

Oregon Health Plan - CY2008/09 Per Capita Cost Development
Bucketbook version 30
Created 7/19/2006

*****;

/*List of Ambulatory Surgical/Birthing Center Provider Id's */

Proc format ;

Value \$AscProv

'000186', '000366', '000455', '000489', '000581',
'000628', '000644', '000750', '000809', '007034',
'007638', '013813', '018031', '022751', '022917',
'023037', '024372', '027628', '027701', '027814',
'030887', '052089', '090072', '090492', '092594',
'092845', '100182', '100308', '100343', '100355',
'100398', '103283', '108027', '110684', '115618',
'121210', '121517', '123208', '124334', '127782',
'129007', '131495', '132485', '133764', '133918',
'135504', '135876', '136452', '136569', '138656',
'138797', '150987', '158905', '165037', '165067',
'165232', '165450', '165497', '165630', '167150',
'167491', '170654', '180224', '181537', '182509',
'183251', '187153', '187187', '198200', '208108',
'210399', '210546', '210810', '211565', '213447',
'213552', '213664', '213799', '227889', '232485',
'232855', '234850', '237655', '238133', '239968',
'243118', '262433', '262453', '262457', '262496',
'268695', '268707', '268892', '269582', '269786',
'269832', '269891', '274836', '274838', '275034',
'275090', '276318', '276649', '276767', '277843',
'277955', '278118', '278309', '287989', '287997',
'291630', '291716', '291976', '292227', '292332',
'292791', '293477', '293647', '294144', '297219',
'298045', '299326', '299417', '299481'='As/Bc'

Other = ' ' ;

Run;

/*List of Provider Billing Id's that have specialties CH, PS, PY, PX, PW, PN*/

Proc format ;

Value \$ProvSpec

'000694', '000767', '000922', '001169', '001979', '002027', '002886',
'004283', '004528', '004622', '005285', '007836', '007935', '009402',
'010152', '010921', '011408', '012430', '013169', '017939', '018333',
'018544', '022453', '022636', '022804', '022843', '022912', '022921',
'023112', '023192', '025205', '025411', '026398', '026542', '027024',
'028324', '028782', '029083', '029397', '029686', '030788', '031018',
'031091', '033621', '036892', '037288', '037676', '039045', '039433',
'040527', '040787', '041371', '041884', '042809', '042952', '043380',
'043547', '043872', '044342', '045062', '045455', '046040', '046060',
'047444', '047469', '047535', '047816', '049705', '052121', '052261',
'053830', '054515', '054734', '055017', '055421', '055488', '055975',
'056569', '056668', '057401', '057760', '058201', '058250', '058479',
'059803', '059964', '060223', '060405', '060728', '062146', '062158',
'062179', '062187', '062773', '062810', '063172', '063532', '063722',
'064519', '064535', '064964', '065040', '065487', '066154', '066647',

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'069562', '069851', '070362', '071191', '071667', '072413', '072751',
'073085', '073452', '073499', '073932', '073973', '074273', '075031',
'075036', '075098', '075275', '075452', '075747', '075882', '075940',
'076054', '076302', '076513', '078167', '078506', '082276', '083571',
'083576', '083972', '084207', '084686', '084744', '085548', '085998',
'086173', '087577', '093963', '095729', '095919', '098053', '100240',
'100282', '100325', '100594', '102681', '103143', '103150', '104596',
'105122', '106054', '106245', '106518', '109108', '110932', '111641',
'113092', '114181', '114900', '119321', '121426', '121632', '129951',
'129976', '130012', '130025', '130069', '130130', '130252', '130271',
'130305', '130703', '133991', '134032', '134152', '134380', '134855',
'135209', '135749', '136556', '136580', '136674', '136924', '136957',
'137927', '138072', '138158', '139436', '142224', '142901', '147728',
'148072', '148924', '149229', '149617', '149999', '150050', '150113',
'150171', '150204', '150244', '150308', '150333', '150335', '150365',
'150408', '150422', '150475', '150567', '150582', '150624', '150777',
'150949', '150959', '150995', '150996', '151069', '151101', '151231',
'151294', '151311', '154294', '155437', '155580', '156067', '158015',
'158599', '164973', '164993', '165002', '165175', '166561', '168641',
'170246', '170274', '171439', '173013', '173096', '173286', '177667',
'179648', '180299', '180653', '181172', '181230', '181613', '181928',
'184747', '189852', '192633', '195917', '196287', '199364', '201025',
'201079', '202812', '203216', '203273', '205336', '205419', '206714',
'207514', '208751', '210327', '210599', '212241', '213383', '213455',
'213705', '218073', '221952', '224964', '225896', '226804', '226866',
'226868', '226895', '226926', '227027', '227190', '227214', '227372',
'227419', '227431', '227536', '228049', '228890', '230250', '230367',
'232442', '232891', '233119', '233461', '234294', '237487', '237750',
'241182', '241976', '244475', '244897', '245043', '246124', '246264',
'246462', '255307', '257220', '262337', '262865', '263020', '263541',
'265454', '267286', '267724', '268524', '269126', '269625', '269676',
'274889', '274997', '275337', '275583', '276054', '276361', '277384',
'277845', '277849', '277865', '280412', '280990', '282723', '282913',
'283655', '285080', '286153', '286343', '286390', '286399', '286431',
'286446', '286460', '286490', '286542', '286549', '286631', '286657',
'286660', '286673', '286705', '286935', '286952', '286961', '287087',
'287132', '287155', '287204', '287331', '287429', '287557', '287691',
'287716', '287758', '287772', '287899', '287964', '288034', '288232',
'288259', '288354', '288437', '289645', '292526', '297445', '297596',
'297628', '297634', '297891', '299957', '299959'='ProvSpec';

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Run;

