YesGov

GOVERNMENT DOMAIN SECURITY REPORT

hcpl.org

Henderson County Public Library District, Kentucky

Checked July 15, 2026 at 9:03 AM UTC · Check ID 1f26141b-bbb6-4068-95ea-7df6fe8d05c8

C+

9 of 16 checks passed **Needs attention**

The basics are in place, but several standard protections are missing. The list below is in order of risk to residents.



9 passed 7 missing

Website	Email	DNS and domain
6 of 8	1 of 5	2 of 3

Not on a .gov domain

hcpl.org is not a .gov address. Anyone can register a look-alike .com or .org, so residents cannot tell from the address alone that this is the official site.

CISA and DHS advise that .gov is a requirement for secure government, trusted communication and public trust. Every day on a non-.gov address is a day residents can be fooled by an impostor site or email.

What to fix first

In order of risk to residents. Each is a one-time setting that then needs to be watched.

1. **Add a DMARC policy** — HIGH RISK

   Nothing tells receiving servers to reject mail that falsely uses this domain, so fake bills and payment requests in the agency's name are delivered.

   Fixed by: Your email or DNS provider

2. **Turn on DKIM signing** — HIGH RISK

   Outgoing mail is not signed, so receivers cannot confirm it came from the agency, and DMARC cannot be fully enforced.

   Fixed by: Your email provider

3. **Turn on DNSSEC** — HIGH RISK

   DNS answers are not signed. A forged answer can send residents to a fake payment page, or redirect the agency's email, with no visible sign.

   Fixed by: Your DNS host and domain registrar

4 **Require encrypted mail delivery (MTA-STS)** MEDIUM
Mail sent to agency staff can be forced onto an unencrypted connection and read in transit.
Fixed by: Your email or DNS provider

5 **Turn on mail encryption reports (TLS-RPT)** MEDIUM
Nobody is told when encrypted mail delivery to the agency fails or is tampered with.
Fixed by: Your DNS provider

6 **Add a CAA record** MEDIUM
Any certificate authority in the world may issue a certificate for this domain, which makes impersonating the site easier.
Fixed by: Your DNS provider

7 **Publish a security contact (security.txt)** MEDIUM
People who find a security problem have no standard way to tell the agency before it is misused.
Fixed by: Your web host

All results in detail

Every record and value we saw, grouped by area. Written for your IT team, readable by anyone.

Website — 6 of 8 passed

HTTPS certificate PASS

Issued by	**YR2**
Issued to	**hcpl.org**
Expires	**August 30, 2026 (46 days after this check)**
TLS version	**TLSv1.3**

Redirect to HTTPS PASS

HTTPS available	**Yes**
Plain address redirects to HTTPS	**Yes**

HSTS PASS

HSTS header	**Sent**
Max age	**300 seconds**
Includes subdomains	**No**

Certificate trust and match PASS

Trusted chain	**Yes**
Strong public key	**Yes**
Valid signature	**Yes**
Name matches domain	**Yes**

CAA record — MISSING

CAA record	Not found

What this means: Any certificate authority in the world may issue a certificate for this domain, which makes impersonating the site easier.

How to fix: Publish a CAA record naming the authority you use, for example 0 issue "letsencrypt.org". (Your DNS provider)

Framing protection — PASS

X-Frame-Options	SAMEORIGIN

File type protection — PASS

X-Content-Type-Options	nosniff

Security contact (security.txt) — MISSING

/.well-known/security.txt	Not found

What this means: People who find a security problem have no standard way to tell the agency before it is misused.

How to fix: Publish /.well-known/security.txt with a contact address and an expiry date. (Your web host)

Email — 1 of 5 passed

SPF — PASS

Record	`v=spf1 include:spf.protection.outlook.com -all`
Ending	Strict (-all)

DKIM — MISSING

Signing keys	Not found

What this means: Outgoing mail is not signed, so receivers cannot confirm it came from the agency, and DMARC cannot be fully enforced.

