

# GRDI-AMR New Term Request SOP 1.1

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## Introduction

Data standards are living specifications and according to best practices, should evolve over time in order to be fit-for-purpose. To better harmonize information collected in the Canadian Antimicrobial Resistance Genomics Research and Development Initiative (AMR-GRDI) template, pick lists of ontology-based vocabulary have been provided for many of the fields based on real datasets and user requests. These pick lists reflect data needs at a snapshot in time and will need to be updated periodically and version-controlled.

Versioned templates and associated reference guides and SOPs are available at the GRDI-AMR GitHub repository under a MIT Data Use License (unrestricted use).

While ontology look-up services are available online for users to identify additional terms they would like to use, pilot implementations suggest that unrestricted term additions create variability and uncertainty in the specification, as well as unnecessary burden on curators. As a result, a New Term Request System has been put in place so that users can request new fields and terms which will be processed by the Centre for Infectious Disease Genomics and One Health (CODGOH, Simon Fraser University) curation team on an ongoing basis.

If a desired term cannot be found in a pick list, new terms can be requested by guidelines outlined below. Any question about this process should be directed to Dr. Emma Griffiths at [ega12@sfu.ca](mailto:ega12@sfu.ca).

## Specification Issue Requests

When you would like to request new standardized terms for the AMR-GRDI specification, please use one of the following GitHub templates in the table below. You may need to refer to the [GRDI Master-Reference-Guide](#) to help complete your term requests (e.g., to check a field name or if a picklist item already exists).

For guidance and descriptions of term request annotations, refer to [Appendix - A](#)

If you do not currently have a GitHub account, refer to [Appendix - B](#)

Form Label	Request	Link to Request Form
<b>Specification - Field Change Request</b>	Change request/issue with existing field class	<a href="https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=field+request%2C+NTR&amp;template=specification---change-field-request.md&amp;title=CFR%3A+%5Blist+term+label%28s%29%5D">https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=field+request%2C+NTR&amp;template=specification---change-field-request.md&amp;title=CFR%3A+%5Blist+term+label%28s%29%5D</a>
<b>Specification - Term Change Request</b>	Change request/issue with existing picklist term	<a href="https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=CTR&amp;template=specification---change-term-request.md&amp;title=CTR%3A+%5Blist+term+label%28s%29%5D">https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=CTR&amp;template=specification---change-term-request.md&amp;title=CTR%3A+%5Blist+term+label%28s%29%5D</a>
<b>Specification - New Term Request</b>	1-9 new picklist terms	<a href="https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=&amp;template=specification---new-term-request.md&amp;title=NTR%3A+%5Blist+term+label%28s%29%5D">https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=&amp;template=specification---new-term-request.md&amp;title=NTR%3A+%5Blist+term+label%28s%29%5D</a>
<b>Specification - New Term Request (Bulk)</b> <b>&lt;In-Progress&gt;</b>	>= 10 new picklist terms	<a href="https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=NTR&amp;template=specification---new-term-request--bulk-.md&amp;title=NTR%3A+%5Bbriefly+describe+bulk+term+request%5D">https://github.com/cidgoh/GRDI_AMR_One_Health/issues/new?assignees=&amp;labels=NTR&amp;template=specification---new-term-request--bulk-.md&amp;title=NTR%3A+%5Bbriefly+describe+bulk+term+request%5D</a>