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/*List of all providers with CH and PS provider specialty*/
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Proc format ;
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Value $MhoSpec
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'000767', '000922', '001169', '001979', '002027', '002886',
'004528', '004622', '005285', '007836', '007935', '009402',
'010152', '010921', '011408', '012430', '013169',
'017939', '018333', '018544', '022453', '022804', '022912',
'022921', '023112', '023192', '025205',
'025411', '026542', '028324', '028782', '029397',
'029686', '030788', '031018', '031091',
'033621', '037288', '037676', '039045', '039433',
'040527', '041371', '041884', '042809', '042952',
'043380', '043547', '043872', '044342', '045062',
'045455', '046040', '047444', '047469', '047535',
'047816', '052121', '052261', '053830', '054515', '055017',

```

'055421', '055488', '055975', '056569', '057401',
'057760', '058250', '058479', '060405', '060728',
'062158', '062179', '062187', '062810', '063172',
'063532', '063722', '064519', '064535',
'064964', '065487', '066154', '066647', '069562', '069851',
'070362', '071191', '071667', '072413', '072751', '073085',
'073452', '073499', '073932', '073973', '075031',
'075036', '075098', '075275', '075452', '075882', '075940',
'076054', '076302', '076513', '078506',
'082276', '083576', '083972', '084207', '084686', '084744',
'085548', '085998', '086173', '095729', '095919',
'098053', '102681', '103143', '103150', '104596', '105122',
'106054', '106245', '106518', '110932', '111641', '113092',
'114181', '114900', '121426', '121632', '129951', '129976',
'130012', '130025', '130130', '130252', '130271', '130305',
'130703', '134032', '134152', '134380', '134855', '135209',
'136556', '136580', '136924', '137927', '138072', '138158',
'139436', '142224', '142901', '147728',
'148072', '148924', '149229', '149999', '150050',
'150113', '150204', '150244', '150308', '150333', '150335',
'150408', '150422', '150475', '150567', '150582', '150624',
'150777', '150995', '151069', '151101', '151294', '155437',
'155580', '158599', '164973', '164993', '165002', '165175',
'166561', '170246', '170274', '171439', '173013', '180299',
'180653', '181172', '181613', '181928', '184747', '189852',
'192633', '195917', '196287', '199364', '201025', '201079',
'202812', '203216', '203273', '205336', '206714', '208751',
'210327', '212241', '213383', '213455', '213705', '218073',
'221952', '226804', '226866', '226895', '226926', '227027',
'227372', '227419', '227431', '228049', '228890', '230250',
'230367', '232442', '232891', '233119', '233461', '234294',
'237487', '237750', '244475', '244897', '245043', '246124',
'246264', '255307', '257220', '262865', '263020', '263541',
'265454', '267286', '267724', '268524', '269126', '269625',
'274889', '274997', '275337', '275583', '276054', '277384',
'277845', '277849', '280412', '282723', '282913', '285080',
'286153', '286390', '286399', '286431', '286446', '286460',
'286490', '286542', '286549', '286631', '286657', '286673',
'286705', '286935', '286952', '286961', '287087', '287155',
'287204', '287331', '287557', '287691', '287716',
'287758', '287772', '287899', '287964', '287967', '288034',
'288232', '288259', '288354', '288437', '289645',
'292526', '297445', '297891', '299957', '299959', '022843',
'027024', '029083', '036892', '040787', '049705', '054734',
'056668', '058201', '059803', '059964', '060223', '062773',
'071373', '074273', '075747', '078167', '083571', '093963',
'100594', '109108', '119321', '130069', '135749', '136674',
'136957', '150171', '150365', '150996', '151231', '151311',
'156067', '158015', '168641', '173096', '177667', '181230',
'207514', '225896', '227214', '227536', '241182', '241976',
'262337', '269676', '283655', '286343', '286660',
'287132', '287429', '297596'='MhoSpec';

Run;

/*Truncation of ICD9 and Surgical Procedure codes for use in bucketing*/

Data Aqc0709;

Set Aqc0709;

_Icd91_4 = Substr(CodeDiagCondMed11, 1, 4) ;

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_Icd92_4 = Substr(CodeDiagCondMedl2, 1, 4) ;
_Icd93_4 = Substr(CodeDiagCondMedl3, 1, 4) ;
_Icd94_4 = Substr(CodeDiagCondMedl4, 1, 4) ;
_Icd95_4 = Substr(CodeDiagCondMedl5, 1, 4) ;
_Icd91_3 = Substr(CodeDiagCondMedl1, 1, 3) ;
_Icd92_3 = Substr(CodeDiagCondMedl2, 1, 3) ;
_Icd93_3 = Substr(CodeDiagCondMedl3, 1, 3) ;
_Icd94_3 = Substr(CodeDiagCondMedl4, 1, 3) ;
_Icd95_3 = Substr(CodeDiagCondMedl5, 1, 3) ;
If length(CodeServProcSurg1) > 5 then CodeServProcSurg1='' ;
If length(CodeServProcSurg2) > 5 then CodeServProcSurg1='' ;
If length(CodeServProcSurg3) > 5 then CodeServProcSurg1='' ;
_CodeServProcSurg1_3 = Substr(CodeServProcSurg1, 1, 3) ;
_CodeServProcSurg2_3 = Substr(CodeServProcSurg2, 1, 3) ;
_CodeServProcSurg3_3 = Substr(CodeServProcSurg3, 1, 3) ;
*DROP _; ; /* Gets rid of all diagnosis code substring fields */
Run;

/* Sorts data by claim type to separate dataset in the next step*/
Proc sort data=Aqc0709;
  By CodeTypeRecClm;
Run;

/*Buckets Inpatient Claims */
Data Aqc0709;
  Set Aqc0709;
  If CodeTypeRecClm in ('I', 'X') then do;
    If CodeDrg = '374' /*FLAGS STERIL/MATERNITY CODEDRG
CODE*/
      Then do;
        BucketSasDesc = 'Ip-CodeDrg 374          ';
        Goto Found;
      End;
    If ('683 ' <= CodeServProcSurg1 <= '6859' or
'683 ' <= CodeServProcSurg2 <= '6859' or
'683 ' <= CodeServProcSurg3 <= '6859' or
_CodeServProcSurg1_3 = '689' or
_CodeServProcSurg2_3 = '689' or
_CodeServProcSurg3_3 = '689')
      Then do;
        BucketSasDesc = 'Hyster-Ip Hosp          ';
        Goto Found;
      End;
    If ('635 ' <= _Icd91_4 <= '6389')
      Then do;
        BucketSasDesc = 'Ther Abort-Ip Hosp          ';
        Goto Found;
      End;
    If (('630 ' <= CodeDiagCondMedl1 <= '63492' or
'640 ' <= CodeDiagCondMedl1 <= '67694' or
_Icd91_4 = 'V252') and
(CodeServProcSurg1 = '6373' or
CodeServProcSurg2 = '6373' or
CodeServProcSurg3 = '6373' or
'662 ' <= CodeServProcSurg1 <= '6639' or
'662 ' <= CodeServProcSurg2 <= '6639' or
'662 ' <= CodeServProcSurg3 <= '6639'))

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        Then do;
        If CodeSex='M' then BucketSasDesc = 'Steril-Ip Hosp M
';

        Else BucketSasDesc='Steril-Ip Hosp F
';
        Goto Found;
        End;
    If (CodeFfsPhp='P' and CodeInstRevCent = '901' and
        NmbrIdProvPnt in ('165280', '165098', '129721', '158651',
'129853',
                                '165300', '165271', '165107',
'165319', '181632', '170912')) or
        (CodeFfsPhp='P' and '6483' <= _Icd91_4 <= '6484' and
        NmbrIdProvPnt in ('165280', '165098', '129721', '158651',
'129853', '165300',
                                '165271', '165107', '165319',
'181632', '170912')) or
        (CodeFfsPhp='F' and CodeInstRevCent = '901') or
        (CodeFfsPhp='F' and '6483' <= _Icd91_4 <= '6484')
        Then do;
        BucketSasDesc = 'Mh-Acute Ip
';
        Goto Found;
        End;
    If ('V250' <= _Icd91_4 <= 'V251' or
        'V253' <= _Icd91_4 <= 'V259' or
        'V263' <= _Icd91_4 <= 'V269')
        Then do;
        BucketSasDesc = 'Fp-Ip Hosp
';
