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# **NHSPy Documentation**

*Release 0.1.0*

**Matt Stibbs**

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<b>1</b>	<b>NHSPy</b>	<b>3</b>
1.1	Features . . . . .	3
1.2	Credits . . . . .	3
<b>2</b>	<b>Installation</b>	<b>5</b>
2.1	Stable release . . . . .	5
2.2	From sources . . . . .	5
<b>3</b>	<b>Usage</b>	<b>7</b>
<b>4</b>	<b>Contributing</b>	<b>9</b>
4.1	Types of Contributions . . . . .	9
4.2	Get Started! . . . . .	10
4.3	Pull Request Guidelines . . . . .	10
4.4	Tips . . . . .	11
<b>5</b>	<b>Credits</b>	<b>13</b>
5.1	Development Lead . . . . .	13
5.2	Contributors . . . . .	13
<b>6</b>	<b>History</b>	<b>15</b>
6.1	0.1.0 (2016-05-15) . . . . .	15
<b>7</b>	<b>Indices and tables</b>	<b>17</b>



Contents:



A python package to help with NHS-specific functions.

- Free software: ISC license
- Documentation: <https://nhspy.readthedocs.org>.

## 1.1 Features

### TODO \* NHS Number Validation

- **CUI Formatting**
  - NHS Number (e.g. 123 456 7890)
  - Dates (e.g. 01-Jan-1970 01:20)
  - Patient Name (e.g. BLOGGS Joe)

## 1.2 Credits

This package was created with [Cookiecutter](#) and the [audreyr/cookiecutter-pypackage](#) project template.





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## Installation

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### 2.1 Stable release

To install NHSPy, run this command in your terminal:

```
$ pip install nhspy
```

If you don't have `pip` installed, [this Python installation guide](#) can guide you through the process.

### 2.2 From sources

The sources for NHSPy can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/mattstibbs/nhspy
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/mattstibbs/nhspy/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```



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## Usage

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To use NHSPy in a project:

```
import nhspy
```



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## Contributing

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Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

You can contribute in many ways:

### 4.1 Types of Contributions

#### 4.1.1 Report Bugs

Report bugs at <https://github.com/mattstibbs/nhspy/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

#### 4.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” is open to whoever wants to implement it.

#### 4.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “feature” is open to whoever wants to implement it.

#### 4.1.4 Write Documentation

NHSPy could always use more documentation, whether as part of the official NHSPy docs, in docstrings, or even on the web in blog posts, articles, and such.

#### 4.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/mattstibbs/nhspy/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## 4.2 Get Started!

Ready to contribute? Here's how to set up *nhspy* for local development.

1. Fork the *nhspy* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/nhspy.git
```

3. Install your local copy into a virtualenv. Assuming you have *virtualenvwrapper* installed, this is how you set up your fork for local development:

```
$ mkvirtualenv nhspy
$ cd nhspy/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass *flake8* and the tests, including testing other Python versions with *tox*:

```
$ flake8 nhspy tests
$ python setup.py test or py.test
$ tox
```

To get *flake8* and *tox*, just *pip* install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

## 4.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in *README.rst*.
3. The pull request should work for Python 2.6, 2.7, 3.3, 3.4 and 3.5, and for PyPy. Check [https://travis-ci.org/mattstibbs/nhspy/pull\\_requests](https://travis-ci.org/mattstibbs/nhspy/pull_requests) and make sure that the tests pass for all supported Python versions.

## 4.4 Tips

To run a subset of tests:

```
$ python -m unittest tests.test_nhspy
```





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**Credits**

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## 5.1 Development Lead

- Matt Stibbs <nhs-py@stibbsy.co.uk>

## 5.2 Contributors

None yet. Why not be the first?



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**History**

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**6.1 0.1.0 (2016-05-15)**

- First release on PyPI.



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## Indices and tables

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- `genindex`
- `modindex`
- `search`