**Specification - Change Field Request**  
An issue template for submitting field change requests.

Get started

**Specification - Change Term Request**  
An issue template for submitting term change requests.

Get started

**Specification - New Term Request (Bulk)**  
For making large batches for term new requests all at once.

Get started

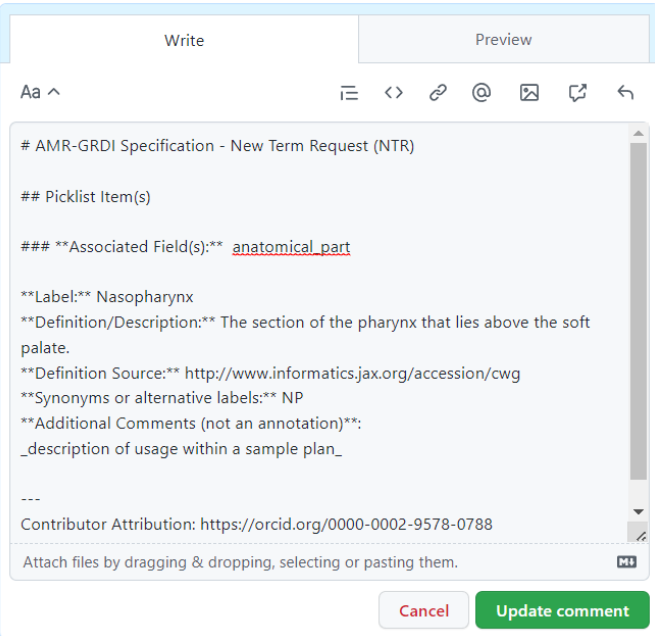
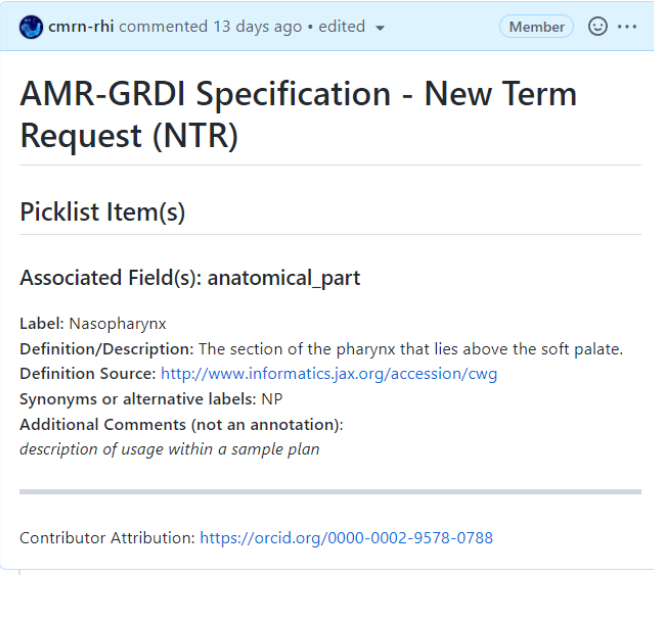
**Specification - New Term Request**  
An issue template for submitting new term requests.

Get started

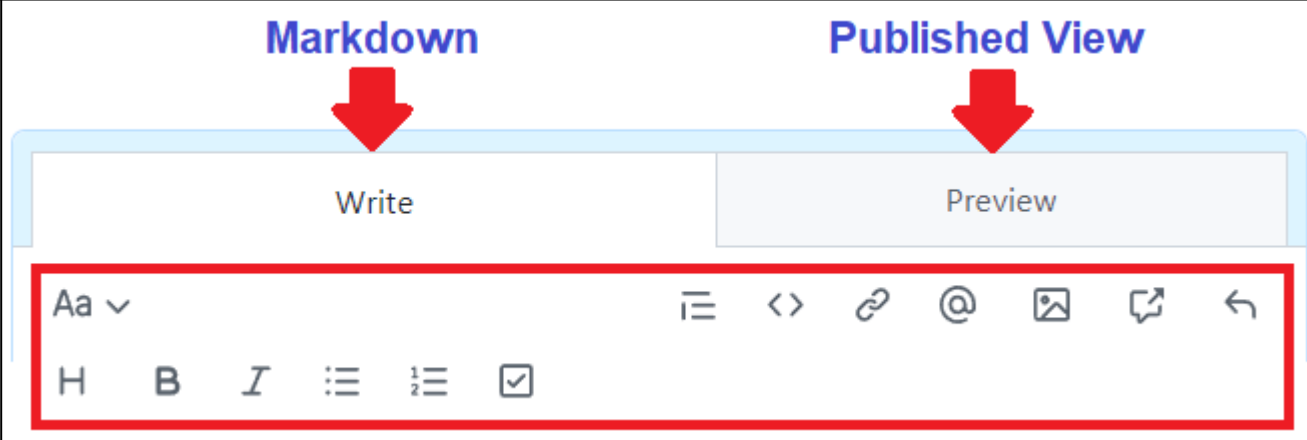
Don't see your issue here? [Open a blank issue.](#)

## GitHub Issue Requests

GitHub shows you your issue request in Markdown, which it then converts to normal text when “published” to the issue thread. You do not need to use markdown in your request.