        Goto Found;
        End;
    If ((CodeTypeProvBill in('HO', 'NF'))
        and ('184' <= CodeInstRevCent <= '185' or
            '550' <= CodeInstRevCent <= '559')
        and (_Icd91_3 < '635' or _Icd91_4 > '6389')
        and _Icd91_4 ne 'V617'
        and _Icd91_4 ne 'V252'
        and not('683' le _CodeServProcSurg1_3 le '688')
        and not('683' le _CodeServProcSurg2_3 le '688')
        and not('683' le _CodeServProcSurg3_3 le '688')
        and _CodeServProcSurg1_3 ne '689'
        and _CodeServProcSurg2_3 ne '689'
        and _CodeServProcSurg3_3 ne '689')
        Then do;
        BucketSasDesc = 'Ip-Post Hosp Ext Care
';
        Goto Found;
        End;
    If (CodeInstRevCent in('229', '309', '424', '434', '918', '919')
        and _Icd91_4 = 'V688')
    Then do;
        BucketSasDesc = 'Admin Exams
';
        Goto Found;
        End;
    If ('370' <= CodeDrg <= '384')
    Then do;
        BucketSasDesc = 'Ip-Maternity
';
        Goto Found;
        End;
    If ('385' <= CodeDrg <= '391' or

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'801' <= CodeDrg <= '810')
Then do;
    BucketSasDesc = 'Ip-Newborn                ' ;
    Goto Found;
    End;
If (CodeFfsPhp='P' and ('424' <= CodeDrg <= '432' or
('290' <= _Icd91_3 <= '319' or
'290' <= _Icd92_3 <= '319' or
'290' <= _Icd93_3 <= '319' or
'290' <= _Icd94_3 <= '319' or
'290' <= _Icd95_3 <= '319')) and
NnbrIdProvPnt in ('165098', '129721', '158651', '129853',
'165300', '165271', '165107',
'165319',
'181632', '165280', '170912')) or
(CodeFfsPhp='F' and
('424' <= CodeDrg <= '432' or
('290' <= _Icd91_3 <= '319' or
'290' <= _Icd92_3 <= '319' or
'290' <= _Icd93_3 <= '319' or
'290' <= _Icd94_3 <= '319' or
'290' <= _Icd95_3 <= '319'))))
Then do;
    BucketSasDesc = 'Mh-Acute Ip                ' ;
    Goto Found;
    End;
If ('433' <= CodeDrg <= '437') or
CodeDrg in('521', '522', '523')
Then do;
    BucketSasDesc = 'Ip-Acute Detox            ' ;
    Goto Found;
    End;
If ('001' <= CodeDrg <= '369' or
'392' <= CodeDrg <= '423' or
'439' <= CodeDrg <= '603')
Then do;
    BucketSasDesc = 'Ip-Med/Surg                ' ;
    Goto Found;
    End;
BucketSasDesc= 'Zip Unbucketed                ' ;
Goto Found;
End;
***Outpatient***;
Else if CodeTypeRecClm in ('O', 'Y') then do;
    If ('635' <= _Icd91_4 <= '6389')
    Then do;
        BucketSasDesc = 'Ther Abort-Op Hosp    ' ;
        Goto Found;
        End;
    If ('683 ' <= CodeServProcSurg1 <= '6859' or
'683 ' <= CodeServProcSurg2 <= '6859' or
'683 ' <= CodeServProcSurg3 <= '6859' or
        _CodeServProcSurg1_3 = '689' or
        _CodeServProcSurg2_3 = '689' or
        _CodeServProcSurg3_3 = '689')
    Then do;
        BucketSasDesc = 'Hyster-Op Hosp        ' ;

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        Goto Found;
    End;
    If ('630 ' <= CodeDiagCondMedl1 <= '63492' or
        '640 ' <= CodeDiagCondMedl1 <= '67694' or
            _Icd91_4 = 'V252') and
    ('662 ' <= CodeServProcSurg1 <= '6639' or
        '662 ' <= CodeServProcSurg2 <= '6639' or
        '662 ' <= CodeServProcSurg3 <= '6639' or
            CodeServProcSurg1 = '6373' or
            CodeServProcSurg2 = '6373' or
            CodeServProcSurg3 = '6373')
        Then do;
    If CodeSex='M' Then BucketSasDesc = 'Steril-Op Hosp M      ' ;
        Else BucketSasDesc='Steril-Op Hosp F      ' ;
        Goto Found;
    End;
    If ('V25 ' <= _Icd91_4 <= 'V251' or
        'V253' <= _Icd91_4 <= 'V259' or
        'V263' <= _Icd91_4 <= 'V269')
    Then do;
        BucketSasDesc = 'Fp-Op Hosp      ' ;
        Goto Found;
    End;
    If (('250' <= CodeInstRevCent <= '259') and
        ('290' <= _Icd91_3 <= '319' or
        'V79 ' <= _Icd91_4 <= 'V799'))
    Then do;
        BucketSasDesc = 'Op-Pres Drugs Mh      ' ;
        Goto Found;
    End;
    If ('250' <= CodeInstRevCent <= '259')
    Then do;
        BucketSasDesc = 'Op-Pres Drugs Basic      ' ;
        Goto Found;
    End;
    If (CodeTypeProvBill in('HO', 'NF')) and
        ('184' <= CodeInstRevCent <= '185' or
        '550' <= CodeInstRevCent <= '559') and
        (_Icd91_3 < '635' or _Icd91_4 > '6389') and
        _Icd91_4 ne 'V617' and
        _Icd91_4 ne 'V252' and not
        ('683' le _CodeServProcSurg1_3 le '688') and not
        ('683' le _CodeServProcSurg2_3 le '688') and not
        ('683' le _CodeServProcSurg3_3 le '688') and
        _CodeServProcSurg1_3 ne '689' and
        _CodeServProcSurg2_3 ne '689' and
        _CodeServProcSurg3_3 ne '689'
    Then do;
        BucketSasDesc = 'Op-Post Hosp Ext Care      ' ;
        Goto Found;
    End;
    If CodeFfsPhp='F' and CodeInstRevCent in('229','424','434','500',
'918','919') and
        _Icd91_4 = 'V688' and
        ('ADM01' <= CodeProcServProf <= 'ADM14' or
        'PIN01' <= CodeProcServProf <= 'PIN03' or
        '99455' <= CodeProcServProf <= '99456' or

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'S9981' <= CodeProcServProf <= 'S9982' or
CodeProcServProf in('54240', '90801', '96100','97750','99080',
'99172'))

Then do;
BucketSasDesc = 'Admin Exams          ' ;
Goto Found;
End;
If ('MCM01' <= CodeProcServProf <= 'MCM11' or
'G9001' <= CodeProcServProf <= 'G9002' or
'G9005' <= CodeProcServProf <= 'G9006' or
'G9009' <= CodeProcServProf <= 'G9012' or
CodeProcServProf in('S9470'))
Then do;
BucketSasDesc = 'Oth Med-Mat Mgt          ' ;
Goto Found;
End;
If (('900' <= CodeInstRevCent <= '919') and
(
_Icd91_3 = '290' or
'293' <= _Icd91_3 <= '302' or
'306' <= _Icd91_3 <= '316' or
'V701' <= _Icd91_4 <= 'V702' or
'V710 ' <= CodeDiagCondMed11 <= 'V7109'))
Then do;
BucketSasDesc = 'Mh-Other Op          ' ;
Goto Found;
End;
If (('450' <= CodeInstRevCent <= '452' or
CodeInstRevCent = '981') and
(
_Icd91_3 = '290' or
'293' <= _Icd91_3 <= '302' or
'306' <= _Icd91_3 <= '316' or
'V701' <= _Icd91_4 <= 'V702' or
'V710 ' <= CodeDiagCondMed11 <= 'V7109') and
'99281' <= CodeProcServProf <= '99285')
Then do;
BucketSasDesc = 'Op-Er Somatic Mh          ' ;
Goto Found;
End;
If (('270' <= CodeInstRevCent <= '272') and
CodeTypeProvBill = 'HH') or
CodeInstRevCent
in('421','424','431','434','441','444','551','559') or
'570' <= CodeInstRevCent <= '600'
Then do;
BucketSasDesc = 'Oth Med-Hhc/Pdn          ' ;
Goto Found;
End;
If ('650' <= CodeInstRevCent <= '652' or
'655' <= CodeInstRevCent <= '657' or
CodeInstRevCent = '659')
Then do;
BucketSasDesc = 'Oth Med-Hospice          ' ;
Goto found;
End;
If '540' <= CodeInstRevCent <= '549'
Then do;
BucketSasDesc = 'Trans-Ambul          ' ;

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        Goto Found;
    End;
If (('110' <= CodeInstRevCent <= '539' or
'560' <= CodeInstRevCent <= '569' or
'610' <= CodeInstRevCent <= '649' or
'660' <= CodeInstRevCent <= '999') and
('630' <= CodeDiagCondMedl1 <= '63492' or
'640' <= CodeDiagCondMedl1 <= '67694' or
'V22 ' <= _ICD91_4 <= 'V242'))
Then do;
    BucketSasDesc = 'Op-Maternity          ' ;
    Goto Found;
    End;
If '303' <= CodeDiagCondMedl1 <= '305' and
    (CodeProcServProf in('90849', '90887', 'BA321', 'BA340',
'H0048', 'T1006' 'T1013') or
                                '97780' le CodeProcServProf le '97781'
or
