

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

Due Date Calculator MCP

Get accurate obstetric estimates using Naegele's rule.

Due Date Calculator MCP provides precise obstetric calculations based on the Last Menstrual Period and cycle length. It uses Naegele's rule with cycle length adjustments to give you reliable estimates for due dates, trimester boundaries, and developmental milestones. Your AI client can use these tools to track pregnancy progress and physiological stages instantly.

A+ Quality Score 100/100

pregnancy

obstetrics

health-tracking

due-date

medical-tools



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.

Due Date Calculator MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to handle complex obstetric math without manual calculations. By providing the Last Menstrual Period (LMP) and specific cycle length, your AI client calculates estimated due dates using Naegele's rule. It accounts for cycle variations to ensure the estimates stay as accurate as possible. You can ask your agent to break down exactly which trimester a person is in or identify specific physiological milestones expected at certain weeks. It also provides a granular look at gestational progress, including the percentage of pregnancy completed. This is a direct way to turn raw menstrual data into actionable obstetric insights through your preferred AI interface.

Core Capabilities

01 — Due Date Estimation

Your agent calculates the estimated date of delivery using Naegele's rule.

02 — Trimester Tracking

The AI identifies the specific dates for the start and end of each trimester.

03 — Milestone Identification

Your client retrieves expected physiological and developmental events.

04 — Progress Analysis

The MCP provides a percentage completion metric for the current pregnancy.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/due-date-calculator — connect your AI agent in three steps.

- 01 Connect your AI client to Vinkius.
- 02 Provide the Last Menstrual Period and cycle length to your agent.
- 03 The agent invokes the necessary tool from the MCP.
- 04 You receive precise dates, milestones, or progress details.

Connecting to this MCP gives your AI client immediate access to obstetric calculation tools.

Built For

This MCP is built for professionals and individuals needing reliable obstetric math via an AI interface.

Health Tech Developers

They use the tool to power pregnancy tracking logic within their own AI-driven applications.

Medical Assistants

They hand off the calculation of due dates and milestones to their AI client to save time.

Personal Health Trackers

They use the MCP to get instant updates on their own pregnancy progress and milestones.

What Changes When You Connect

- 01 Uses Naegele's rule with cycle length adjustments for accuracy.
- 02 Provides percentage-based progress tracking.
- 03 Eliminates manual math for trimester and milestone calculations.

Real-World Applications

Pregnancy Planning

Calculate an estimated due date based on a known last menstrual period.

Trimester Management

Determine exactly when a user will transition from one trimester to the next.

Developmental Tracking

Check which physiological milestones are expected during a specific week.

Progress Monitoring

Get a detailed percentage of how much of the pregnancy has been completed.

4 Tools Available

#	TOOL	DESCRIPTION
01	get_due_date_summary	This tool provides a quick overview of pregnancy status, including the estimated due date and current progress.
02	get_gestational_progress_detail	This tool gives a granular breakdown of gestational age and the percentage of the pregnancy that is complete.
03	get_pregnancy_milestones	This tool identifies key physiological and developmental milestones expected during the pregnancy.
04	get_trimester_boundaries	This tool calculates the specific start and end dates for each of the three pregnancy trimesters.

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 due date if my last period was on 2024-01-01 and my cycle is 28 days?



Your estimated due date is 2024-10-08.

U What trimester am I in if my LMP was 2024-03-15 and my cycle is 30 days?



You are currently in your Second Trimester.

U Show me my pregnancy milestones for an LMP of 2024-05-10 and a 28-day cycle.



Key milestones include heartbeat detection around week 6 and major organ development around week 10.

Frequently Asked Questions

01 How does this MCP calculate due dates?

It uses Naegele's rule and incorporates adjustments based on the user's specific cycle length.

02 Which AI clients can use this MCP?

You can use this with any MCP-compatible client like Claude, Cursor, Windsurf, or VS Code.

03 Can I get specific milestones for a pregnancy?

Yes, the tool provides key physiological and developmental milestones expected during the pregnancy.

04 Does it account for different cycle lengths?

Yes, the calculations use the cycle length provided to adjust the estimates.

05 Can I see my trimester boundaries?

Yes, the MCP can identify the start and end dates for all three trimesters.

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>"due-date-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

Due Date 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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DOCUMENT INFORMATION

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

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