Markdown View	Published Preview / View
	






If you would like to see a preview of what you are going to publish, you can switch views to “Preview” to see the polished version, and then switch back to “Write” to continue with the Markdown editor.



Red box shows common formatting options that can be applied to selected/highlighted text.

## Field Change Request

An [issue template](#) for submitting field change requests. You can also make new field requests using this template, just indicate so if you do.

Issue Template	Example
<div><div>CFR: [list field label(s)]</div><div><div>Write</div><div>Preview</div></div><div>H B I     </div><div># AMR-GRDI Specification - Change Field Request (CFR) _May request multiple fields at a time if they are related to one another. If this is a request for a new field please indicate so in your request._  ## Picklist Item(s)  Associated Field Category/Tab: {e.g., Host Information} Field:  Definition/Description: Definition Source: Synonyms or alternative labels: Guidance: Additional Comments (not an annotation):  --- Contributor Attribution: {Optional - ORCID is preferred}</div></div>	<p><b>Issue Title:</b> CFR: host (food production name)</p> <hr/> <p><b>Associated Field Category/Tab:</b> Host Information <b>Field:</b> host (food production name)</p> <p><b>Definition:</b> <b>Definition Source:</b> <b>Synonyms or alternative labels:</b> host (food production stage name) <b>Guidance:</b> <b>Additional Comments (not an annotation):</b> Alternative label needed to to match with hit with field name utilized at &lt;insert pretend institution/laboratory here&gt;.</p> <p><b>Contributor Attribution:</b> <a href="https://orcid.org/0000-0002-1825-0097">https://orcid.org/0000-0002-1825-0097</a></p>

*\* Not a real issue request - example just for demonstration.*

# Term Change Request

An [issue template](#) for submitting term change requests.

Issue Template	Example
<div><div>CTR: [list term label(s)]</div><div><div>Write</div><div>Preview</div></div><div><div>H B I        </div><div># AMR-GRDI Specification - Change Term Request (CTR) _May request terms changes in a single issue - delete the fields irrelevant to your request._  ## Picklist Item(s)  Associated Field(s):  Label: Ontology ID or PURL:  Definition/Description: Definition Source: Synonyms or alternative labels: Additional Comments (not an annotation):  --- Contributor Attribution: {Optional - ORCID is preferred}</div></div></div>	<p><b>Issue Title:</b> CTR: hen</p> <hr/> <p><b>Associated Field(s):</b> host (food production name)</p> <p><b>Label:</b> hen</p> <p><b>Ontology ID or PURL:</b> FOODON:00003282, <a href="http://purl.obolibrary.org/obo/FOODON_00003282">http://purl.obolibrary.org/obo/FOODON_00003282</a></p> <p><b>Definition:</b> An adult female chicken.</p> <p><b>Definition Source:</b> <a href="https://en.wikipedia.org/wiki/Hen">https://en.wikipedia.org/wiki/Hen</a></p> <p><b>Synonyms or alternative labels:</b> female chicken</p> <p><b>Additional Comments (not an annotation):</b></p> <p><b>Contributor Attribution:</b> <a href="https://orcid.org/0000-0002-1825-0097">https://orcid.org/0000-0002-1825-0097</a>, <a href="https://orcid.org/0000-0002-1107-9135">https://orcid.org/0000-0002-1107-9135</a></p>

*\* Not a real issue request - example just for demonstration.*

# New Term Request

An [issue template](#) for submitting term change requests.

Before you make a new term request, we recommend you check whether it already exists within another picklist in the “[Term Reference Guide](#)”. If you find a matching term, remove the regular text fields and just indicate the “Label”, ontology ID (unless unavailable), the field you want it listed under (i.e, “Associated Field(s)), and a comment indicating this is the reuse of an existing specification term.