                                'BA310' le CodeProcServProf le 'BA313'
or
                                'BA317' le CodeProcServProf le 'BA319'
or
                                'BA350' le CodeProcServProf le 'BA353'
or
                                'H0001' le CodeProcServProf le 'H0002'
or
                                'H0004' le CodeProcServProf le
'H0005') or
                                (CodeModProcServ1='HF' and
    CodeProcServProf in('H0006', 'H0012', '97810', '97811',
'97813', '97814'))
Then do;
    BucketSasDesc = 'Cd-Op          ' ;
    Goto Found;
    End;
If (('110' <= CodeInstRevCent <= '539' or
'560' <= CodeInstRevCent <= '569' or
'610' <= CodeInstRevCent <= '649' or
'660' <= CodeInstRevCent <= '890' or
'920' <= CodeInstRevCent <= '960' or
'962' <= CodeInstRevCent <= '999') and
(
    _Icd91_3 = '290' or
'293' <= _Icd91_3 <= '302' or
'306' <= _Icd91_3 <= '316'))
Then do;
    BucketSasDesc = 'Op-Somatic Mh          ' ;
    Goto Found;
    End;
If CodeInstRevCent in('450', '451', '452', '459')
Then do;
    BucketSasDesc = 'Op-Er          ' ;
    Goto Found;
    End;
If ('70000' le CodeProcServProf le '89999' or
    substr(CodeProcServProf,1,1) in('P','R') or
(CodeProcServProf='' and

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                ('300' le CodeInstRevCent le '359' or CodeInstRevCent=: '61'))
and
    indexc(substr(CodeProcServProf,2,4),'abcdefghijklmnopqrstuvwxyz')=0
Then do;
    BucketSasDesc = 'Op-Lab/Xray' ;
    Goto Found;
End;
BucketSasDesc = 'Op-Basic' ; *Unbucketed Claims;
Goto Found;
End;
/*Buckets Dental Claims*/
Else if CodeTypeRecClm in ('L')then do;
    If substr(CodeProcServProf,1,1) notin('0','D')
    Then do;
        BucketSasDesc = 'ZDental Not Covered' ;
        Goto Found;
        End;
        Else substr(CodeProcServProf,1,1)='D' ;
    If ('D0100' <= CodeProcServProf <= 'D0999')
    Then do;
        BucketSasDesc = 'Dental-Diag' ;
        Goto Found;
        End;
    If ('D1000' <= CodeProcServProf <= 'D1999')
    Then do;
        BucketSasDesc = 'Dental-Prevent' ;
        Goto Found;
        End;
    If ('D2000' <= CodeProcServProf <= 'D2999')
    Then do;
        BucketSasDesc = 'Dental-Restore' ;
        Goto Found;
        End;
    If ('D3000' <= CodeProcServProf <= 'D3999')
    Then do;
        BucketSasDesc = 'Dental-Endo' ;
        Goto Found;
        End;
    If ('D4000' <= CodeProcServProf <= 'D4999')
    Then do;
        BucketSasDesc = 'Dental-Perio' ;
        Goto Found;
        End;
    If ('D5000' <= CodeProcServProf <= 'D5899')
    Then do;
        BucketSasDesc = 'Dental-Pros Remov' ;
        Goto Found;
        End;
    If ('D6000' <= CodeProcServProf <= 'D6999')
    Then do;
        BucketSasDesc = 'Dental-I/P Fixed' ;
        Goto Found;
        End;
    If CodeProcServProf in ('D7111', 'D7120', 'D7140', 'D7220', 'D7230',
'D7250',
                                'D7270', 'D7272', 'D7280', 'D7465',
'D7485', 'D7510',

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'D7560', 'D7610',
'D7660', 'D7710',
'D7760', 'D7840',
'D7858', 'D7860',
'D7899', 'D7940',
'D7960', 'D7963',
'D7520', 'D7530', 'D7540', 'D7550',
'D7620', 'D7630', 'D7640', 'D7650',
'D7720', 'D7730', 'D7740', 'D7750',
'D7850', 'D7852', 'D7854', 'D7856',
'D7865', 'D7870', 'D7877', 'D7880',
'D7941', 'D7943', 'D7953', 'D7955',

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'D7999') or
('D7240' <= CodeProcServProf <= 'D7241' or
'D7260' <= CodeProcServProf <= 'D7261' or
'D7282' <= CodeProcServProf <= 'D7283' or
'D7285' <= CodeProcServProf <= 'D7288' or
'D7290' <= CodeProcServProf <= 'D7291' or
'D7310' <= CodeProcServProf <= 'D7311' or
'D7320' <= CodeProcServProf <= 'D7321' or
'D7410' <= CodeProcServProf <= 'D7415' or
'D7460' <= CodeProcServProf <= 'D7461' or
'D7471' <= CodeProcServProf <= 'D7473' or
'D7670' <= CodeProcServProf <= 'D7671' or
'D7770' <= CodeProcServProf <= 'D7771' or
'D7910' <= CodeProcServProf <= 'D7911' or
'D7943' <= CodeProcServProf <= 'D7949' or
'D7970' <= CodeProcServProf <= 'D7972' or
'D7990' <= CodeProcServProf <= 'D7991' or
'D7995' <= CodeProcServProf <= 'D7997')
Then do;
    BucketSasDesc = 'Dental-Oral Surgery' ;
    Goto Found;
End;
If ('D8000' <= CodeProcServProf <= 'D8999')
Then do;
    BucketSasDesc = 'Dental-Ortho' ;
    Goto Found;
End;
If ('D9213' <= CodeProcServProf <= 'D9248' or
CodeProcServProf in('D9210', 'D9630'))
Then do;
    BucketSasDesc = 'Dental-Anes' ;
    Goto Found;
End;
BucketSasDesc = 'Dental-Adjunctive Gen' ; *Unbucketed claims;
Goto Found;
End;
/*Buckets Professional Claims*/
Else if CodeTypeRecClm in ('M', 'W') then do;
    If length (CodeProcServProf) < 5 Then CodeProcServProf='';
    If CodeModProcServ1='HK'
    Then do;
        BucketSasDesc = 'ZMh Non Ohp Svces' ;
        Goto Found;
    End;
    If ('H0009' <= CodeProcServProf <= 'H0013')

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        Then do;
        BucketSasDesc = 'Cd-Alt to Acute Detox      ' ;
        Goto Found;
        End;
If (PUT(NmbrIdProvBill,$AscProv.)='As/Bc' and
    (('TAS05' <= CodeProcServProf <= 'TAS08' or
     CodeProcServProf = 'ANE09' or
     '59840' <= CodeProcServProf <= '59857') and
     '635 ' <= _Icd91_4 <= '6389'))
Then do;
    BucketSasDesc = 'Ther Abort-Op Hosp          ' ;
    Goto Found;
    End;
If (PUT(NmbrIdProvBill,$AscProv.) ne 'As/Bc' and
    (('635 ' <= _ICD91_4 <= '6389' and
     CodeProcServProf in('01966', '59200', 'S0190', 'S0191') or
     ('TAS01' <= CodeProcServProf <= 'TAS08' or
     '50190' <= CodeProcServProf <= '50191' or
     '52265' <= CodeProcServProf <= '52267' or
     '59840' <= CodeProcServProf <= '59857' or
     CodeProcServProf in('ANE09', '01964', '50199', '58200',
'59200', 'S0199')))))
Then do;
    BucketSasDesc = 'Ther Abort-Phys            ' ;
    Goto Found;
    End;
If ((_Icd91_4 = 'V252' or
    _Icd92_4 = 'V252' or
    _Icd93_4 = 'V252' or
    _Icd94_4 = 'V252' or
    _Icd95_4 = 'V252') and
    (CodeProcServProf in('00840', '00850', '00851', '00869', '00921',
'ANE01'))))
Then do;
    If CodeSex='M' then BucketSasDesc = 'Steril-Anes M          ' ;
;
    Else BucketSasDesc = 'Steril-Anes F            ' ;
    Goto Found;
    End;
If CodeProcServProf in('00846', '00855', '00944', '01962', '01963',
'01969', 'ANE02')
Then do;
    BucketSasDesc = 'Hyster-Anes                ' ;
    Goto Found;
    End;
If 'ANE04' <= CodeProcServProf <= 'ANE05' or
'D9220' <= CodeProcServProf <= 'D9221'
Then do;
    BucketSasDesc = 'Op-Dental Anes            ' ;
    Goto Found;
    End;
If ('00100' <= CodeProcServProf <= '00103' or
    '00120' <= CodeProcServProf <= '00844' or
    '00850' <= CodeProcServProf <= '00851' or
    '00864' <= CodeProcServProf <= '00866' or
    '00872' <= CodeProcServProf <= '00873' or
    '00920' <= CodeProcServProf <= '00942' or

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'00950' <= CodeProcServProf <= '01953' or
'01960' <= CodeProcServProf <= '01961' or
'01967' <= CodeProcServProf <= '01968' or
'01990' <= CodeProcServProf <= '01999' or
'99100' <= CodeProcServProf <= '99142' or
'D9210' <= CodeProcServProf <= 'D9248') or
CodeProcServProf in('00848', '00857', '00860', '00862',
'00868', '00870',
