

Service Dashboard 1,000 selected out of 1,000 records (excluding indirect) | [Reset All](#)

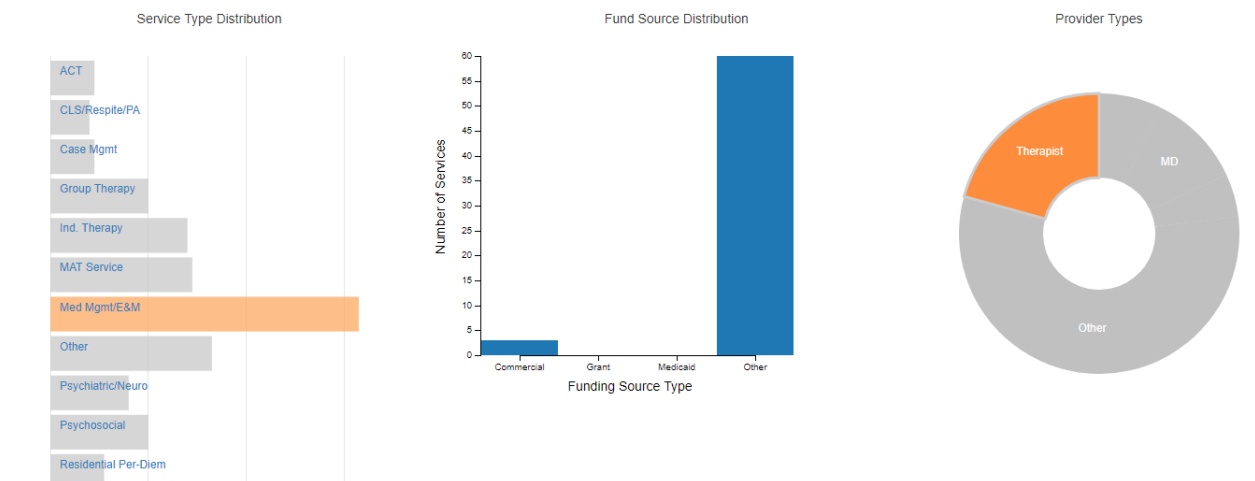
Billed: \$103,283.00 Paid: \$33,944.00 Collected: 32.87%



Clicking any chart piece recalculates everything using the new filters

Service Dashboard 63 selected out of 1,000 records (excluding indirect) | [Reset All](#)

Billed: \$5,995.00 Paid: \$2,166.00 Collected: 36.13%



HTML/JavaScript:

```
<!DOCTYPE HTML>
<HTML>
  <HEAD>
    <meta content="text/html; charset=utf-8" http-equiv="Content-Type">
    <meta content="utf-8" http-equiv="encoding">
    <TITLE>Services Breakdowns</TITLE>
    <link rel="stylesheet" type="text/css" href="../../bootstrap.min.css"/>
    <script Type="TEXT/javascript" src="../../jquery.js"></script>
    <script type="text/javascript" src="../../d3.v3.min.js" charset="utf-8"></script>
```

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<script type="text/javascript" src="../../crossfilter.js"></script>
<script Type="TEXT/JAVASCRIPT" src="../../dc2.js"></script>
<link rel="stylesheet" type="text/css" href="../../dc.css"/>
<script Type="TEXT/JAVASCRIPT" src="../../SumGroup.js"></script>
<style>
    .dc-chart g.row text {
        fill: #3182bd;
        font-size: 12px;
        cursor: pointer;
    }

</style>
</HEAD>
<BODY>
<!-- <nav class="navbar navbar-default no-margin" id="NoMargin">
<div class="container-fluid">
    <!-- Brand and toggle get grouped for better mobile display
    <div class="navbar-header">
        <button type="button" class="navbar-toggle collapsed" data-
toggle="collapse" data-target="#bs-example-navbar-collapse-1" aria-
expanded="false">
            <span class="sr-only">Toggle navigation</span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
            <span class="icon-bar"></span>
        </button>
        <a class="navbar-brand" href="../../index.php">Pennyroyal Analytics</a>
    </div>

