

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Chronic Pain Diary Analyzer MCP

Find the patterns behind your pain flares.

Chronic Pain Diary Analyzer MCP connects your AI client to your personal health history. It looks for connections between your physical activity, sleep quality, and environmental factors like weather to help you understand why your pain changes. Instead of guessing, you can use your agent to spot specific triggers and plan your week around predicted low-pain windows.

A+ Quality Score 100/100

health

pain-management

analytics

wellness

biometrics



The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Chronic Pain Diary Analyzer MCP

4 tools available

Cloud-hosted on Vinkius

Managing chronic pain often feels like solving a puzzle with missing pieces. You track your symptoms, but seeing how weather, sleep, or a specific activity actually impacts your discomfort is difficult. This MCP changes that by giving your AI client direct access to your pain history.

Your agent can scan through your logs to find correlations that aren't obvious at first glance. It can check how a bad night of sleep relates to your pain levels the next day or see if high humidity consistently precedes a flare. By turning your raw diary entries into actionable data, you can stop reacting to pain and start anticipating it. You can use these insights to schedule physical therapy when you're feeling best or adjust your activity levels before a predicted flare hits. It turns a messy collection of notes into a clear map of your physical well-being.

Core Capabilities

01 — Trigger Identification

Your agent finds the specific environmental or physical factors that cause your pain to spike.

02 — Trend Analysis

The MCP calculates how your pain intensity fluctuates over days or weeks.

03 — Lifestyle Correlation

Your agent links your sleep patterns and activity levels to your pain scores.

04 — Predictive Planning

The tool forecasts windows of time where you are likely to experience lower pain levels.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/chronic-pain-diary-analyzer — connect your AI agent in three steps.

- 01 Connect your AI client to the MCP via Vinkius.
- 02 Provide your pain and activity history to your agent.
- 03 Ask your agent to identify triggers or trends.
- 04 Use the insights to plan your medication or therapy.

Connect your AI client to the Vinkius-hosted MCP to start analyzing your health data.

Built For

People managing long-term physical discomfort who keep digital logs of their symptoms.

Chronic Pain Patients

Users who want to hand their symptom logs to an AI to find hidden patterns.

Health Researchers

Individuals looking to correlate biometric data with environmental changes.

Wellness Coordinators

People using data to plan therapeutic activities around predicted pain windows.

What Changes When You Connect

- 01 Identifies correlations between weather, sleep, and pain.
- 02 Predicts optimal times for medication or therapy.
- 03 Turns raw diary entries into actionable health insights.
- 04 Connects directly to your existing AI client.

Real-World Applications

Scheduling Therapy

Use predicted low-pain windows to pick the best time for physical therapy sessions.

Sleep Optimization

See how changes in your sleep quality impact your daily pain levels.

Trigger Avoidance

Identify if high humidity or specific activities are causing your flares.

Long-term Tracking

Monitor how your pain intensity trends over several weeks or months.

4 Tools Available

#	TOOL	DESCRIPTION
01	analyze_activity_sleep_correlation	This tool examines how your daily movement and sleep quality affect your pain intensity.
02	get_pain_trends	Use this to pull and analyze your pain levels over a specific number of days.
03	identify_pain_triggers	This tool scans your history to find specific factors that correlate with your pain flares.
04	predict_intervention_windows	Your agent uses this to forecast the best times for you to take medication or perform therapy.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U How has my pain been changing over the last 14 days?



Your pain has been decreasing slightly, with an average intensity of 4.2 and low volatility over the last two weeks.

U What are my main pain triggers?



Your most significant triggers are high humidity and strenuous physical activity, which show a high correlation with your pain flares.

U When is a good time for me to schedule my physical therapy this week?



Based on your predicted low-pain windows, Thursday afternoon looks like an optimal time for your physical therapy.

Frequently Asked Questions

01 What AI clients can I use with this MCP?

You can use this MCP with any compatible client, including Claude, Cursor, Windsurf, and VS Code.

02 Do I need to host the MCP myself?

No, Vinkius hosts and manages the MCP for you. You just connect your client and start working.

03 Can this MCP predict when my pain will flare?

Yes, the predict_intervention_windows tool helps your agent forecast optimal times for medication or therapy based on your history.

04 How does it find my pain triggers?

The identify_pain_triggers tool scans your data to find significant correlations between your pain flares and other factors like weather or activity.

05 Does it look at my sleep data?

Yes, the analyze_activity_sleep_correlation tool specifically looks at the relationship between your sleep, activity, and pain.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

`https://edge.vinkius.com/[TOKEN]/mcp`

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"chronic-pain-diary-analyzer": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  Ask ChatGPT 
-  Ask Claude 
-  Ask Perplexity 
-  Ask Gemini 
-  Ask Grok 

READY TO CONNECT

Chronic Pain Diary Analyzer is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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DOCUMENT INFORMATION

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Platform	Vinkius Cloud for AI Agents
Endpoint	https://edge.vinkius.com/{token}/mcp

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