

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

BMI Calculator MCP for health metrics.

Get instant body mass index and weight range data.

BMI Calculator provides your AI client with the ability to perform clinical weight analysis and body mass index calculations. It handles unit conversions and calculates how close you are to a healthy weight range. You can use it within any MCP-compatible client like Claude or Cursor to get immediate health data without manual math.

A+ Quality Score 100/100

bmi

health

weight

fitness

metrics



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.

BMI Calculator MCP

4 tools available

Cloud-hosted on Vinkius

This MCP gives your agent the math it needs to handle body mass index and weight health analysis. Instead of you manually calculating ratios, your AI client uses the tools here to provide instant results. You can find your specific BMI category, identify your target weight spectrum, or see exactly how many kilograms you are from a healthy range. It also takes the headache out of unit math by converting imperial measurements to metric. Whether you are tracking fitness progress or analyzing health data, this MCP turns your agent into a precise health metric tool.

Core Capabilities

01 — BMI Calculation

Your agent calculates your BMI and identifies your weight category.

02 — Weight Range Identification

The AI finds the healthy weight spectrum for any given height.

03 — Proximity Analysis

Your agent determines the exact weight difference between current and target values.

04 — Unit Conversion

The AI converts imperial measurements to metric for easier processing.

One Click on Vinkius — From Prompt to Execution

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

- 01 Connect the BMI Calculator MCP to your AI client via Vinkius.
- 02 Provide your height and weight to the agent.
- 03 The agent uses the specific tools to perform the math.
- 04 You receive the BMI, weight range, or proximity results immediately.

Connect the MCP to your client and start asking health questions.

Built For

This MCP is for anyone needing quick, accurate weight and BMI data through an AI interface.

Fitness Coaches

They hand off client weight data to the AI to get instant health metrics.

Health Researchers

They use the agent to process weight ranges and BMI categories quickly.

Personal Trainers

They use the tool to track how close clients are to their target weight goals.

What Changes When You Connect

- 01 Removes manual BMI math from your workflow.
- 02 Converts imperial measurements to metric automatically.
- 03 Provides clear weight proximity data.
- 04 Identifies healthy weight targets instantly.

Real-World Applications

Fitness Tracking

An agent calculates how much weight a user needs to lose to reach a healthy BMI.

Goal Setting

Users ask the agent for their healthy weight range to set realistic targets.

Health Data Processing

The AI converts imperial height and weight data into metric for standard analysis.

Quick BMI Checks

A user provides height and weight to get an immediate BMI category.

4 Tools Available

#	TOOL	DESCRIPTION
01	calculate_bmi	This tool calculates your Body Mass Index based on height and weight. It returns your specific BMI value and category.
02	calculate_weight_proximity	Use this to find the distance between your current weight and a healthy range. It tells you exactly how much you are above or below your target.
03	convert_imperial_to_metric	This tool handles the math for converting pounds and feet or inches into metric units. It makes it easy to use imperial data with metric calculations.
04	get_healthy_weight_range	This tool identifies the target weight spectrum for a specific height. It provides the minimum and maximum weight for a healthy BMI.

See It in Action

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

U What is my BMI if I weigh 70kg and am 175cm tall?



Your BMI is 22.86, which falls into the Normal weight category.

U I am 180cm tall. What is my healthy weight range?



For a height of 180cm, your healthy weight range is between 60.0kg and 81.0kg.

U I weigh 95kg and am 175cm tall. How far am I from my healthy weight range?



You are 14.0kg above your healthy weight range.

Frequently Asked Questions

01 How do I use this BMI MCP in Claude?

You connect the MCP through the Vinkius platform. Once connected, your agent in Claude can use the tools to calculate BMI and weight ranges.

02 Can I use imperial measurements?

Yes. The MCP includes a tool to convert imperial measurements to metric, so your agent can handle pounds and feet/inches easily.

03 What kind of weight data can the AI provide?

The AI can provide your BMI, your healthy weight range, and how far you are from that range.

04 Do I need to host this myself?

No. Vinkius hosts and manages the MCP for you. You just connect your client and start working.

05 Is this for medical diagnosis?

This MCP provides BMI and weight metrics for informational use based on the tools provided.

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>"bmi-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

BMI 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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MCP Server	BMI Calculator MCP
Server ID	01a0b4cf-374b-71da-bdc7-bfaa7505c3e9
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

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