

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

Ovulation Fertile Window Calculator MCP for AI Agents

Track your menstrual cycle and find your peak fertility dates with accuracy.

Ovulation Fertile Window Calculator MCP. This tool helps you predict ovulation dates and identify peak fertility windows based on your personal cycle history. It handles standard cycle tracking, provides specific bounds for fertile days, and calculates safety ranges for irregular cycles. It's built for anyone looking to turn raw cycle data into actionable reproductive health insights.

B Quality Score 85/100

ovulation

fertility

menstrual-cycle

period-tracker

health-tech

reproductive-health



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.

Ovulation Fertile Window Calculator MCP

0 tools available

Cloud-hosted on Vinkius

Most people have to juggle multiple apps or try to do the math in their heads. You have to remember your last period, count the days, and try to guess when your fertile window hits. It's easy to lose track or get the numbers wrong, especially if your cycle isn't perfectly consistent every month. This MCP changes that by letting your AI client handle the math for you. Instead of manually calculating every phase, you can just give your agent your history and it spits out the dates you need. You get a clear picture of your reproductive health without the mental load of manual tracking or the frustration of unreliable data. By including it in the Vinkius catalog, you give your AI the ability to act as a personal health tracker that understands the nuance of your body's rhythm. It handles the heavy lifting of cycle math, including the tricky parts of luteal phase estimation and irregular window calculation. This means you can stop worrying about whether you're missing a key window or if your next period is just around the corner. It turns raw data into a reliable plan, so you can focus on what matters most to you without the constant guesswork.

Core Capabilities

01 — Predict next period dates

The AI calculates your next period start date based on your average cycle history.

02 — Identify peak fertility windows

Get the exact start and end dates for your most fertile days.

03 — Estimate ranges for irregular cycles

The tool provides a wider safety window for cycles that vary in length.

04 — Calculate specific ovulation days

Find the estimated day of ovulation based on your specific cycle data.

05 — Map out luteal phase lengths

Get a better understanding of your body's rhythm by estimating luteal phase duration.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/ovulation-fertile-window-calculator — connect your AI agent in three steps.

- 01 Provide your AI client with your last period date and average cycle length.
- 02 Request a specific prediction like a fertile window or next ovulation date.
- 03 Get a clear date range or specific day back for your planning.

The bottom line is you get accurate reproductive health predictions based on your unique cycle history.

Built For

This is for anyone who wants to move beyond generic cycle estimates. It's for people who need precise dates for fertility planning or who want a clearer understanding of their reproductive health without doing the math themselves.

Fertility Planning Parent

Uses the MCP to find the best days to try for a baby based on their personal history.

Health Tracker

Tracks their body's rhythm to understand health patterns and cycle consistency.

Reproductive Health Advocate

Manages health conditions that require accurate cycle awareness and data.

What Changes When You Connect

- 01 Get clear ovulation dates without manual math. Use `predict_standard_cycle` to see exactly when your next period is due based on your history.
- 02 Identify your best days for conception. `calculate_fertile_window_bounds` gives you a specific start and end date for peak fertility.

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- 03 Plan with confidence even with irregular cycles.
`estimate_irregular_window_range` creates a safety buffer for when your cycle length fluctuates.

 - 04 Stop guessing your luteal phase. The tool uses your average history to provide more reliable biological predictions.

 - 05 Organize your reproductive health data. Your AI client can pull these dates into a summary for your monthly planning.
-

Real-World Applications

Planning for a new baby

A couple wants to know the best days to try for a baby. They ask about their fertile window using ``calculate_fertile_window_bounds`` based on a past ovulation date.

Predicting the next period

A user wants to know how many days until their next period. They provide their last start date and average cycle length to ``predict_standard_cycle``.

Managing irregular cycles

Someone with irregular cycles needs a safer range. They provide a list of recent cycle lengths to get a wider window using ``estimate_irregular_window_range``.

Monthly health mapping

A health-conscious individual wants to map out their upcoming month. They ask for a full list of predicted dates for their cycle.