'00880', '00882', '00900', '00902',
'00904', '00906',
'00910', '00912', '00914', '00916',
'00918', '00946',
'00948', '01965', 'D7110', 'D7120')
Then do;
BucketSasDesc = 'Anesthesia ' ;
Goto Found;
End;
If CodeProcServProf = '00104'
Then do;
BucketSasDesc = 'Mh-Phys Ip ' ;
Goto Found;
End;
If (PUT(NmbrIdProvBill,$AscProv.)='As/Bc' or CodeModProcServ1 =
'SG') and
('11975' <= CodeProcServProf <= '11977' or
'58300' <= CodeProcServProf <= '58301' or
'99380' <= CodeProcServProf <= '99387' or
'99390' <= CodeProcServProf <= '99397' or
'99401' <= CodeProcServProf <= '99404' or
'A4260' <= CodeProcServProf <= 'A4261' or
'A4266' <= CodeProcServProf <= 'A4269' or
'FPS01' <= CodeProcServProf <= 'FPS04' or
'FPS10' <= CodeProcServProf <= 'FPS17' or
CodeProcServProf in('A4649', 'J1055', 'J7300', 'J7302', 'J7303',
'J7304',
'S4981', 'S4989', 'S4993', 'T1015'))
Then do;
BucketSasDesc = 'Fp-Op Hosp ' ;
Goto Found;
End;
If ('11975' <= CodeProcServProf <= '11977' or
'58300' <= CodeProcServProf <= '58301' or
'A4260' <= CodeProcServProf <= 'A4261' or
'A4266' <= CodeProcServProf <= 'A4269' or
'FPS01' <= CodeProcServProf <= 'FPS04' or
'FPS10' <= CodeProcServProf <= 'FPS18' or
'J1055' <= CodeProcServProf <= 'J1056' or
CodeProcServProf in('57170', 'FPS18', 'J7300', 'J7302', 'J7303',
'J7304',
'S4663', 'S4981', 'S4989', 'S4993',
'T1015'))
Then do;
BucketSasDesc = 'Fp-Phys ' ;
Goto Found;
End;

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If ((PUT(NmbrIdProvBill,$AscProv.)='As/Bc' or CodeModProcServ1 =
'SG') and
      (CodeProcServProf in('55250', '55450', '58565') or
'58600' <= CodeProcServProf <= '58615' or
'58670' <= CodeProcServProf <= '58671'))
Then do;
      If CodeSex='M' then BucketSasDesc = 'Steril-Op Hosp M
';

      Else BucketSasDesc = 'Steril-Op Hosp F
';
      Goto Found;
      End;
If (CodeProcServProf in('55250', '55450') or
'58600' <= CodeProcServProf <= '58615' or
'58670' <= CodeProcServProf <= '58671')
Then do;
      If CodeSex='M' then BucketSasDesc = 'Steril-Phys M
';

      Else BucketSasDesc='Steril-Phys F
';
      Goto Found;
      End;
If ((PUT(NmbrIdProvBill,$AscProv.)='As/Bc' or CodeModProcServ1 =
'SG') and
      (CodeProcServProf in('56308','59525') or
'58550' <= CodeProcServProf <= '58554' or
'58150' <= CodeProcServProf <= '58294'))
Then do;
      BucketSasDesc = 'Hyster-Op Hosp
';
      Goto Found;
      End;
If (CodeProcServProf in('56308', '59525') or
'58550' <= CodeProcServProf <= '58554' or
'58150' <= CodeProcServProf <= '58294')
Then do;
      BucketSasDesc = 'Hyster-Phys
';
      Goto Found;
      End;
If ((CodeTypeProvPerDet in('AS','BC') or CodeModProcServ1 = 'SG')
and
      ('630 ' <= CodeDiagCondMedl1 <= '63492' or
'640 ' <= CodeDiagCondMedl1 <= '67694' or
'V22 ' <= _ICD91_4 <= 'V242'))
Then do;
      BucketSasDesc = 'Op-Maternity
';
      Goto Found;
      End;
If (CodeModProcServ1 ne 'SG' and
      ('10040' <= CodeProcServProf <= '11971' or
'11980' <= CodeProcServProf <= '55200' or
'55300' <= CodeProcServProf <= '55400' or
'55500' <= CodeProcServProf <= '57170' or
'60000' <= CodeProcServProf <= '69990' or
'93501' <= CodeProcServProf <= '93581' or
'93600' <= CodeProcServProf <= '93662' or
'G0051' <= CodeProcServProf <= 'G0052' or
CodeProcServProf = 'G0055' or
'57180' <= CodeProcServProf <= '58146' or
'58321' <= CodeProcServProf <= '58546' or

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CodeProcServProf = '58551' or
'58555' <= CodeProcServProf <= '58579' or
'58660' <= CodeProcServProf <= '58662' or
'58672' <= CodeProcServProf <= '58999' or
CodeProcServProf = 'G0159' or
CodeProcServProf = 'G0364' or
'10021' <= CodeProcServProf <= '10022' or
'D7000' <= CodeProcServProf <= 'D7999') and
/*Create index function to exclude claims with alpha-numeric
CPT's that are within
the correct ranges, but are erroneously categorized as
surgery-type claims*/
INDEXC(substr(CodeProcServProf, 2,
4), 'ABCDEFGHIJKLMNOPQRSTUVWXYZ')=0)
Then do;
BucketSasDesc = 'Surgery' ;
Goto Found;
End;
If ('59000' <= CodeProcServProf <= '59830' or
'59866' <= CodeProcServProf <= '59899' or
'MCD01' <= CodeProcServProf <= 'MCD04') /*Maternity Dx not required
for CodeProcServProf codes above*/
Then do;
BucketSasDesc = 'Phys-Maternity' ;
Goto Found;
End;
If (('630 ' <= CodeDiagCondMedl1 <= '63492' or
'640 ' <= CodeDiagCondMedl1 <= '67694' or
'V22 ' <= _ICD91_4 <= 'V242') and
('99201' <= CodeProcServProf <= '99440' or
'90801' <= CodeProcServProf <= '90899' or
'92002' <= CodeProcServProf <= '92014' or
'97001' <= CodeProcServProf <= '97004' or
'D0120' <= CodeProcServProf <= 'D0170' or
'H0001' <= CodeProcServProf <= 'H0030' or
'IHC01' <= CodeProcServProf <= 'IHC11' or
('9500M' <= CodeProcServProf <= '9600M' and
substr(CodeProcServProf, 5, 1) = 'M') or
CodeProcServProf in('90471', '99499') or
CodeProcServProf in('CMS01', 'FQH01', 'FQ600', 'G0363',
'IH500', 'M0064', 'Q0034'
'RHC01', 'RH555')) /*Maternity
Dx are required for CodeProcServProf codes above*/
Then do;
BucketSasDesc = 'Phys-Maternity' ;
Goto Found;
End;
If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
'129853', '165300', '165271', '165107', '165319',
'181632', '170912') and
('90870' <= CodeProcServProf <= '90871')) or
(CodeFfsPhp='F' and
'90870' <= CodeProcServProf <= '90871')
Then do;
BucketSasDesc = 'Mh-Other Op' ;
Goto Found;

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        End;
        If ((CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
                '129853', '165300', '165271', '165107', '165319',
                '181632', '170912')) or CodeFfsPhp='F') and
            (((CodeTypeProvPerDet = 'MC' or
            CodeTypeProvPerDet = 'HA' or
            CodeTypeProvPerDet = ' ') and
            (
                _Icd91_3 = '290' or
                '293' <= _Icd91_3 <= '302' or
                '306' <= _Icd91_3 <= '316' or
                'V701 ' <= _Icd91_4 <= 'V702' or
                'V710 ' <= CodeDiagCondMedl1 <= 'V7109') and
            ('90816' <= CodeProcServProf <= '90829' or
            '90870' <= CodeProcServProf <= '90871' or
            '99217' <= CodeProcServProf <= '99223' or
            '99231' <= CodeProcServProf <= '99239' or
            '99251' <= CodeProcServProf <= '99255' or
            '99261' <= CodeProcServProf <= '99263' or
            '99271' <= CodeProcServProf <= '99275' or
            '99281' <= CodeProcServProf <= '99285' or
            'G0071' <= CodeProcServProf <= 'G0094' or
            CodeProcServProf in('90862', '90882', '90885', '90887', 'CMS01',
'M0064')))) or
            ((CodeTypeProvPerDet = 'MD') and put(NmbrIdProvPerDet, $ProvSpec.) =
'ProvSpec' and
            (
                _Icd91_3 = '290' or
                '293' <= _Icd91_3 <= '302' or
                '306' <= _Icd91_3 <= '316' or
                'V701 ' <= _Icd91_4 <= 'V702' or
                'V710 ' <= CodeDiagCondMedl1 <= 'V7109') and
            ('90816' <= CodeProcServProf <= '90829' or
            '90870' <= CodeProcServProf <= '90871' or
            '99217' <= CodeProcServProf <= '99223' or
            '99231' <= CodeProcServProf <= '99239' or
            '99251' <= CodeProcServProf <= '99255' or
            '99261' <= CodeProcServProf <= '99263' or