How to fix: Turn on DKIM in the mail service (Microsoft 365, Google Workspace and others) and publish the DNS records it gives you. (Your email provider)

DMARC — MISSING

DMARC record	Not found

What this means: Nothing tells receiving servers to reject mail that falsely uses this domain, so fake bills and payment requests in the agency's name are delivered.

How to fix: Publish a TXT record at _dmarc with p=quarantine or p=reject and an address to receive reports. (Your email or DNS provider)

MTA-STS — MISSING

DNS record	Not found
Policy file	Not found
Enforced	No

What this means: Mail sent to agency staff can be forced onto an unencrypted connection and read in transit.

How to fix: Publish an _mta-sts TXT record and a policy file at mta-sts.(domain)/.well-known/mta-sts.txt. (Your email or DNS provider)

TLS-RPT — MISSING

TLS-RPT record	Not found

What this means: Nobody is told when encrypted mail delivery to the agency fails or is tampered with.

How to fix: Publish a TXT record at _smtp._tls with an address to receive reports. (Your DNS provider)

DNS and domain — 2 of 3 passed

DNSSEC — MISSING

Zone signed	No
Result	No DNSSEC records found. DNSSEC may not be enabled for this domain.

What this means: DNS answers are not signed. A forged answer can send residents to a fake payment page, or redirect the agency's email, with no visible sign.

How to fix: Turn on DNSSEC signing at the DNS host, then add the DS record at the registrar. (Your DNS host and domain registrar)

IPv6 — PASS

Website reachable over IPv6	Yes
Website IPv6 addresses	2620:12a:8001::3, 2620:12a:8000::3
Name servers reachable over IPv6	No

RPKI route protection — PASS

Website route signed	Yes
Website route valid	Yes
Name server route valid	Yes

.gov domain — NOT SCORED

Ends in .gov	No

What this means: Anyone can register a look-alike .com or .org, so residents have no way to confirm this is the official site. Every .gov request is verified by CISA.

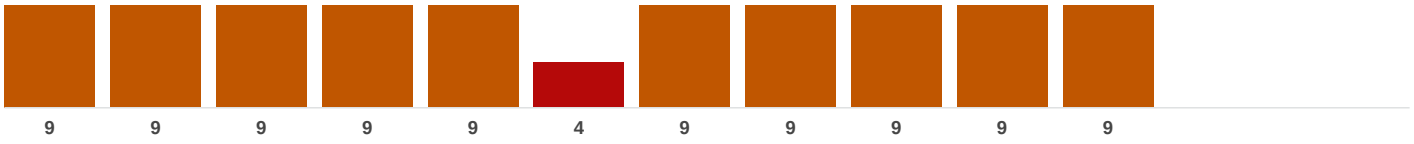
Hosting and platform

Informational, not scored

Website server	23.185.0.3
Mail server	hcpl-org.mail.protection.outlook.com
Website server reputation	Not on abuse lists
Mail server blocklists	Not listed
WordPress	Not detected
Email addresses published on the site	0
Broken links found	0
Referrer policy header	No

Progress over time

Checks passed at each scan, oldest to newest. Highest possible is 16.



If these basics were missed, what else has been missed?

These are published CISA standards that any IT department or provider can check in seconds. YesGov can fix all 7 in under 24 hours, re-run this check to prove it, and keep watching every day. The move to .gov takes 1 to 2 weeks because CISA verifies each request; security fixes on the current domain do not wait for it.

yesgov.com/contact · (888) 777-0017 · info@yesgov.com

How we check

We only check settings that any computer on the internet can see: DNS records, certificates, web headers and mail policies. We never log in to, scan or probe any agency system. The 16 checks build on CISA Binding Operational Directive 18-01 and other published internet standards. Full method: yesgov.com/open-data#how-we-grade.

Verify this report online

Scan the code or visit the address below to see these results, check the domain again and get alerts when anything changes.

https://yesgov.com/check/hcpl--org?check=1f26141b-bbb6-4068-95ea-7df6fe8d05c8

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