

# Package: medparser (via r-universe)

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**Type** Package

**Title** MedPC Text Parser

**Version** 0.1.0

**Author** Olivia Ortelli, Tony Colarusso

**Maintainer** Olivia Ortelli <oortelli@wakehealth.edu>

**Description** Parses information from text files with specific utility aimed at pulling information from Med Associate's (MPC) files. These functions allow for further analysis of MPC files.

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**Encoding** UTF-8

**RoxygenNote** 7.3.1

**NeedsCompilation** no

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**Repository** <https://oortelli.r-universe.dev>

**RemoteUrl** <https://github.com/cran/medparser>

**RemoteRef** HEAD

**RemoteSha** c1a20b08b1cf84991958ae7f3930bd3bc60bb869

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DecimalStringToInteger

*DecimalStringToInteger*

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### Description

Converts string into integer

### Usage

```
DecimalStringToInteger(string)
```

### Arguments

string            Character to be converted into an integer

### Value

integer           An integer

### Author(s)

Olivia Ortelli, Tony Colarusso

### Examples

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
B_index = 1+grep("B:", allText[-1], value = FALSE)
Left_LeverPressBout = DecimalStringToInteger(PullStringFromIndex(allText,B_index+1))
```

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PullStringFromIndex    *PullStringFromIndex*

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### Description

Pulls indices from MPC arrays

### Usage

```
PullStringFromIndex(allText, index)
```

### Arguments

allText            Character string containing MPC file  
index                A number specifying the index where the array or value of interest begins in the MPC file

**Value**

stringValue     A character string following the index start

**Author(s)**

Olivia Ortelli, Tony Colarusso

**Examples**

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
B_index = 1+grep("B:", allText[-1], value = FALSE)
Left_LeverPressBout = DecimalStringToInteger(PullStringFromIndex(allText,B_index+1))
```

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PullStringFromTextSearch

*PullStringFromTextSearch*

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**Description**

Pulls string following specified text

**Usage**

```
PullStringFromTextSearch(allText, text)
```

**Arguments**

allText           Character string containing MPC file  
text              A character string where matches are searched for

**Value**

stringValue     A character string where matches are searched for

**Author(s)**

Olivia Ortelli, Tony Colarusso

**Examples**

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
SubjectID = PullStringFromTextSearch(allText, "Subject:")
```

TimestampPull            *TimestampPull*

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**Description**

Pulls timestamps in H:M:S format

**Usage**

```
TimestampPull(allText, HMSindex)
```

**Arguments**

allText	Character string containing MPC file
HMSindex	A number specifying the index to pull from the H, M, and S arrays

**Value**

HMS	A single character combining the values from the H, M, and S arrays to read a complete time stamp (H:)
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**Author(s)**

Olivia Ortelli, Tony Colarusso

**Examples**

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
C_index = 1+grep("C:", allText[-1], value = FALSE)
H_index = 1+grep("H:", allText[-1], value = FALSE)
M_index = 1+grep("M:", allText[-1], value = FALSE)
NumberOfTimestampsRecorded = (M_index-1)-(H_index+1)
firsttimestamp = TimestampPull(allText,1)
```

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