            '99271' <= CodeProcServProf <= '99275' or
            '99281' <= CodeProcServProf <= '99285' or
            'G0071' <= CodeProcServProf <= 'G0094' or
            CodeProcServProf in('90862', '90882', '90885', '90887', 'CMS01',
'G0363', 'M0064'))))
        Then do;
            BucketSasDesc = 'Mh-Phys Ip          ' ;
            Goto Found;
        End;
        If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
                '129853', '165300', '165271', '165107', '165319',
                '181632', '170912') or CodeFfsPhp='F')and
            ((CodeTypeProvPerDet = 'MD') and put(NmbrIdProvPerDet,
$ProvSpec.) = 'ProvSpec' and
            (
                _Icd91_3 = '290' or
                '293' <= _Icd91_3 <= '302' or
                '306' <= _Icd91_3 <= '316' or
                'V701 ' <= _Icd91_4 <= 'V702' or
                'V710 ' <= CodeDiagCondMedl1 <= 'V7109') and

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('90801' <= CodeProcServProf <= '90815' or
'90845' <= CodeProcServProf <= '90899' or
CodeProcServProf = '90901' or
'99201' <= CodeProcServProf <= '99220' or
'99234' <= CodeProcServProf <= '99236' or
'99241' <= CodeProcServProf <= '99245' or
'99271' <= CodeProcServProf <= '99285' or
'99311' <= CodeProcServProf <= '99429' or
'G0071' <= CodeProcServProf <= 'G0094' or
CodeProcServProf in('CMS01', 'M0064'))
Then do;
    BucketSasDesc = 'Mh-Phys Op          ' ;
    Goto Found;
End;
If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
    '129853', '165300', '165271', '165107', '165319',
    '181632', '170912') or CodeFfsPhp='F')and
(((CodeTypeProvPerDet = 'MC' or
CodeTypeProvPerDet = 'PY' or
CodeTypeProvPerDet = 'SC') and
(
    _Icd91_3 = '290' or
'293' <= _Icd91_3 <= '302' or
'306' <= _Icd91_3 <= '316' or
'V701' <= _Icd91_4 <= 'V702' or
'V710' <= CodeDiagCondMedl1 <= 'V7109') and
('90801' <= CodeProcServProf <= '90815' or
'90845' <= CodeProcServProf <= '90899' or
CodeProcServProf = '90901' or
'99201' <= CodeProcServProf <= '99220' or
'99234' <= CodeProcServProf <= '99236' or
'99241' <= CodeProcServProf <= '99245' or
'99271' <= CodeProcServProf <= '99285' or
'99311' <= CodeProcServProf <= '99429' or
'G0071' <= CodeProcServProf <= 'G0094' or
CodeProcServProf in('CMS01', 'M0064', 'H0010'))))
Then do;
    BucketSasDesc = 'Mh-Phys Op          ' ;
    Goto Found;
End;
If (CodeTypeProvPerDet ne 'MC' and
('290' <= _ICD91_3 <= '302' or
'306' <= _ICD91_3 <= '316'))
Then do;
    BucketSasDesc = 'Phys-Somatic Mh          ' ;
    Goto Found;
End;
If (CodeTypeProvPerDet ne 'MC') and
('V701' <= _ICD91_4 <= 'V702' or
'V710' <= CodeDiagCondMedl1 <= 'V7109' or
_Icd91_3 = '290' or
'293' <= _Icd91_3 <= '302' or
'306' <= _Icd91_3 <= '316') and
('85007' <= CodeProcServProf <= '85076' or
'90801' <= CodeProcServProf <= '90865' or
'90875' <= CodeProcServProf <= '90899' or
'96100' <= CodeProcServProf <= '96117' or

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'99201' <= CodeProcServProf <= '99499') or
CodeProcServProf in('CMS01', 'G0081', 'G0091', 'G0363', 'M0064')
Then do;
    BucketSasDesc = 'Phys-Somatic Mh          ' ;
    Goto Found;
End;
If (CodeTypeProvPerDet ne 'MC' and
    not('290' <= _Icd91_3 <= '302') and
not('306' <= _Icd91_3 <= '316') and
('99217' <= CodeProcServProf <= '99239' or
'99241' <= CodeProcServProf <= '99275' or
'99281' <= CodeProcServProf <= '99299'))
Then do;
    BucketSasDesc = 'Phys-Consultation Ip/Er ' ;
    Goto Found;
End;
If (CodeTypeProvPerDet ne 'MC') and put(NmbrIdProvPerDet,
$ProvSpec.) ne 'ProvSpec' and
    (not('290' <= _Icd91_3 <= '302') and
not('306' <= _Icd91_3 <= '316')) and
('99217' <= CodeProcServProf <= '99292')
Then do;
    BucketSasDesc = 'Phys-Consultation Ip/Er ' ;
    Goto Found;
End;
If ('92002' <= CodeProcServProf <= '92065' or
'92081' <= CodeProcServProf <= '92287' or
CodeProcServProf in('92499', '99173', 'S0820', 'VTP01'))
Then do;
    BucketSasDesc = 'Vision-Exams          ' ;
    Goto Found;
End;
If ('92310' <= CodeProcServProf <= '92396' or
'VIS01' <= CodeProcServProf <= 'VIS52' or
'VIS81' <= CodeProcServProf <= 'VIS83' or
'V2020' <= CodeProcServProf <= 'V2799' or
CodeProcServProf in('92070', 'VIS99'))
Then do;
    BucketSasDesc = 'Vision-Materials      ' ;
    Goto Found;
End;
If (('760 ' <= _Icd91_4 <= '7799' or
'760 ' <= _Icd92_4 <= '7799' or
'760 ' <= _Icd93_4 <= '7799' or
'760 ' <= _Icd94_4 <= '7799' or
'760 ' <= _Icd95_4 <= '7799' or
    _Icd91_4 = 'V202' or
    _Icd92_4 = 'V202' or
    _Icd93_4 = 'V202' or
    _Icd94_4 = 'V202' or
    _Icd95_4 = 'V202' or
'V29 ' <= _Icd91_4 <= 'V299' or
'V29 ' <= _Icd92_4 <= 'V299' or
'V29 ' <= _Icd93_4 <= 'V299' or
'V29 ' <= _Icd94_4 <= 'V299' or
'V29 ' <= _Icd95_4 <= 'V299' or
'V30 ' <= CodeDiagCondMed11 <= 'V3921' or

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'V30 ' <= CodeDiagCondMedl2 <= 'V3921' or
'V30 ' <= CodeDiagCondMedl3 <= 'V3921' or
'V30 ' <= CodeDiagCondMedl4 <= 'V3921' or
'V30 ' <= CodeDiagCondMedl5 <= 'V3921') and
('99221' <= CodeProcServProf <= '99239' or
'99293' <= CodeProcServProf <= '99299' or
'99356' <= CodeProcServProf <= '99357' or
CodeProcServProf = '99360' or
'99431' <= CodeProcServProf <= '99440' or
CodeProcServProf = 'NIC01') )
Then do;
    BucketSasDesc = 'Phys-Newborn ' ;
    Goto Found;
    End;
If ('99251' <= CodeProcServProf <= '99299' or
'99354' <= CodeProcServProf <= '99362' or
'99431' <= CodeProcServProf <= '99460' or
CodeProcServProf = 'NIC01')
    Then do;
        BucketSasDesc = 'Phys-Newborn ' ;
        Goto Found;
        End;
If ('99301' <= CodeProcServProf <= '99353' or
CodeProcServProf in('S9460', 'S9470'))
Then do;
    BucketSasDesc = 'Phys-Home/Ltc ' ;
    Goto Found;
    End;

    *Removed CodeTypeProvPerDet in ('AA', 'AM');
    If ('A0225' <= CodeProcServProf <= 'A0436' or
'Q3019' <= CodeProcServProf <= 'Q3020') or
CodeProcServProf in('A0040', 'A0215', 'A0220', 'A0425',
'A0426', 'A0427',
'A0429', 'A0434', 'A0888',
'S0215', 'T2006', 'YYY40')
    Then do;
        BucketSasDesc = 'Trans-Ambul ' ;
        Goto Found;
        End;
If CodeFfsPhp = 'F' and
CodeTypeProvPerDet in('JD', 'WC', 'TA', 'BR', 'IH') and
(('A0030' <= CodeProcServProf <= 'A0050' or
'A0090' <= CodeProcServProf <= 'A0110' or
'A0130' <= CodeProcServProf <= 'A0140' or
'A0180' <= CodeProcServProf <= 'A0210' or
'A0425' <= CodeProcServProf <= 'A0427' or
'Q3020' <= CodeProcServProf <= 'Q3022' or
'T2001' <= CodeProcServProf <= 'T2005' or
'TT200' <= CodeProcServProf <= 'TT250' or
'TT500' <= CodeProcServProf <= 'TT501' or
'TTT01' <= CodeProcServProf <= 'TTT99' or
'YYY01' <= CodeProcServProf <= 'YYY03' or
'YYY10' <= CodeProcServProf <= 'YYY13' or
'YYY15' <= CodeProcServProf <= 'YYY25' or
'7508Y' <= CodeProcServProf <= '7509Y') or

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CodeProcServProf in('A0010', 'A0020', 'A0070', 'A0150', 'A0160',
'A0170', 'A0220',
'A0320', 'A0429', 'A0434', 'A0990',
'A0999', 'TT203', 'Y0166', 'Y5285',
'Y5370', 'Y5475', 'Y5500', 'Y5135',
'Y7265', 'Y7625', 'YYY99',
'7300Y', '7305Y', '7400Y', '7411Y',
'7415Y', '7430Y', '7445Y',
'7460Y', '7475Y', '7490Y', '7500Y',
'7505Y', '7520Y', '7526Y',
'7595Y', '7610Y', '7625Y', '7645Y',
'7650Y', '7725Y', 'T2049',