    <!-- Collect the nav links, forms, and other content for toggling
    <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1"
padding-bottom: 0;>
        <ul class="nav navbar-nav">
            <!--          <li class="active" height: 5px;> <a href="#menu-toggle"
class="btn btn-default" id="menu-toggle">Toggle Menu</a></li>
        </ul>
    </div><!-- /.navbar-collapse
    </div><!-- /.container-fluid
</nav> -->

```

```

<div class="container-fluid">
<div class="row">
    <div class="col-md-12 dc-data-count dc-chart" id="data-count">
        <h2>
            Service Dashboard
        <small>
            <span class="filter-count"></span> selected out of <span
class="total-count"></span> records (excluding indirect) |
            <a id="all">Reset All</a>
        </small>
    </div>

```

```

        <div>    <small>    Billed: $<span id="billedSum"></span>          Paid:
$<span id="paidSum"></span>          Collected: <span
id="collected"></span></small>    </div>
    </div>
</div>
<!-- Start row 1 -->
<div class="row" id="control-row">
<div style="text-align: center" class="col-sm-4 pie-chart">
    <div id="bar-graph-ser">
        <span>Service Type Distribution</span>
        <div style="visibility: hidden;" class="reset">selected: <span
class="filter"></span>
            <a onclick="barGraph.filterAll();dc.redrawAll();">reset</a>
        </div>
    </div>
</div>
<div style="text-align: center" class="col-sm-5 pie-chart">
    <div id="bar-graph-fs">
        <span>Fund Source Distribution</span>
        <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:FSGraph.filterAll();dc.redrawAll();">reset</a>
        </div>
    </div>
</div>
<div style="text-align: center" class="col-sm-3 pie-chart">
    <div id="pie-graph-StaffID">
        <span>Provider Types</span>
        <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
    </div>
</div>
</div>
</div>
<!-- Start row 2 -->
<div style="text-align: center" class="row" id="control-row">
    <div class="col-sm-4 pie-chart">
        <div id="pie-graph-status">
            <span>Event - Status</span>
            <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
                <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
            </div>
        </div>
    </div>
</div>
<div class="col-sm-4 pie-chart">
    <div id="row-chart-county">
        <span>RU County</span>
        <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
    </div>
</div>

```

```

        </div>
    </div>
</div>
        <div class="col-sm-4 pie-chart">
        <div id="pie-graph-attn">
            <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
        </div>
        </div>
        </div>
<!-- Start row 3 -->
        <div style="text-align: center" class="row" id= "control-row">
        <div class="col-sm-4 pie-chart">
        <div id="pie-graph-billable">
        <span>Event - Billable</span>
            <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
        </div>
        </div>
        <div class="col-sm-4 pie-chart">
        <div id="pie-graph-billflag">
        <span>Event - Billed</span>
            <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
        </div>
        </div>
<!--
        <div class="col-sm-4 pie-chart">
        <div id="pie-graph-attn">
            <div class="reset" style="visibility: hidden;">selected: <span
class="filter"></span>
            <a
href="javascript:pieChart.filterAll();dc.redrawAll();">reset</a>
        </div>
        </div>
        </div>
        <div class="row" id="control-row">
<div class="col-md-12 table">
    <div class='container' style='font: 12px sans-serif;'>
        <div class='row'>
            <div class='span12'>
                <table class='table table-hover' id='dc-table-graph'>
                    <thead>
                        <tr class='header'>
                            <th>Staff ID</th>
                            <th>Service Code</th>
                            <th>FS</th>
                            <th>RU</th>

```

```

        <th>DOS</th>
        <th>Billed</th>
        <th>Paid</th>
    </tr>
</thead>
</table>
</div>
</div>
</div>
</div>
<div id="APPENDME"></div>
<script type="text/javascript">
    /*
    This will import the function ro test filters
    */

    //This segment is to allow the HTML to be interactive with the
    reset buttons.
    d3.selectAll('a#all').on('click', function () {
        dc.filterAll();
        dc.renderAll();
    });

    d3.selectAll('a#year').on('click', function () {
        yearChart.filterAll();
        dc.redrawAll();
    });

    d3.selectAll('a#month').on('click', function () {
        monthChart.filterAll();
        dc.redrawAll();
    });

    d3.selectAll('a#day').on('click', function () {
        dayChart.filterAll();
        dc.redrawAll();
    });