Patterns to Avoid

Trying to guess dates manually

✗ AVOID

Saying 'I think I'm fertile today' based on a rough guess.

✓ INSTEAD

Use ``calculate_fertile_window_bounds`` to get the actual start and end dates based on your data.

Using a single date for irregular cycles

X AVOID

Assuming your cycle is always 28 days when it often varies.

✓ INSTEAD

Use ``estimate_irregular_window_range`` to account for the variation in your recent history.

Forgetting the luteal phase

X AVOID

Only asking for the ovulation day without considering the full cycle.

✓ INSTEAD

Use ``predict_standard_cycle`` which factors in your average luteal phase for better accuracy.

The Right Fit

Use this if you need precise dates for fertility planning, cycle tracking, or understanding your reproductive health. It's great for people who want to move beyond average estimates and get data based on their actual history. Don't use it if you're looking for medical advice or contraception. This tool provides biological predictions, not medical prescriptions. If you just want a simple calendar with reminders, a basic period tracking app might be enough. Use this when you want your AI to do the heavy lifting of calculating complex biological windows.

Ovulation Fertile Window Calculator for accurate fertility tracking

Most people have to juggle multiple apps or try to do the math in their heads. You have to remember your last period, count the days, and try to guess when your fertile window hits. It's easy to lose track or get the numbers wrong, especially if your cycle isn't perfectly consistent every month.

This MCP changes that by letting your AI client handle the math for you. Instead of manually calculating every phase, you can just give your agent your history and it spits out the dates you need. You get a clear picture of your reproductive health without the mental load of manual tracking or the frustration of unreliable data.

Ovulation Fertile Window Calculator for irregular cycle predictions

When your cycle length varies, most trackers give you a generic maybe window. You end up guessing whether today is a good day or if you should wait a few more days.

This tool removes the guesswork by looking at your actual history. It creates a safety range that accounts for your body's unique patterns, giving you a reliable plan you can actually trust.

See It in Action

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

U My last period started on 2024-05-01 and my cycle is 28 days. When is my next ovulation?



Based on your 28-day cycle, your next ovulation is estimated for **May 23, 2024**. Your next period is expected to begin on **May 29, 2024**.

U Calculate the fertile window for an ovulation date of 2024-06-15.



For an ovulation date of June 15, your fertile window is:

- **Opens:** June 10
- **Closes:** June 16

This covers your peak fertility period.

U My recent cycles are 28, 30, 27, 32, 29, and 31 days. When is my next fertile window?



Since your cycles vary, here is your safest fertile window:

May 22 to June 3

This range accounts for the fluctuations in your recent history.

Frequently Asked Questions

01 How does the Ovulation Fertile Window Calculator help with fertility?

It identifies your peak fertility dates so you know the best time to try for a baby.

02 Can I use the Ovulation Fertile Window Calculator for irregular cycles?

Yes, it provides a wider safety range based on your past cycle history to account for variation.

03 Will the Ovulation Fertile Window Calculator tell me my next period?

It calculates your next period date based on your average cycle length and luteal phase.

04 Is the Ovulation Fertile Window Calculator accurate for everyone?

It uses your specific data to provide biological predictions, making it more tailored than a generic app.

05 How do I get my fertile window with the Ovulation Fertile Window Calculator?

Just tell your AI client your ovulation date or your cycle history, and it will calculate the bounds for you.

06 How accurate are the predictions?

Predictions are based on your provided cycle and luteal phase data. Accuracy improves when using recent history with ``estimate_irregular_window_range``. Tools available: ``your_tool_name``.

07 Can I use this for irregular cycles?

Yes, the ``estimate_irregular_window_range`` tool is specifically designed to calculate a wider window based on your last 6 cycle lengths.

08 What inputs are required?

You need the start date of your last period and your average cycle length.

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>"ovulation-fertile-window-calculator": { "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

Ovulation Fertile Window Calculator 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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Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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