

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

Fatigue Severity Scorer MCP

Automate clinical fatigue scoring and functional impact analysis.

Fatigue Severity Scorer is a clinical tool that lets your AI client process Fatigue Severity Scale (FSS) responses. It handles the math for total scores, categorizes fatigue severity, and evaluates how much fatigue interferes with a person's daily life. You can use it to benchmark results against healthy population norms and generate prioritized clinical guidance based on the data.

A+ Quality Score 95.83/100

fatigue

fss

clinical

health-assessment

medical-scoring



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.

Fatigue Severity Scorer MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to turn raw questionnaire data into actionable clinical insights. Instead of manually calculating scores, you feed the FSS responses to your AI agent, which then handles the heavy lifting of scoring and categorization. It doesn't just stop at a number; it looks at how fatigue affects specific functional domains in a person's life. You can also check these results against standard healthy population benchmarks to see where a patient stands. This makes it a practical tool for clinicians or researchers who need to move from raw data to clinical recommendations without the manual math errors.

Core Capabilities

01 — Automated Scoring

Your agent uses this to turn raw numbers into specific fatigue categories.

02 — Functional Assessment

The AI uses this to determine how fatigue disrupts daily life.

03 — Normative Benchmarking

Your agent compares individual scores to healthy population data.

04 — Clinical Guidance

The AI generates prioritized next steps based on the severity results.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/fatigue-severity-scorer — connect your AI agent in three steps.

- 01 Connect your preferred AI client to the Vinkius-hosted MCP.
- 02 Provide the raw FSS questionnaire responses to your agent.
- 03 The agent uses the scoring tools to categorize the fatigue level.
- 04 The agent compares the score to population norms and assesses functional impact.
- 05 The agent presents the final clinical recommendations.

The process moves from raw data to clinical insight in a few steps.

Built For

This MCP is built for healthcare professionals and researchers managing fatigue-related data.

Clinicians

They hand off raw patient questionnaire responses to the AI for rapid scoring.

Medical Researchers

They use the tool to benchmark study participants against population norms.

Health Data Analysts

They use the tool to categorize fatigue severity across large datasets.

What Changes When You Connect

- 01 Eliminates manual calculation errors in FSS scoring.
- 02 Provides immediate context by comparing scores to healthy norms.

03 Identifies specific functional areas impacted by fatigue.

04 Generates prioritized clinical guidance based on data.

Real-World Applications

Patient Intake

Process FSS responses immediately after a patient completes a questionnaire.

Clinical Research

Benchmark participant fatigue levels against standard population data.

Progress Monitoring

Track changes in fatigue severity and functional impact over time.

Decision Support

Use generated recommendations to help guide clinical next steps.

4 Tools Available

#	TOOL	DESCRIPTION
01	assess_functional_impact	This tool evaluates how much reported fatigue interferes with a user's daily activities.
02	calculate_fss_score	This tool calculates the primary numerical score and fatigue category from raw questionnaire responses.
03	compare_to_norms	This tool compares a user's score against standard benchmarks for a healthy population.
04	generate_clinical_recommendations	This tool provides prioritized guidance based on the calculated severity and impact levels.

See It in Action

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

U Calculate the fatigue score for these responses: [3, 2, 4, 3, 2, 1, 3]



The total FSS score is 18, which indicates Severe Fatigue.

U What is the functional impact for a user with these FSS ratings: [1, 0, 1, 1, 0, 1, 0]?



The functional impact is Low, with minimal interference in daily activities.

U Compare a total FSS score of 22 to the standard norms.



A score of 22 is significantly above average compared to the healthy population norm.

Frequently Asked Questions

01 What is the Fatigue Severity Scale (FSS)?

It is a clinical tool used to measure the severity of fatigue and its impact on daily life.

02 How do I use this MCP with my AI client?

You connect your client, like Claude or Cursor, to Vinkius, and then you can call the tools directly through your agent.

03 Can this MCP compare my results to healthy people?

Yes, the `compare_to_norms` tool benchmarks your results against standard healthy population data.

04 Does this tool provide medical advice?

The tool provides clinical recommendations based on the calculated severity and impact levels.

05 What kind of data does the calculate_fss_score tool need?

It requires the raw numerical responses from the FSS questionnaire.

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>"fatigue-severity-scorer": { "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

Fatigue Severity Scorer 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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