

MCP SERVER

NO CODE

CLOUD HOSTED

Pregnancy Week-by-Week Calculator MCP for AI Agents

Tracking Fetal Development and Maternal Health Milestones

Pregnancy Week-by-Week Calculator tracks your entire pregnancy journey. Your AI client can determine current gestational status and due dates using last menstrual period data. It also provides detailed weekly updates, comparing fetal size to common objects like fruits or vegetables, and outlining key symptoms for each trimester.

A+ Quality Score 100/100

pregnancy-tracker

fetal-development

maternity

health-monitor

baby-milestones



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.

Pregnancy Week-by-Week Calculator MCP

3 tools available

Cloud-hosted on Vinkius

This MCP connects your AI agent directly to essential obstetric health data. Instead of cross-referencing multiple websites or keeping physical journals, you ask your agent questions about your pregnancy—and get immediate answers. You can determine exactly how far along you are, what milestones are next, and when full term is expected. It also gives detailed weekly updates, comparing fetal growth to common fruits or vegetables for easy visualization. Need to know what's typical during the second trimester? You just ask. Everything from first-trimester fatigue to third-trimester changes is compiled instantly. With Vinkius managing this catalog, you connect once and get access to all this critical pregnancy tracking data through your preferred AI client.

Core Capabilities

01 — Determine Current Pregnancy Status

Calculate the current gestational week, day count, and projected due date based on initial dates.

02 — Review Developmental Milestones

Retrieve detailed weekly updates, including specific biological changes and size comparisons for the developing baby.

03 — Understand Trimester Symptoms

Get reliable information on common physical and emotional symptoms expected during the first, second, or third trimesters.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/pregnancy-week-by-week-calculator — connect your AI agent in three steps.

- 01** Start by telling your agent key dates, like your last menstrual period date. The MCP uses this initial data to calculate where you are in your pregnancy.
- 02** You can then request specific information, asking for the developmental milestones of a particular week or seeking details on symptoms for a chosen trimester.
- 03** Your AI client processes these inputs and returns structured, easy-to-read updates detailing current status, growth metrics, and expected physical changes.

The bottom line is that you get accurate, medically relevant pregnancy data delivered instantly by your agent without having to manually research multiple sources.

Built For

This MCP is essential for expectant parents, family members, and students studying obstetrics. If you need a single source of truth about fetal development and maternal health markers, this tool saves hours of tedious manual research.

Expecting Parent

Uses the MCP to track progress against expected milestones, checking developmental details for specific weeks or understanding common symptoms in their current trimester.

Family Member/Support Person

Asks the AI agent for general information about fetal development at various stages, helping them understand what's happening to the baby and the mother.

Student of Health Sciences

Requires specific, verifiable data points on gestational periods, common symptoms by trimester, or developmental size metrics for coursework or study review.

What Changes When You Connect

-
- 01** Instantly determine your due date and current gestational status using the `calculate_pregnancy_status` tool, eliminating manual calendar math.

 - 02** Visualize fetal growth by accessing weekly development data that compares baby's size to common fruits or vegetables with `get_weekly_development_data`.

 - 03** Get clear symptom guides for each phase of pregnancy; `get_trimester_information` details what you might expect during the first, second, or third trimester.

 - 04** Never forget a crucial milestone. The MCP provides comprehensive updates on viability and full-term readiness in one place.

 - 05** Save time by having your AI client process complex medical data points, giving you actionable insights instead of raw text blocks.
-

Real-World Applications

Figuring out my due date after a period change

You ask your agent: 'My cycle started on March 15th. How far along am I and when is the estimated due date?' The agent uses ``calculate_pregnancy_status`` to give you precise week counts, including confirmation of viability milestones.

Understanding common symptoms in my second trimester

You ask: 'What should I be prepared for during my second trimester?' The agent uses ``get_trimester_information`` and provides a clear, bulleted list of typical physical changes, like increased energy or skin changes.

Comparing my baby's growth to a real object

You want to know what development looks like at 24 weeks. The agent uses ``get_weekly_development_data`` and tells you the baby is roughly the size of a large melon, detailing key organ developments for that week.

Quickly reviewing all three trimesters' symptoms

You need an overview for your partner. The agent uses ``get_trimester_information`` to generate a comparison table showing the distinct common symptoms—from nausea in the first trimester to preparing for labor in the third.

Patterns to Avoid

Relying on vague internet summaries

✗ AVOID

Reading generic blog posts that mix up symptom timelines or give wildly inaccurate growth estimates based only on anecdotal evidence.

✓ INSTEAD

Use the MCP to check precise data. To determine your status, use ``calculate_pregnancy_status``. For accurate weekly details, always rely on ``get_weekly_development_data``.

Confusing developmental stages

✗ AVOID

Assuming a baby's size based only on weight or general feelings without understanding the actual biological milestones achieved at that specific week.

✓ INSTEAD

Use ``get_weekly_development_data`` to get detailed, medically backed information, including key organ development and size comparisons.

