

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

Developmental Milestone Tracker MCP

Monitor child growth against standardized developmental norms.

Developmental Milestone Tracker MCP gives your AI client the ability to track pediatric progress. It handles adjusted age calculations for premature infants and compares specific milestones against established standards across motor, language, and social domains.

A+ Quality Score 100/100

child-development

milestones

pediatrics

preemie

health-tracking



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.

Developmental Milestone Tracker MCP

4 tools available

Cloud-hosted on Vinkius

You can use this MCP to keep a precise record of a child's developmental journey. It is built to handle the complexities of pediatric tracking, such as calculating adjusted age for infants born prematurely. Instead of manually checking charts, you can ask your AI client to compare a child's current achievements against standardized norms to identify potential delays or strengths.

Your agent can pull a full list of expected milestones for specific age ranges or check if a child is on track for upcoming developmental goals. It also includes a way to verify that a set of recorded milestones is logically consistent with the child's age. This makes it a reliable tool for anyone needing to cross-reference real-world progress with clinical expectations in a fast, conversational way.

Core Capabilities

01 — Adjusted Age Calculation

Your agent calculates corrected age for premature infants to ensure milestone comparisons are accurate.

02 — Milestone Comparison

The AI compares a child's specific achievements against standardized developmental norms.

03 — Domain-Specific Lookups

Your client can query specific milestone lists for motor, language, or social domains.

04 — Data Validation

The tool checks if a child's recorded milestones align logically with their age.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/developmental-milestone-tracker — connect your AI agent in three steps.

- 01 Connect the MCP to your preferred client like Claude or Cursor via Vinkius.
- 02 Provide the child's age and birth details to your AI client.
- 03 The AI uses the MCP tools to calculate adjusted age or check milestones.
- 04 Receive a detailed report or specific milestone lists in your chat interface.

Connect the MCP to your client and start asking questions about developmental progress.

Built For

This MCP is designed for professionals and caregivers who need to track pediatric growth against clinical standards.

Pediatric Specialists

Use the AI to quickly cross-reference patient milestones with standardized charts.

Early Interventionists

Hand off raw developmental data to the AI to generate quick status profiles.

Caregivers

Ask your AI client to check if a child's progress matches expected age ranges.

What Changes When You Connect

- 01 Calculates adjusted age for preemies automatically.
- 02 Identifies potential developmental delays through norm comparison.
- 03 Provides instant access to standardized milestone catalogs.

04 Validates the consistency of recorded developmental data.

Real-World Applications

Premie Progress Tracking

Calculate a premature infant's adjusted age to see if they are meeting milestones relative to their corrected age.

Milestone Planning

Identify which skills a child should focus on next based on their current age.

Developmental Screening

Use the profile tool to get a summary of a child's strengths and areas needing attention.

Data Integrity Checks

Verify that a list of recorded milestones makes sense for the child's age group.

4 Tools Available

#	TOOL	DESCRIPTION
01	check_milestone_readiness	This tool tells your AI which specific milestones a child should be working toward based on their current age.
02	get_developmental_profile	Use this to get a full overview of a child's current developmental standing, including strengths and potential delays.
03	list_milestone_norms	This tool provides a reference list of all standard milestones and their expected age ranges across different domains.
04	validate_milestone_data	This tool checks if a list of achieved milestones is logically consistent with the child's age.

See It in Action

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

U My child is 12 months old, was born at 34 weeks, and the due date was 40 weeks. They have achieved milestones: 'm1', 'm2'. What is their developmental status?



The child's adjusted age is 6 months. Based on the achieved milestones, the developmental age is 6 months. Strengths include Gross Motor skills, while there is a potential delay in Language.

U What milestones should a 6-month-old be working toward?



At 6 months, upcoming milestones include rolling from tummy to back and responding to their own name.

U List all milestones in the Fine Motor domain.



The Fine Motor domain includes: grasping objects, transferring items between hands, and reaching for toys.

Frequently Asked Questions

01 How does this MCP handle premature babies?

It calculates an adjusted age for premature infants, allowing for more accurate milestone comparisons.

02 What kind of developmental domains are covered?

The MCP includes milestones across motor, language, and social domains.

03 Can I use this with Claude or Cursor?

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

04 Does it provide specific advice for delays?

The `get_developmental_profile` tool provides screening advice and identifies potential delays based on the data provided.

05 How do I see the standard milestone lists?

You can use the `list_milestone_norms` tool to view the full catalog of expected milestones and age ranges.

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>"developmental-milestone-tracker": { "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

Developmental Milestone Tracker 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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