'S0209', 'S0215', 'T2049', 'A0434'))
Then do;
BucketSasDesc = 'Trans-Other' ; *FFS Only;
Goto Found;
End;
If ('DMA11' <= CodeProcServProf <= 'DMA16' or
'DMA18' <= CodeProcServProf <= 'DMA34' or
'DMA64' <= CodeProcServProf <= 'DMA65' or
'E0100' <= CodeProcServProf <= 'E0748' or
'E0750' <= CodeProcServProf <= 'E0751' or
'E0760' <= CodeProcServProf <= 'E1406' or
'E1800' <= CodeProcServProf <= 'E1840' or
'E2000' <= CodeProcServProf <= 'E2101' or
'E2201' <= CodeProcServProf <= 'E2206' or
'E2291' <= CodeProcServProf <= 'E2294' or
'E2320' <= CodeProcServProf <= 'E2330' or
'E2340' <= CodeProcServProf <= 'E2343' or
'E2360' <= CodeProcServProf <= 'E2366' or
'E2368' <= CodeProcServProf <= 'E2370' or
'E2601' <= CodeProcServProf <= 'E2609' or
'E2611' <= CodeProcServProf <= 'E2621' or
'E8000' <= CodeProcServProf <= 'E8002' or
'EPV08' <= CodeProcServProf <= 'EPV13' or
'HVV01' <= CodeProcServProf <= 'HVV02' or
'HVV04' <= CodeProcServProf <= 'HVV06' or
'HVV12' <= CodeProcServProf <= 'HVV14' or
'HVV18' <= CodeProcServProf <= 'HVV19' or
'HVV24' <= CodeProcServProf <= 'HVV25' or
'K0001' <= CodeProcServProf <= 'K0183' or
'K0189' <= CodeProcServProf <= 'K0268' or
'K0452' <= CodeProcServProf <= 'K0551' or
'K0556' <= CodeProcServProf <= 'K0558' or
'K0601' <= CodeProcServProf <= 'K0605' or
'K0618' <= CodeProcServProf <= 'K0619' or
'K0628' <= CodeProcServProf <= 'K0631' or
'K0634' <= CodeProcServProf <= 'K0637' or
'K0639' <= CodeProcServProf <= 'K0640' or
'K0644' <= CodeProcServProf <= 'K0650' or
'L0100' <= CodeProcServProf <= 'L7520' or
'L8300' <= CodeProcServProf <= 'L8330' or
'L8000' <= CodeProcServProf <= 'L8239' or
'L8400' <= CodeProcServProf <= 'L8501' or
'L8509' <= CodeProcServProf <= 'L8510' or
'Q4017' <= CodeProcServProf <= 'Q4024' or
'POA01' <= CodeProcServProf <= 'POA03' or

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'S8096' <= CodeProcServProf <= 'S8210' or
'S8999' <= CodeProcServProf <= 'S9001' or
'V5010' <= CodeProcServProf <= 'V5011' or
'V2623' <= CodeProcServProf <= 'V2629' or
'V5240' <= CodeProcServProf <= 'V5241' or
'V5266' <= CodeProcServProf <= 'V5268' or
'29125' <= CodeProcServProf <= '29126' or
'29130' <= CodeProcServProf <= '29131') or
CodeProcServProf in('B9000', 'B9002', 'B9004', 'B9006',
'DMA01', 'DMA05',
'DMA48', 'DMA53', 'E1900', 'E2351',
'E2402', 'E2502', 'E2504', 'E2506',
'E2508', 'E2510', 'E2511', 'E2512',
'HVV14',
'K0548', 'K0642', 'K0652', 'K0653',
'K0654', 'K0657', 'K0660',
'K0661', 'K0663', 'K0665', 'K0666',
'K0668', 'K0656', 'K0658', 'K0662', 'K0664',
'K0671', 'L8505', 'L8507', 'L8603',
'L8613', 'L8615',
'L8616', 'L8617', 'L8618', 'L8619',
'L8621', 'L8622', 'L8623', 'L8624',
'L8658', 'L9900', 'Q4049', 'Q4051',
'S5025', 'S5036',
'SPH03', 'SPH06', 'SPH08', 'SPH10',
'V5008', 'V5014',
'V5040', 'V5050', 'V5060', 'V5070',
'V5080', 'V5090',
'V5130', 'V5140', 'V5150', 'V5160',
'V5170', 'V5180',
'V5200', 'V5255', 'V5264', 'V5274',
'V5299', 'V5030', 'V5210', 'V5220', 'V5336',
'VIS84', '29105', '95806')
Then do;
BucketSasDesc = 'Oth Med-Dme ' ;
Goto Found;
End;
If ('A4206' <= CodeProcServProf <= 'A4259' or
'A4262' <= CodeProcServProf <= 'A4263' or
'A4300' <= CodeProcServProf <= 'A4301' or
'A4305' <= CodeProcServProf <= 'A4306' or
'A4310' <= CodeProcServProf <= 'A4465' or
'A4481' <= CodeProcServProf <= 'A4572' or
'A4580' <= CodeProcServProf <= 'A4640' or
'A4649' <= CodeProcServProf <= 'A4650' or
'A4655' <= CodeProcServProf <= 'A4657' or
'A4660' <= CodeProcServProf <= 'A4670' or
'A4772' <= CodeProcServProf <= 'A4773' or
'A4900' <= CodeProcServProf <= 'A4901' or
'A4927' <= CodeProcServProf <= 'A4930' or
'A5051' <= CodeProcServProf <= 'A5055' or
'A5061' <= CodeProcServProf <= 'A5063' or
'A5071' <= CodeProcServProf <= 'A5073' or
'A5081' <= CodeProcServProf <= 'A5082' or
'A5112' <= CodeProcServProf <= 'A5114' or
'A5121' <= CodeProcServProf <= 'A5123' or
'A5500' <= CodeProcServProf <= 'A5507' or

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'A5509' <= CodeProcServProf <= 'A5511' or
 'A6010' <= CodeProcServProf <= 'A6011' or
'A6020' <= CodeProcServProf <= 'A6025' or
'A6196' <= CodeProcServProf <= 'A6224' or
'A6231' <= CodeProcServProf <= 'A6266' or
 'A6402' <= CodeProcServProf <= 'A6406' or
 'A6410' <= CodeProcServProf <= 'A6412' or
 'A6440' <= CodeProcServProf <= 'A6449' or
'A6452' <= CodeProcServProf <= 'A6456' or
 'A6501' <= CodeProcServProf <= 'A6512' or
 'A6550' <= CodeProcServProf <= 'A6551' or
'A7000' <= CodeProcServProf <= 'A7020' or
'A7030' <= CodeProcServProf <= 'A7041' or
 'A7044' <= CodeProcServProf <= 'A7046' or
 'A7501' <= CodeProcServProf <= 'A7503' or
'A7505' <= CodeProcServProf <= 'A7509' or
 'A7520' <= CodeProcServProf <= 'A7522' or
'A7524' <= CodeProcServProf <= 'A7527' or
 'A9900' <= CodeProcServProf <= 'A9901' or
 'B4034' <= CodeProcServProf <= 'B4036' or
 'B4081' <= CodeProcServProf <= 'B4086' or
 'B4150' <= CodeProcServProf <= 'B4156' or
 'B9998' <= CodeProcServProf <= 'B9999' or
 'C1097' <= CodeProcServProf <= 'C1098' or
 'C9115' <= CodeProcServProf <= 'C9116' or
 'DMA06' <= CodeProcServProf <= 'DMA10' or
 'DMA35' <= CodeProcServProf <= 'DMA52' or
 'DMA54' <= CodeProcServProf <= 'DMA62' or
 'DMA68' <= CodeProcServProf <= 'DMA75' or
 'E0752' <= CodeProcServProf <= 'E0753' or
 'EPV01' <= CodeProcServProf <= 'EPV04' or
 'EPV14' <= CodeProcServProf <= 'EPV20' or
 'HVV07' <= CodeProcServProf <= 'HVV11' or
 'HVV15' <= CodeProcServProf <= 'HVV16' or
 'HVV20' <= CodeProcServProf <= 'HVV21' or
 'K0184' <= CodeProcServProf <= 'K0188' or
 'K0278' <= CodeProcServProf <= 'K0281' or
 'K0406' <= CodeProcServProf <= 'K0411' or
 'K0419' <= CodeProcServProf <= 'K0420' or
 'K0423' <= CodeProcServProf <= 'K0426' or
'K0428' <= CodeProcServProf <= 'K0451' or
'K0561' <= CodeProcServProf <= 'K0596' or
'K0580' <= CodeProcServProf <= 'K0581' or
'K0583' <= CodeProcServProf <= 'K0584' or
'K0586' <= CodeProcServProf <= 'K0592' or
'K0594' <= CodeProcServProf <= 'K0596' or
 'S0079' <= CodeProcServProf <= 'S0080' or
 'S1015' <= CodeProcServProf <= 'S1016' or
 'S5160' <= CodeProcServProf <= 'S5162' or
 'S5520' <= CodeProcServProf <= 'S5521' or
'S8400' <= CodeProcServProf <= 'S8405' or
'S8420' <= CodeProcServProf <= 'S8423' or
'S9325' <= CodeProcServProf <= 'S9326' or
'S9330' <= CodeProcServProf <= 'S9331' or
'S9366' <= CodeProcServProf <= 'S9367' or
'S9373' <= CodeProcServProf <= 'S9376' or
'S9500' <= CodeProcServProf <= 'S9504' or

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'T4521' <= CodeProcServProf <= 'T4538' or
'T4540' <= CodeProcServProf <= 'T4542') or
CodeProcServProf in('A4200', 'A4265', 'A4270', 'A4280',
'A4284', 'A4290', 'A4575',
'A4680', 'A4690', 'A4700', 'A4712',
'A4722', 'A4726', 'A4730',
'A4735', 'A4750', 'A4755', 'A4760',
'A4820', 'A4860', 'A4890',
'A4910', 'A4912', 'A4921', 'A5093',
'A5102', 'A5105', 'A5119',
'A5126', 'A5131', 'A5200', 'A6154',
'A6422', 'A6424', 'A6426',
'A6430', 'A6432', 'A6434', 'A6438',
'A7404', 'A7504', 'A9700', 'A9909',
'B4164', 'B4178', 'B4180', 'B4184',
'B4186', 'B4189', 'B4193',
'B4197', 'B4199', 'B4216', 'B4220',
'B4222', 'B4224', 'B5000',
'B5100', 'B5200', 'B9000', 'B9002',
'B9004', 'B9006', 'C1202',
'C1713', 'C9010', 'DMA02', 'DMA04', 'DMA77',
