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## HL7 FHIR eReferral Workstream



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Added by Tim Berezny • Updated Feb 19, 2019 at 11:22 AM

# Conformance Requirements

## Comments & Events

**John Wills**

Coyote have reviewed the proposed http error codes and are OK with them.

<https://simplifier.net/guide/eReferralOntario/ResponseHandling>

I suggested they not worry about the Operation Outcomes at this point as the core team wrestles with how to apply them, per Tim's comment on slack re 500 not being at the application layer.

I haven't heard back from Excelicare yet but we are actively discussing how to handle errors....

Mar 06, 2019 at 2:43 PM · Notified 1 person

**Tim Berezny, CTO Caredove, Chair FHIR eReferral Specification Working Group**

400 - ok

401 Unauthorized - ok

403 Forbidden - OK. Currently we use this to indicate if this user doesn't have access to the resource OR the resource does not exist.

404 Not found - From a security perspective, it's debatable if 404 AND 403 should be supported simultaneously (see comment on 403), as it exposes some security information (in particular, i might discover that a resource exists which i don't have access to).

405 Method not allowed - this can basically be handled by 403, doesn't really add value.

415 - Unsupported Media type - this can be handled by 400, doesn't really add value

500 - ok

503 - Service Unavailable - ok, this can be handled by 500, but might provide some additional value. I'm neutral.

May want to also consider including 504 Gateway timeout, which most servers will throw automatically anyway.

As far as when to include "Operation Outcome", my view is that all of them should have an operation outcome, with the exception of:

- 500 - Sometimes 500 errors can get thrown by a web server before it even hits a FHIR server, so providing operationOutcome is not always possible. This would be a "Sometimes" operationOutcome is provided.
- 504 - Probably shouldn't expect an operationOutcome

Mar 06, 2019 at 5:17 PM · Notified 1 person



**Smita Kachroo**

I've added 504 in the response handling section of the spec. Please review it and let me know any additional updates are required.

Thanks!

Mar 07, 2019 at 2:25 PM · Notified 2 people



**Tim Berezny**, CTO Caredove, Chair FHIR eReferral Specification Working Group

I think that operation outcome should be available on all of them, and "sometimes" for 500.

Also I think that 503, 415, 405 are overkill, and 404 could be a slight security risk. Worth a discussion...

Mar 07, 2019 at 3:13 PM · Notified 2 people