    //jQuery(document).ready(function(){
        var dataset = [];

        d3.csv('./eventdata.csv', function (error, data) {

            if (error) throw error;
            // dataset = data;
            data.forEach(function(d, i) {

                var dformat = d3.time.format("%Y-%m-%d");

                d.index = i;

```

```

        d.DOS = dformat.parse(d.DOS);
        d.COMP = +d.COMP;
        d.PAID = +d.PAID;

        if (d.FS == "" || isNaN(d.FS)) {
            d.FS = "0";
        }

    });

    dataset = data;

    run(dataset);
});

function run(dataset) {

    var ndx = crossfilter(dataset);

    var size = crossfilter(dataset).size();
    var all = ndx.groupAll();
    var bamted = ndx.groupAll();
    // var allBill = size.groupAll().reduceSum(function(d) { return
d.COMP; });
    var dataCount = dc.dataCount("#data-count");
    dataCount
        .dimension(ndx)
        .group(all);

    // var billedAmtTotal = ndx.groupAll();
    var bWidget = SumCounter(ndx, bamted, "billedSum")
        dc.registerChart(bWidget);
    var pWidget = SumCounterPay(ndx, bamted, "paidSum")
        dc.registerChart(pWidget);
    var cWidget = PercentageCollected(ndx, bamted, "collected",
"billedSum", "paidSum");
    dc.registerChart(cWidget);
    //Dimentions
    //To filter by staff (staffMembers)
    var staffID = ndx.dimension(function(d) { return d.STAFFID;});
    var SelectEvent = ndx.dimension(function(d) {
SER = parseInt(d.SER);
if ((SER > 400 && SER <= 1999) || (SER >= 3000 && SER <= 9999)) {
    return 1
} else {
    return 0
}
});

    SelectEvent.filter(1);

```

```

var eventType = ndx.dimension(function(d) {

    var SER = parseInt(d.SER);

    if (SER >= 530 && SER <= 533) {
        return "Psychosocial";
    } else if ((SER >= 6451 && SER <= 6459) || d.RU == "2192")) {
        return "MAT Service"
    } else if (SER == 610 || SER == 910 || SER == 9100 || SER == 620) {
        return "Ind. Therapy";
    } else if (SER >= 630 && SER <= 638) {
        return "Group Therapy";
    } else if (SER >= 5000 && SER <= 5009) {
        return "Med Mgmt/E&M";
    } else if (SER >= 700 && SER <= 790) {
        return "Case Mgmt";
    } else if (SER >= 400 && SER <= 450) {
        return "Respond";
    } else if (SER == 822 || SER == 830 || (SER >= 840 && SER <= 843) ||
SER == 568 || SER == 850 || SER == 824 || SER == 567 || SER == 568) {
        return "CLS/Respite/PA"
    } else if (SER == 862) {
        return "Residential Per-Diem"
    } else if (SER == 863 || SER == 866) {
        return "ACT"
    } else if (SER == 871) {
        return "Interperitive"
    } else if (SER == 472 || SER == 454) {
        return "Pasrr"
    } else if (SER == 858) {
        return "Staffed Resi"
    } else if (SER >= 830 && SER <= 833 || SER == 820 || SER == 838 ||
SER == 836 || SER == 834 || SER == 837 || SER == 614) {
        return "IDD"
    } else if (SER == 695 || SER == 696) {
        return "Peer Support"
    } else if (SER == 693) {
        return "Education"
    } else if (SER >= 4730 && SER <= 4739 ) {
        return "Prevention"
    } else if (SER == 615) {
        return "Med Mgmt/E&M"
    } else if (SER >= 540 && SER <= 544 || SER == 520 || SER == 640) {
        return "Psychiatric/Neuro"
    } else {
        return "Other";
    }