Issue Template	Example
<div><div>NTR: [list term label(s)]</div><div><div>Write</div><div>Preview</div></div><div><div>H</div><div>B</div><div>I</div><div>☰</div><div>&lt;&gt;</div><div>🔗</div><div>☰</div><div>☰</div><div>☑</div><div>@</div><div>📎</div><div>↶</div></div><div># AMR-GRDI Specification - New Term Request (NTR) _May request multiple terms in a single issue - delete the fields irrelevant to your request._  ## Picklist Item(s)  Associated Field(s):  Label: Definition/Description: Definition Source: Synonyms or alternative labels: Additional Comments (not an annotation):  --- Contributor Attribution: {Optional - ORCID is preferred}</div></div>	<p><b>Issue Title:</b> NTR: nasopharynx</p> <hr/> <p><b>Associated Field(s):</b> anatomical_part</p> <p><b>Label:</b> Nasopharynx <b>Definition:</b> The section of the pharynx that lies above the soft palate. <b>Definition Source:</b> <a href="http://www.informatics.jax.org/accession/cwg">http://www.informatics.jax.org/accession/cwg</a> <b>Synonyms or alternative labels:</b> NP <b>Additional Comments (not an annotation):</b> &lt;description of usage within a sample plan&gt;</p> <p><b>Contributor Attribution:</b> <a href="https://orcid.org/0000-0002-1825-0097">https://orcid.org/0000-0002-1825-0097</a></p>

*\* Not a real issue request - example just for demonstration.*


## Example of complete specification NTR thread on GitHub:

[https://github.com/cidgoh/GRDI\\_AMR\\_One\\_Health/issues/1](https://github.com/cidgoh/GRDI_AMR_One_Health/issues/1)

### NTR: nasopharynx #1

 Open

cmrn-rhi opened this issue 13 days ago · 0 comments



cmrn-rhi commented 13 days ago · edited

Member

😊 ...

#### AMR-GRDI Specification - New Term Request (NTR)

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##### Picklist Item(s)


---

##### Associated Field(s): anatomical\_part


Label: Nasopharynx  
Definition/Description: The section of the pharynx that lies above the soft palate.  
Definition Source: <http://www.informatics.jax.org/accession/cwg>  
Synonyms or alternative labels: NP  
Additional Comments (not an annotation):  
*description of usage within a sample plan*

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Contributor Attribution: <https://orcid.org/0000-0002-1825-0097>



cmrn-rhi added **NTR** **example** labels 13 days ago




cmrn-rhi commented 20 seconds ago

Member

Author

😊 ...

This is a pretend/example new term request.




Write

Preview

H B I ↵ <> 🔗 ☰ ☷ ☑ @ 🗑 ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them. 

🔒 Close issue

▼

Comment

## Appendix A - Annotation Guide

There are more annotations here than listed in the [GRDI AMR One Health](#) issue templates. This additional annotations are for assisting more advanced ontology term curation.

