

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

Fertility Window Predictor MCP

Track reproductive cycles and ovulation timing with precision.

Fertility Window Predictor MCP gives your AI client the biological math needed to track reproductive health. It calculates fertile windows, estimates ovulation, and analyzes cycle stability by looking at your historical data. You can use it to get specific probability scores for certain dates or a quick status update on your current cycle.

A+ Quality Score 100/100

fertility

ovulation

menstrual-cycle

reproductive-health

biology



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.

Fertility Window Predictor MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to turn your AI agent into a specialized reproductive health tracker. Instead of manually calculating dates, you let your AI handle the biological math. It looks at your cycle length and regularity to figure out when you are most fertile. You can ask your agent for a high-level summary of where you are in your current cycle or dive into the details to find your peak fertility day. It also helps you see if your cycles are staying consistent by comparing your current data against your history. Whether you are trying to plan for pregnancy or just want to understand your body better, this MCP provides the specific data points you need through simple, direct questions.

Core Capabilities

01 — Ovulation Estimation

Your agent uses biological math to predict when ovulation will occur.

02 — Fertility Window Calculation

The AI identifies the specific days you are most fertile.

03 — Cycle Stability Analysis

Your agent compares current data to past cycles to check for regularity.

04 — Probability Scoring

The AI calculates the likelihood of conception for specific dates.

05 — Status Summaries

Your agent provides quick updates on your current cycle day and upcoming milestones.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/fertility-window-predictor — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred AI client via Vinkius.
- 02 Provide your cycle history and current data to your agent.
- 03 Ask your agent questions about your fertility or cycle status.
- 04 The agent uses the specific tools to calculate and return your data.

Connecting this MCP to your AI client gives your agent immediate access to reproductive math tools.

Built For

People tracking reproductive health can use this to automate their cycle math. It works best for those who want to use an AI agent to manage their personal health data.

Health Trackers

Users who want to hand off cycle math to an AI agent.

Family Planners

Individuals using AI to identify peak fertility days for conception.

What Changes When You Connect

- 01 Automates biological calculations for reproductive milestones.
- 02 Provides specific probability scores for conception dates.
- 03 Tracks cycle regularity through historical comparisons.

04 Delivers quick status updates on current cycle progress.

Real-World Applications

Conception Planning

Ask your agent for the specific dates with the highest conception probability.

Regularity Checks

Use the comparison tool to see if your current cycle deviates from your norm.

Cycle Monitoring

Get a daily summary of where you stand in your current cycle.

Fertile Window Alerts

Have your agent predict your next window so you can prepare.

4 Tools Available

#	TOOL	DESCRIPTION
01	compare_cycles	This tool evaluates how stable your cycles are by comparing your current cycle length to your historical data.
02	get_conception_probability	This tool provides a specific probability score for any given date within your cycle.
03	get_cycle_summary	This tool gives you a high-level overview of your current cycle status and upcoming milestones.
04	predict_fertility_window	This tool calculates your complete fertile window and related reproductive milestones.

See It in Action

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

U When is my next fertile window?



Your next fertile window is estimated to be from October 12th to October 17th, with your peak fertility day on October 15th.

U What is my conception probability for October 15th?



The probability for October 15th is 0.95, which is your peak fertility day.

U Give me a summary of my current cycle.



You are currently on day 14 of your cycle. Your estimated ovulation is in 2 days, and your next period is expected in 12 days.

Frequently Asked Questions

01 How does this MCP calculate my fertile window?

It uses your cycle length and regularity to run biological calculations that identify your fertile days and ovulation timing.

02 Can I use this with Claude or Cursor?

Yes, you can connect this MCP to any MCP-compatible client like Claude, Cursor, or Windsurf.

03 Does it tell me my conception probability?

Yes, the tool can provide a specific probability score for any date you specify within your cycle.

04 Can it help me see if my cycles are regular?

Yes, it has a tool specifically designed to compare your current cycle to your historical data to evaluate stability.

05 Do I need to host this myself?

No, Vinkius hosts and manages the MCP for you, so it is ready to use as soon as you connect it.

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>"fertility-window-predictor": { "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

Fertility Window Predictor 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	<code>https://edge.vinkius.com/{token}/mcp</code>

LICENSE & USAGE

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