Ignoring symptom differences by trimester

✗ AVOID

Thinking morning sickness is constant throughout the pregnancy. Symptoms change dramatically between trimesters.

✓ INSTEAD

To understand what's normal for your stage, use ``get_trimester_information`` to get symptoms specific to the First, Second, or Third Trimester.

The Right Fit

Use this MCP if you need verifiable, structured data about fetal development and maternal health that changes week by week. This is for tracking progress against established milestones.

Don't use it if your question is purely conceptual or requires personalized medical diagnosis—always consult a doctor. If you just need to know general wellness tips unrelated to gestation (like diet advice), this MCP won't help. Instead, look for a dedicated health guidance tool. This MCP excels at providing the 'what and when,' using tools like `calculate_pregnancy_status` and `get_weekly_development_data`. It is your go-to resource for factual obstetrical tracking.

Pregnancy Week-by-Week Calculator: Tracking Fetal Development Milestones

Before this MCP, checking on pregnancy progress meant juggling multiple sources. You'd look up due dates on one site, developmental stages on another, and symptom guides required a third search. This was slow, scattered data that often felt overwhelming.

Now, you ask your agent to summarize the next steps for week 28. The MCP pulls together everything—the calculated status using `calculate_pregnancy_status`, the specific development details from the baby's size and organ growth via `get_weekly_development_data`, and even a reminder of common physical changes expected at that time. You get one comprehensive, immediate answer.

Pregnancy Week-by-Week Calculator: Understanding Trimester Symptoms

Manual tracking often fails to distinguish between normal, temporary symptoms and something more serious. People tend to confuse first-trimester

With this MCP, you can ask your agent directly for the specific symptom profile of a given period. Using `get_trimester_information`, you get clear

fatigue with third-trimester discomfort, leading to confusion about what's medically typical.

distinctions between the symptoms unique to each trimester—a definitive guide that prevents unnecessary worry.

Pregnancy Week-by-Week Calculator: 3 Obstetric Data Tools for Fetal Development

Use these three tools to calculate gestational status, review weekly development metrics, and get precise information on trimester symptoms.

#	TOOL	DESCRIPTION
01	<code>calculate_pregnancy_status</code>	Calculates your current pregnancy status, including the specific week, day count, and upcoming major milestones.
02	<code>get_trimester_information</code>	Provides a list of common physical and emotional symptoms associated with a specified trimester (First, Second, or Third).
03	<code>get_weekly_development_data</code>	Retrieves detailed developmental milestones for any given week, often including size comparisons to everyday objects.

See It in Action

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

U I started my last period on 2024-03-15. What is my current status and due date?



Pregnancy Status Report

- **Current Week:** 28 weeks, 3 days
- **Estimated Due Date (EDD):** November 27th, 2024
- **Milestone Check:** You are currently in the Third Trimester. Viability is high, and full-term development continues rapidly.

U What's my baby like at week 18? Give me fun comparisons.



Week 18 Development Update

- **Size Comparison:** Roughly the size of a large sweet potato.
- **Key Milestones:** The auditory nerves are developing, allowing them to hear sounds. Movement is becoming more noticeable.
- **Biological Note:** Skin pigmentation is forming in anticipation of life outside the womb.

U List common symptoms for all three trimesters so I can compare.



Trimester Symptom Guide

TRIMESTER	COMMON SYMPTOMS	FOCUS AREA
First (Weeks 1-12)	Nausea, extreme fatigue, breast tenderness.	Establishing systems and initial physical changes.
Second (Weeks 13-27)	Energy returning, 'quickness' feeling, skin changes.	Growth acceleration and noticeable movement.
Third (Weeks 28-40+)	Braxton Hicks contractions, swelling, urge to push.	Maturation and preparation for labor.

Frequently Asked Questions

01 How does the Pregnancy Week-by-Week Calculator help me track my due date?

It calculates your estimated due date using standard obstetric guidelines based on when you entered your initial cycle dates. This gives you a reliable range and tracks viability milestones as you get closer to full term.

02 What kind of developmental details can I get from the Pregnancy Week-by-Week Calculator?

You receive detailed weekly reports that cover both biological changes (like organ development) and easy size comparisons. It's helpful for visualizing how quickly your baby is growing.

03 Can this tool tell me the difference between trimester symptoms?

Yes, it provides distinct symptom profiles for the first, second, and third trimesters. This helps you understand what's considered normal for your current stage of pregnancy.

04 Is the information from the Pregnancy Week-by-Week Calculator reliable?

The MCP pulls data from established obstetric guidelines to provide scientifically backed milestones and status updates. Always discuss these results with your healthcare provider, though.

05 Does this MCP help me if I'm trying to figure out my current week count?







Absolutely. You can input key dates, and the system calculates your precise gestational status, letting you know exactly which trimester you fall into right now.

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>"pregnancy-week-by-week-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

Pregnancy Week-by-Week 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](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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LICENSE & USAGE

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