Annotation	Description
<b>Field Category:</b>	The broader field category. E.g., the name of the “tab” you think an addition belongs to within the curation template or the field reference guide.
<b>Field:</b>	The field you want to request changes in or you want to add a picklist item to.
<b>Label:</b>	An <a href="#">rdfs:label</a> that provides a human-readable description of a resource.
<b>Alternative Label:</b>	"A label for a class or property that can be used to refer to the class or property instead of the preferred <a href="#">rdfs:label</a> . Alternative labels should be used to indicate community- or context-specific labels, abbreviations, shorthand forms and the like." <a href="#">[IAO:0000118]</a>
<b>Synonym:</b>	
<b>Exact Synonym:</b>	"An alternative label for a class or property which has the exact same meaning than the preferred name/primary label." <a href="#">[hasExactSynonym]</a>
<b>Narrow Synonym:</b>	"An alternative label for a class or property which has a more specific meaning than the preferred name/primary label." <a href="#">[hasNarrowSynonym]</a>
<b>Broad Synonym:</b>	"An alternative label for a class or property which has a more general meaning than the preferred name/primary label." <a href="#">[hasBroadSynonym]</a>
<b>Definition:</b>	"The official definition, explaining the meaning of a class or property. Shall be Aristotelian, formalized and normalized. Can be augmented with colloquial definitions." <a href="#">[IAO:0000115]</a> - if you aren't sure how to meet this requirements, don't fret - give a definition and the ontology curator will restructure it to meet the definition requirements.
<b>Definition Source:</b>	"Formal citation, e.g. identifier in external database to indicate / attribute source(s) for the definition. Free text indicate / attribute source(s) for the definition." <a href="#">[IAO:0000119]</a> Database Cross Reference: For when you want to cross reference with another database identifier (e.g., MlxS, MESH, etc.) <a href="#">[hasDBXref]</a>
<b>Parent Class:</b>	The class/term within the target ontology under which you think the term being request should be placed. Depending on the ontology you are requesting this in, it isn't strictly required - but it is helpful in facilitating curation efficiency and in giving the curator a better impression of the term you're requesting. There can be multiple parent classes/terms for an ontology term.
<b>Parent Class ID:</b>	An ontology IRI (e.g., <a href="#">FOODON:00001002</a> ) or the PURL (e.g., <a href="http://purl.obolibrary.org/obo/FOODON_00001002">http://purl.obolibrary.org/obo/FOODON_00001002</a> ) associated with the parent class/term.
<b>Contributor Attribution:</b>	Optional. <a href="#">ORCID</a> is preferred - this is so we can list you as a contributor <a href="#">[dc:contributor]</a> .
<b>Additional Comments (not an annotation):</b>	Additional context is valuable to ontology curators to ensure the changes they make are appropriate for your need. If the curator deems it necessary, they may include it as a "comment" <a href="#">[comment]</a> or "editor note" <a href="#">[IAO:0000116]</a> annotation.



## Appendix B - GitHub Account

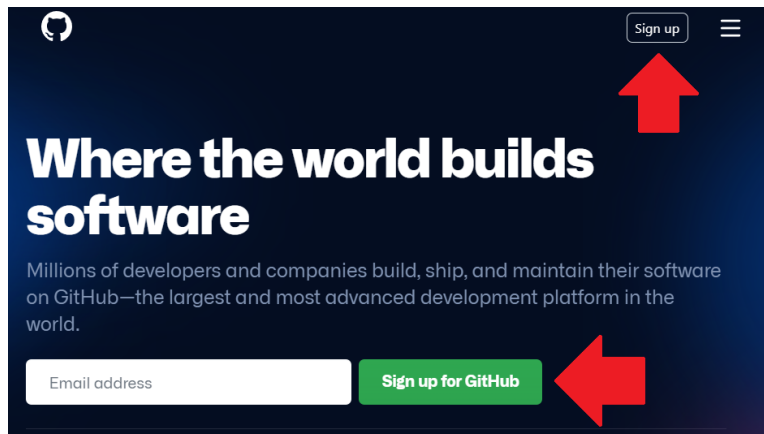
GitHub is a collaborative, online hosted version of git (a version control system) used to managed AMR-GRDI resources and specification issue requests.

You will need access to a free, personal GitHub account in order to engage with the AMR-GRDI new term request protocol. If you already have a GitHub account then no action is needed.

You can sign-up for an account at [Github.com](https://github.com) by following the [Signing up for a new GitHub account](#) information or follow the guidance below.

1) Navigate to [Github.com](https://github.com)

2) Select “Sign up”