});

```

```

var staffType = ndx.dimension(function(d) {

    var staffID = parseInt(d.STAFFID);

```

```

        var RU = parseInt(d.RU);
        var SER = parseInt(d.SER);

        if (staffID >= 1000 && staffID <= 1999) {
            return "MD";
        } else if (RU == 9100) {
            return "Respond";
        } else if (staffID == 9367) {
            return "System";
        } else if (staffID >= 2000 && staffID <= 3999) {
            return "Therapist";
        } else if (staffID >= 4000 && staffID <= 4499) {
            return "Nurse";
        } else if (staffID >= 4500 && staffID <= 4999) {
            return "APRN";
        } else if (staffID == 9998) {
            return "System";
        } else if (SER == 638 || SER == 610) {
            return "Therapist";
        } else if (staffID == 6999 || SER == 822 || (SER >= 840 && SER <=
843)) {
            return "CDO/PDS"
        } else {
            return "Other";
        }

    });

    var eventFs = ndx.dimension(function(d) {

        var FS = parseInt(d.FS);

        if (FS == 1117 || FS == 1118 || FS == 1120 || (FS >= 1133 && FS <=
1135) || (FS >= 1104 && FS <= 1108) || (FS >= 1137 && FS <= 1141)) {
            return "Medicaid";
        } else if (FS == 1110) {
            return "Medicare";
        } else if (FS == 1121 || FS == 1146 || FS == 1126 || FS == 1145) {
            return "CDO/PDS"
        } else if (FS >= 5000 && FS <= 5999) {
            return "Commercial"
        } else if (FS == 1 || FS == 2) {
            return "Private Pay"
        } else if (FS == 1071 || (FS >= 7739 && FS <= 7747)) {
            return "Grant"
        } else if (FS == 0) {
            return "FS0"
        } else {
            return "Other";
        }

    });

    var eventStatus = ndx.dimension(function(d) {

        if (d.STATUS == "1") {
            return "Open";
        }
    });

```



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    } else if (d.STATUS == "2") {
        return "Paid";
    } else if (d.STATUS == "3") {
        return "Rebilled";
    } else if (d.STATUS == "4") {
        return "Adjusted";
    } else if (d.STATUS == "5"){
        return "W/O";
    }else {
        return "Other";
    }

});

var County = ndx.dimension(function(d) {
    var cnty = d.RU
    cnty = cnty.substring(0,1);

    if (cnty == 1) {
        return "Crittend";
    } else if (cnty == 2) {
        return "Christian";
    } else if (cnty == 3) {
        return "Todd";
    } else if (cnty == 4) {
        return "Hopkins";
    } else if (cnty == 5){
        return "Trigg";
    } else if (cnty == 6) {
        return "Caldwell"
    } else if (cnty == 7) {
        return "Lyon"
    } else if (cnty == 8) {
        return "Muhlenberg"
    } else if (cnty == 9) {
        return "Regional"
    }else {
        return "Other";
    }

});

var eventAttn = ndx.dimension(function(d) {
    var att = parseInt(d.ATT);
    if (att >= 1 && att <= 3) {
        return "Kept";
    } else if (att == 4 || att == 6 || att == 9) {
        return "Client Cancel";
    } else if (att == 5 || att == 7) {
        return "Staff Cancel";
    }else {
        return "Other";
    }
});

var billFlag = ndx.dimension(function(d) {

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        if (d.FLAG == "Y") {
            return "Billed";
        } else if (d.FLAG == "N") {
            return "Not Billed";
        } else {
            return "Other";
        }
    });
var billableFlag = ndx.dimension(function(d) {

    if (d.COMP > 0) {
        return "Billable";
    } else if (d.COMP == 0) {
        return "Not Billable";
    } else {
        return "Other";
    }
});

/*
var recip = ndx.dimension(function(d) {

    if (d. > 0) {
        return "Billable";
    } else if (d.COMP == 0) {
        return "Not Billable";
    } else {
        return "Other";
    }
}); */

//create group (for counts and grouping)
var eventTypeGrp = eventType.group().reduceCount();
var staffTypeGrp = staffType.group().reduceCount();
var eventFsGrp = eventFs.group().reduceCount();
var staffIDGrp = staffID.group().reduceCount();
var eventStatGrp = eventStatus.group().reduceCount();
var countyGrp = County.group().reduceCount();
var eventAttnGrp = eventAttn.group().reduceCount();
var eventBillFlagGrp = billFlag.group().reduceCount();
var eventBillableGrp = billableFlag.group().reduceCount();
//Create graphs

var barGraph = dc.rowChart("#bar-graph-ser");
barGraph /* dc.barChart('#volume-month-chart', 'chartGroup') */
    .width(420)
    .height(550)
    .margins({top: 10, right: 50, bottom: 30, left: 40})
    .dimension(eventType)
    .group(eventTypeGrp)

    // .elasticY(true)
    .elasticX(true)
    .xAxis().ticks(4);

var pieChart = dc.pieChart("#pie-graph-StaffID");

