community feedback colle
      "community_capacity_building": "training community members in p
      "knowledge_sharing": "cross-community knowledge sharing and lea
    }
  }
}
```

Testing and Quality Assurance

Community-Centered Testing Framework

Testing Approach Prioritizing Community Needs and Cultural Appropriateness:

Comprehensive Testing Strategy:

```
{
  "testing_framework": {
    "functional_testing": {
      "user_acceptance_testing": "community-led testing of all platfor
      "accessibility_testing": "comprehensive accessibility testing w:
      "cultural_appropriateness_testing": "cultural competency review
      "security_testing": "penetration testing and security auditing
    },
    "performance_testing": {
      "load_testing": "testing platform performance under community us
      "mobile_performance": "mobile device performance testing on var:
      "offline_functionality_testing": "testing offline capabilities &
      "low_bandwidth_testing": "performance testing on slow internet &
    },
    "community_feedback_integration": {
      "iterative_testing_cycles": "regular testing cycles with commun:
      "bug_reporting_system": "community-friendly bug reporting and i:
      "feature_request_process": "community-driven feature request and
      "continuous_improvement": "ongoing platform improvement based on
    }
  }
}
```

Implementation Support Resources

Development Team Requirements

Required Technical Expertise

Team Composition for Successful Platform Development:

Core Development Team:

- **Full-Stack Developers (2-3)**: React/Vue.js frontend, Node.js/Python backend, PostgreSQL database

- **Mobile Developers (1-2)**: iOS and Android native or React Native development

- **DevOps Engineer (1)**: Cloud infrastructure, security, and deployment automation

- **UX/UI Designer (1)**: Accessibility-focused design with cultural sensitivity

- **Security Engineer (1)**: Privacy protection and community data sovereignty implementation

Community Integration Team:

- **Community Liaison Specialists (2-3)**: Relationship building and cultural protocol learning

- **Cultural Competency Consultants**: Traditional healing and cultural adaptation guidance

- **Accessibility Consultants**: Neurodiversity and disability accessibility expertise

- **Privacy and Rights Advocates**: Community data sovereignty and privacy protection

Community Partnership Requirements

Essential Community Relationships for Successful Implementation:

Community Leadership Engagement:

- **Traditional Healers and Elders**: Cultural guidance and traditional knowledge integration

- **Community Mental Health Leaders**: Practical implementation and community needs assessment

- **Youth Representatives**: Technology adoption and intergenerational perspective

- **Disability and Neurodiversity Advocates**: Accessibility and inclusion guidance

Budget and Resource Planning

Development Cost Estimation

Budget Framework for Platform Development and Community Partnership:

Phase 1 Development Costs (6 months):

- **Development Team**: $300,000 - $450,000

- **Community Partnership and Engagement**: $75,000 - $100,000

- **Infrastructure and Tools**: $25,000 - $50,000

- **Testing and Quality Assurance**: $50,000 - $75,000

- **Total Phase 1**: $450,000 - $675,000

Phase 2 Advanced Features (6 months):

- **Extended Development**: $200,000 - $300,000

- **Cultural Adaptation Specialists**: $50,000 - $75,000

- **Accessibility Enhancement**: $40,000 - $60,000

- **Community Feedback Integration**: $30,000 - $50,000

- **Total Phase 2**: $320,000 - $485,000

Phase 3 Scaling and Federation (6 months):

- **Network Development**: $150,000 - $250,000

- **Enterprise Features**: $100,000 - $150,000

- **Community Ownership Transition**: $50,000 - $75,000

- **Documentation and Training**: $25,000 - $50,000

- **Total Phase 3**: $325,000 - $525,000

Deployment and Maintenance

Community-Controlled Hosting Options

Technical Infrastructure Supporting Community Data Sovereignty:

Hosting Architecture Options:

```
{
  "hosting_options": {
    "community_controlled_servers": {
      "local_hosting": "community-owned and operated server infrastruc
      "cooperative_hosting": "shared hosting cooperatives for smaller
      "indigenous_data_centers": "indigenous-owned data centers for ti
      "community_cloud": "community-controlled cloud infrastructure"
```

```
    },
    "hybrid_solutions": {
      "federated_hosting": "distributed hosting across trusted communi
      "backup_redundancy": "multiple community-controlled backup loca
      "disaster_recovery": "community-controlled disaster recovery pla
      "data_portability": "easy migration between hosting providers"
    }
  }
}
```

Contact and Implementation Support

Technical Support Framework

Currently available:

- ✅ Comprehensive technical specification for dashboard development
- ✅ Community engagement framework and co-design processes
- 🚧 Development team coordination and technical consulting (in development)
- 🚧 Community partnership facilitation and cultural competency training (in development)

Contact Information:

- **Primary Contact:** globalgovernanceframework@gmail.com

- **Website:** globalgovernanceframework.org

- **Subject Lines for Specific Support:**
  - "Dashboard Development" - for technical development and implementation support

  - "Community Partnership" - for community engagement and cultural adaptation guidance

  - "Accessibility Implementation" - for neurodiversity and accessibility consulting

  - "Cultural Adaptation" - for traditional healing integration and cultural competency

Open Source and Community Development

Community-Controlled Development Model: This specification is designed to support community-controlled development and ownership of psychosocial flourishing metrics dashboards, with the ultimate goal of transitioning platform ownership to community governance structures.

Open Source Vision: The platform should transition to community-controlled open source development, enabling communities to modify, adapt, and control their own dashboard implementations while participating in collaborative development networks.

Conclusion

The Psychosocial Flourishing Metrics Dashboard Specification provides a comprehensive technical framework for building community-controlled monitoring tools that honor diverse cultural approaches to wellbeing while enabling effective advocacy for mental health transformation. By implementing this specification, development teams can create dashboards that truly serve community healing rather than extractive data collection.

Key Implementation Priorities:

1. **Community Sovereignty**: Ensure communities control all aspects of their data, metrics, and narrative representation

2. **Cultural Responsiveness**: Implement deep cultural adaptation supporting diverse healing traditions and knowledge systems

3. **Accessibility Excellence**: Create universally accessible platforms serving all community members regardless of ability or resources

4. **Privacy Protection**: Implement comprehensive privacy protection supporting community data sovereignty

5. **Community Partnership**: Maintain authentic community partnership throughout development and implementation

Transformative Potential: This dashboard specification enables communities to measure what matters most - flourishing, connection, meaning, and cultural vitality - while building power for mental health policy advocacy and system transformation.

Living Document Status: This specification is designed for continuous evolution based on community implementation experience and emerging community needs. Current version represents comprehensive technical analysis as of June 2025 with regular updates planned based on community feedback and technological developments.

Framework Development: This specification is part of the Global Governance Framework initiative, developed through iterative refinement using multiple AI systems to achieve comprehensive research synthesis and maximize diversity of analytical perspectives, integrating evidence-based practices with community-led approaches to mental health monitoring and evaluation.

"Technology becomes medicine when it serves community healing rather than extracting data, when it amplifies community wisdom rather than imposing external metrics, when it builds power for transformation rather than surveillance for control. These dashboards are tools of liberation - measuring the sacred dimensions of human flourishing that no algorithm can capture but every community knows in their bones."