3) Enter your email

4) Create a password

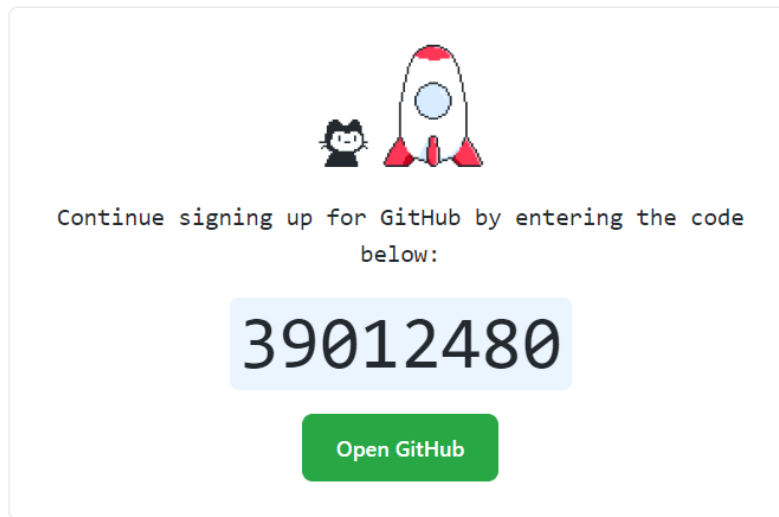
5) Enter a username

6) Indicate preference regarding email product updates and announcements (“y” for yes or “n” for no)

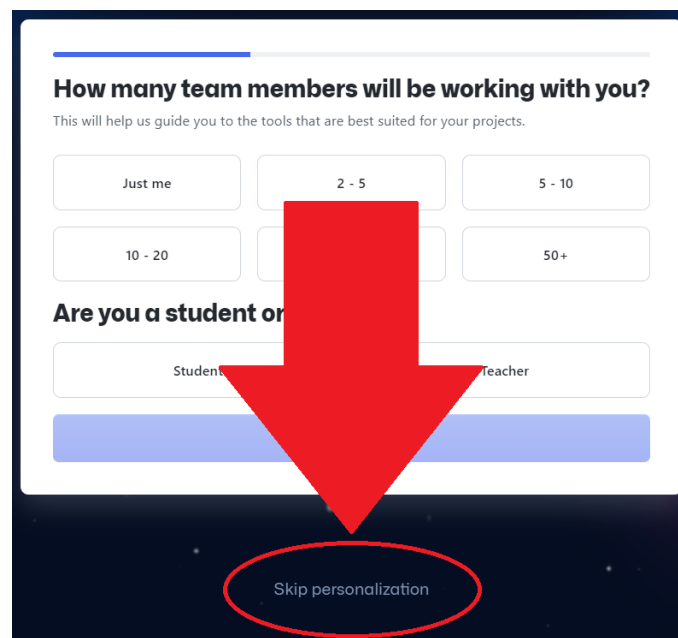
7) Perform a short puzzle to verify you’re human



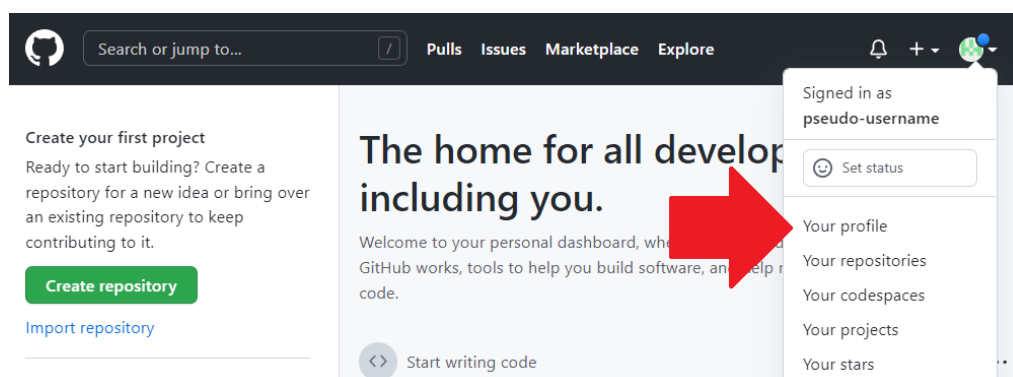
8) Enter the confirmation code emailed to you



