

# Graphs

mPDF can generate graphs from table data. This requires the **JPGraph** program, which is an open-source PHP library available from <http://www.aditus.nu/jpgraph/>

Graphs have only been tested with the PHP5 version of JPGraph.

## Installation

JPGraph needs to be installed on your server. Follow the instructions for installing JPGraph, including configuring the script to access the TTF fonts necessary to produce JPGraphs.

**Note:** Check that you have a subfolder in your /mpdf/ folder named /graph\_cache/ and make sure it is writeable.

## Using Graphs in mPDF

See the example below. The table containing data must precede the graph. Nested tables will be ignored.

### Example #1

```
<?php
include("../mpdf.php");

// This must be defined before including mpdf.php file
define("_JPGRAPH_PATH", '../jpgraph_5/src/');

// Change these if necessary to the name of font files you can access from JPGraph
define("_TTF_FONT_NORMAL", 'arial.ttf');
define("_TTF_FONT_BOLD", 'arialbd.ttf');

$mpdf=new mPDF();

// This must be set to allow mPDF to parse table data
$mpdf->useGraphs = true;

$html = '
<table id="tbl_1"><tbody>
<tr><td></td><td><b>Female</b></td><td><b>Male</b></td></tr>
<tr><td>35 - 44</td><td><b>4</b></td><td><b>2</b></td></tr>
<tr><td>45 - 54</td><td><b>5</b></td><td><b>7</b></td></tr>
<tr><td>55 - 64</td><td><b>21</b></td><td><b>18</b></td></tr>
<tr><td>65 - 74</td><td><b>11</b></td><td><b>14</b></td></tr>
<tr><td>75 - 84</td><td><b>10</b></td><td><b>10</b></td></tr>
<tr><td>85 - 94</td><td><b>2</b></td><td><b>1</b></td></tr>
<tr><td>95 - 104</td><td><b>1</b></td><td><b></b></td></tr>
<tr><td>TOTAL</td><td><b>54</b></td><td><b>52</b></td></tr>
</tbody></table>

<jpgraph table="tbl_1" type="bar" title="New subscriptions" label-y="% patients" label-x="Age
group" series="cols" data-row-end="-1" show-values="1" width="600" legend-overlap="1" hide-
grid="1" hide-y-axis="1" />
';

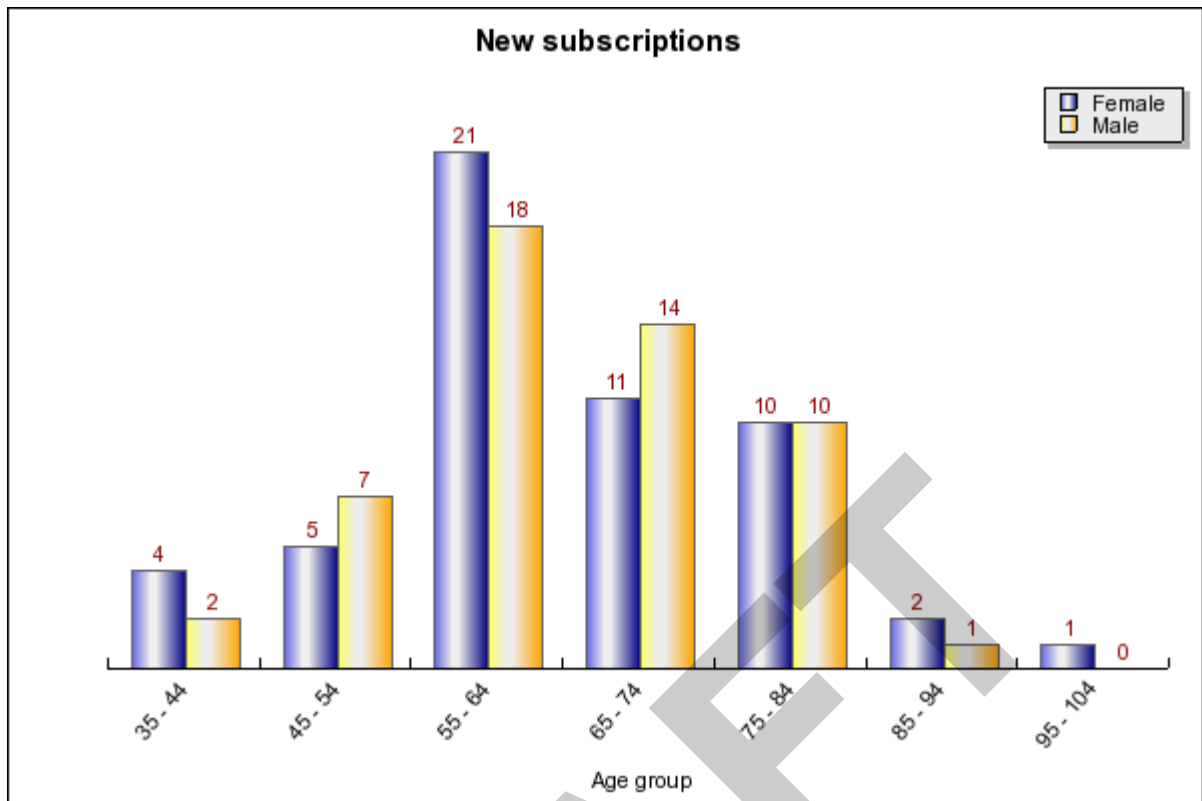
$mpdf->WriteHTML($html);
$mpdf->Output();
exit;

?>
```

## Result

This should produce a PDF file like this:

	Female	Male
35 - 44	4	2
45 - 54	5	7
55 - 64	21	18
65 - 74	11	14
75 - 84	10	10
85 - 94	2	1
95 - 104	1	
TOTAL	54	52



Note that graphs can be rotated as with images using `<jpggraph rotate="90" ...` (see HTML attributes)

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