```

```

pieChart
    .width(300)
    .height(400)
    .radius(150)
    .dimension(staffType)
    .group(staffTypeGrp)
    .innerRadius(60);
// .margins({top: 10, right: 50, bottom: 30, left: 40})

var FSGraph = dc.barChart("#bar-graph-fs");
FSGraph
    .width(520)
    .height(380)
    .x(d3.scale.ordinal())
    .xUnits(dc.units.ordinal)
    .brushOn(false)
    .xAxisLabel('Funding Source Type')
    .yAxisLabel('Number of Services')
    .dimension(eventFs)
    .group(eventFsGrp)
    .elasticY(true)
    .elasticX(true)
    .margins({top: 10, right: 50, bottom: 50, left: 50});
var pieChart = dc.pieChart("#pie-graph-status");

pieChart
    .width(300)
    .height(385)
    .radius(150)
    .dimension(eventStatus)
    .group(eventStatGrp)
    .innerRadius(60);

var countyGraph = dc.rowChart("#row-chart-county");
countyGraph /* dc.barChart('#volume-month-chart', 'chartGroup') */
    .width(420)
    .height(400)
    .margins({top: 10, right: 50, bottom: 30, left: 40})
    .dimension(County)
    .group(countyGrp)
    // .xAxisLabel('Number of Services')
    // .yAxisLabel('County of Service')
    // .elasticY(true)
    .elasticX(true)
    .xAxis().ticks(4);

var attnGraph = dc.pieChart("#pie-graph-attn");

attnGraph

```

```

        .width(300)
        .height(385)
        .radius(150)
        .dimension(eventAttn)
        .group(eventAttnGrp)
        .innerRadius(60);

var bfGraph = dc.pieChart("#pie-graph-billflag");

bfGraph
    .width(300)
    .height(385)
    .radius(150)
    .dimension(billFlag)
    .group(eventBillFlagGrp)
    .innerRadius(60);

var billableGraph = dc.pieChart("#pie-graph-billable");

billableGraph
    .width(300)
    .height(385)
    .radius(150)
    .dimension(billableFlag)
    .group(eventBillableGrp)
    .innerRadius(60);

var MOYFormat = d3.time.format("%m/%d/%y")
var table = dc.dataTable("#dc-table-graph");
table
    .width(960).height(800)
    .dimension(staffID)
    .group(function(d) {return ""; })
    .size(30)
    .columns([
function(d) { return d.STAFFID; },
function(d) { return d.SER;},
function(d) { return d.FS;},
function(d) { return d.RU;},
function(d) { return MOYFormat(d.DOS);},
function(d) { return d.COMP;},
function(d) {return d.PAID;}

    ])
    .sortBy(function(d){ return d.STAFFID })
    .order(d3.ascending);

//render
dc.renderAll();

```

```

        //jQuery('<p> Event Dataset Records:' + size +
'</p>').appendTo('#APPENDME');

        //jQuery('<p>Script Completed.</p>').appendTo('#APPENDME');

        //      });
//      var BCounter = SumGroup()

        function print_filter(filter){
            var f=eval(filter);
            if (typeof(f.length) != "undefined") {}else{}
            if (typeof(f.top) != "undefined") {f=f.top(Infinity);}else{}
            if (typeof(f.dimension) != "undefined")
{f=f.dimension(function(d) { return "";}).top(Infinity);}else{}
            console.log(filter+" (" +f.length+" ) =
"+JSON.stringify(f).replace("[" , "[\n\t").replace(/\},/g , "{ ,\n\t").replace("]"
 , "\n]"));
        }

    }

</script>

</BODY>
</HTML>

```