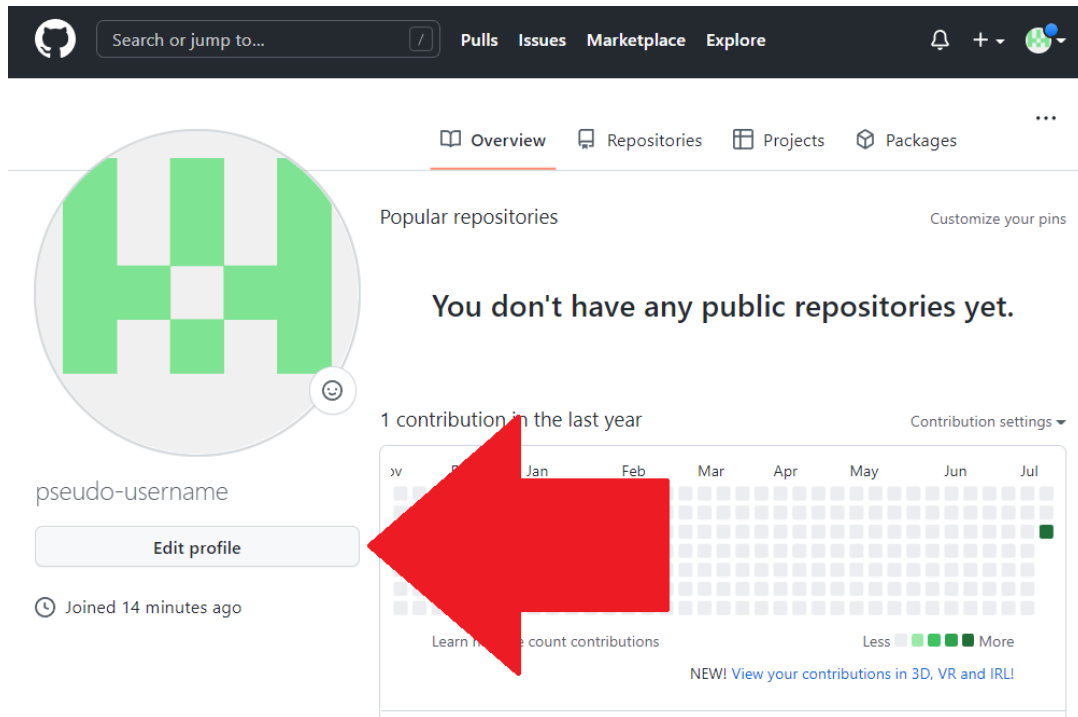
9) **Welcome Guide** - enter this information as you see fit, or scroll down and select “skip personalization”



10) **Dashboard** - At this point, we recommend navigating to your profile so you can edit your profile information.



11) Select “**Edit profile**”



12) Enter the information you feel comfortable with. We recommend including your name (in full, short form, or initials) to make it easier for collaborators to identify you when you submit issue requests to our system.

The screenshot shows the GitHub profile edit form. The form is titled 'Name' and includes fields for Name, Bio, Company, Location, Website, and Twitter username. A red box highlights the form fields. The text 'Name' is displayed above the Name field. The text 'Name' is displayed inside the Name field. The text 'Bio' is displayed above the Bio field. The text 'Add a bio' is displayed inside the Bio field. The text 'You can @mention other users and organizations to link to them.' is displayed below the Bio field. The text 'Company' is displayed above the Company field. The text 'Location' is displayed above the Location field. The text 'Website' is displayed above the Website field. The text 'Twitter username' is displayed above the Twitter username field. The text 'Save' is displayed below the form fields. The text 'Cancel' is displayed below the form fields. The text 'Popular repositories' is displayed at the top of the page. The text 'Customize your pins' is displayed at the top of the page. The text 'Overview', 'Repositories', 'Projects', and 'Packages' are displayed at the top of the page. The text 'Search or jump to...' is displayed at the top of the page. The text 'Pulls', 'Issues', 'Marketplace', and 'Explore' are displayed at the top of the page. The text '7' is displayed at the top of the page. The text 'Notifications', 'Add', and 'Profile' are displayed at the top of the page.

13) Now you can navigate and interact with [https://github.com/cidgoh/GRDI\\_AMR\\_One\\_Health](https://github.com/cidgoh/GRDI_AMR_One_Health)



## Appendix C - Document Revision History

Version	Date	Writer	Description of Change
1.0	July 12 2022	Rhiannon Cameron	Initial release
1.1	July 25 2022	Rhiannon Cameron	Annotation Guide (Appendix A), more issue request options, additional guidance