'E1530', 'E1590',
'E1594', 'EPV23', 'HVV23', 'HVV26',
'J1051', 'J7051',
'K0283', 'K0400', 'K0402', 'K0559',
'K0597', 'K9595', 'Q0132', 'S0016', 'S0039',
'S0074', 'S0085', 'S1040', 'S0173',
'S5497', 'S5498', 'S5501',
'S5503', 'S8265', 'S8415', 'S8451',
'S8490', 'S8499', 'S9098',
'S9328', 'S9341', 'S9342', 'S9347',
'S9351', 'S9355', 'S9379', 'S9435',
'S9494', 'S9539', 'S9802', 'S9806',
'SPH09')

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Then do;
BucketSasDesc = 'Oth Med-Supplies ' ;
Goto Found;
End;

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If ('70010' <= CodeProcServProf <= '74230' or
'74240' <= CodeProcServProf <= '74280' or
'74290' <= CodeProcServProf <= '74355' or
'74400' <= CodeProcServProf <= '74470' or
'74710' <= CodeProcServProf <= '74740' or
'75552' <= CodeProcServProf <= '75893' or
'75992' <= CodeProcServProf <= '76934' or
'76942' <= CodeProcServProf <= '76946' or
'76970' <= CodeProcServProf <= '76999' or
'78000' <= CodeProcServProf <= '78999' or
'93303' <= CodeProcServProf <= '93350' or
'93555' <= CodeProcServProf <= '93562' or
'93571' <= CodeProcServProf <= '93572' or
'93875' <= CodeProcServProf <= '93990' or
'A4641' <= CodeProcServProf <= 'A4649' or
'A9500' <= CodeProcServProf <= 'A9522' or
'A9524' <= CodeProcServProf <= 'A9529' or
'G0030' <= CodeProcServProf <= 'G0050' or
'G0130' <= CodeProcServProf <= 'G0132' or

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'G0122' <= CodeProcServProf <= 'G0126' or
  'G0147' <= CodeProcServProf <= 'G0148' or
  'G0161' <= CodeProcServProf <= 'G0165' or
'G0202' <= CodeProcServProf <= 'G0236' or
  'G0252' <= CodeProcServProf <= 'G0254' or
  'G0273' <= CodeProcServProf <= 'G0278' or
'G0330' <= CodeProcServProf <= 'G0337' or
  'Q3002' <= CodeProcServProf <= 'Q3012' or
  'Q9945' <= CodeProcServProf <= 'Q9964' or
'R0070' <= CodeProcServProf <= 'R0076' or
'S8048' <= CodeProcServProf <= 'S8049' or
'S8092' <= CodeProcServProf <= 'S8093' or
CodeProcServProf in('A9531', 'A9533', 'A9700', 'G0144', 'G0173',
'G0188',
'G0197', 'G0262', 'G0288', 'G0296',
'Q3000', 'Q0035', 'Q0092',
'S2130', 'S3652', 'S3902', 'S8004',
'S8030', 'S8035',
'S8037', 'S8040', 'S8042', 'S8060',
'S8075', 'S8080',
'S8085', '74775', '75898', '75970'))

  Then do;
    BucketSasDesc = 'Lab-Diag          ' ;
    Goto Found;
  End;
If (CodeProcServProf in('74235', '74283', 'G0174', 'G0178',
'G0251', 'Q3001') or
  '74360' <= CodeProcServProf <= '74363' or
'74475' <= CodeProcServProf <= '74485' or
'75894' <= CodeProcServProf <= '75896' or
'75900' <= CodeProcServProf <= '75968' or
'75978' <= CodeProcServProf <= '75989' or
'76936' <= CodeProcServProf <= '76941' or
'76948' <= CodeProcServProf <= '76965' or
'77261' <= CodeProcServProf <= '77799' or
'79000' <= CodeProcServProf <= '79999' or
'A9507' <= CodeProcServProf <= 'A9699' or
'G0242' <= CodeProcServProf <= 'G0243' or
'G0338' <= CodeProcServProf <= 'G0340')
Then do;
  BucketSasDesc = 'Lab-Ther          ' ;
  Goto Found;
End;
If ('80002' <= CodeProcServProf <= '89999' or
  'G0025' <= CodeProcServProf <= 'G0027' or
'G0058' <= CodeProcServProf <= 'G0063' or
  'G0123' <= CodeProcServProf <= 'G0124' or
  'G0141' <= CodeProcServProf <= 'G0148' or
  'G0265' <= CodeProcServProf <= 'G0268' or
  'G0306' <= CodeProcServProf <= 'G0307' or
'PIN04' <= CodeProcServProf <= 'PIN06' or
  'P2028' <= CodeProcServProf <= 'P2038' or
'P3000' <= CodeProcServProf <= 'P9615' or
'Q0111' <= CodeProcServProf <= 'Q0115' or
  'S3600' <= CodeProcServProf <= 'S3601' or
  'S3700' <= CodeProcServProf <= 'S3701' or
  'S3822' <= CodeProcServProf <= 'S3823' or

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CodeProcServProf in ('G0001', 'G0107', 'G0328', 'G9006', 'Q0091',
                    'Q0098', 'Q3031', 'S2120', 'S3620',
'S3625',
                    'S3630', 'S3645', 'S3650', 'S3652',
'S3655',
                    'S3708', 'S3837', 'S3890', 'S4042'))

Then do;
BucketSasDesc = 'Lab-Lab          ' ;
Goto Found;
End;

If ('217EP' <= CodeProcServProf <= '218EP' or
    '97802' <= CodeProcServProf <= '97803' or
    'EPV21' <= CodeProcServProf <= 'EPV22' or
    'PNA01' <= CodeProcServProf <= 'PNA08' or
    'S9122' <= CodeProcServProf <= 'S9125' or
    'S9526' <= CodeProcServProf <= 'S9527' or
    '99556' <= CodeProcServProf <= '99558' or
    CodeProcServProf =: 'HH' or
    CodeProcServProf in('236HV', '241HV', '999HV', 'B4158', 'B4159',
'B4160', 'B4161',
                    'G0151', 'G0154', 'HVV17',
                    'HVV22', 'S5035', 'S9300', 'S9327', 'S9329',
'S9336', 'S9365', 'S9524', 'S9533', 'S9550', '99503',
                    '99510', '99539', '99552', '99600',
'99601', '99602', 'T1000',
                    'T1001', 'T1101', 'T1030', 'T1031'))

Then do;
BucketSasDesc = 'Oth Med-Hhc/Pdn          ' ;
Goto Found;
End;

If ('G9001' <= CodeProcServProf <= 'G9002' or
    'G9005' <= CodeProcServProf <= 'G9006' or
    'G9009' <= CodeProcServProf <= 'G9012' or
    'MCM01' <= CodeProcServProf <= 'MCM11' or
    CodeProcServProf in('S9470', 'S9485'))

Then do;
BucketSasDesc = 'Oth Med-Mat Mgt          ' ;
Goto Found;
End;

If (CodeTypeProvPerDet = 'SM' and
    (CodeProcServProf in('90801', '90806', '96100', '97110',
'97150',
                    'A0425', 'G9007', 'H0004', 'S5125',
'T2001', 'T2003') or
    ('92506' <= CodeProcServProf <= '92508') or
    ('96150' <= CodeProcServProf <= '96153') or
    ('97001' <= CodeProcServProf <= '97004') or
    ('H0046' <= CodeProcServProf <= 'H0047') or
    ('T1001' <= CodeProcServProf <= 'T1004') or
    ('RS110' <= CodeProcServProf <= 'RS120'))

Then do;
BucketSasDesc = 'School-Based Svces          ' ;
Goto Found;
End;

If CodeProcServProf='CM125' or (CodeProcServProf='T2023' and
    (_Icd91_3='042' or _Icd91_3='V08'))

Then do;

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```

        BucketSasDesc = 'Tcm-Hiv          ' ;
        Goto Found;
    End;
If CodeProcServProf in('CM150') or
    (CodeProcServProf in('T1016', 'T1017') and _Icd91_3='V20')
Then do;
    BucketSasDesc = 'Tcm-Babies          ' ;
    Goto Found;
End;
If NmbrIdProvBill in('131057', '193870', '246913', '261610',
'021204'
        '210884', '227068', '230475', '154948', '170140',
'190702',
        '022933', '022935', '134036', '171028', '181654',
'292910') and
        (((CodeModProcServ1='HG' and ('97780' <= CodeProcServProf <=
'97781' or
        '97810' <= CodeProcServProf <= '97811' or
        '97813' <= CodeProcServProf <= '97814' or
        'BA314' <= CodeProcServProf <= 'BA316' or
        'BA381' <= CodeProcServProf <= 'BA389' or
        'H0001' <= CodeProcServProf <= 'H0002' or
        'H0004' <= CodeProcServProf <= 'H0005' or
        CodeProcServProf in('BA393', '90849', 'H0016', 'H0020',
'H0033', 'H0048', 'J3490',
        'T1006', 'T1013', 'T1502')))) or
((CodeTypeProvPerDet='AC' or
    CodeTypeProvBill='AC') and
    CodeProcServProf in('H0002', 'H0004', '90887')) or
((CodeTypeProvPerDet='AC' or
    CodeTypeProvBill='AC') and
    CodeProcServProf in('H0048', 'H0016', 'H0020', 'H0033',
'J3490', 'H0001', 'H0005')) or
    ('BA314' <= CodeProcServProf <= 'BA316' or
    'BA381' <= CodeProcServProf <= 'BA389' or
    CodeProcServProf in('BA393'))))
Then do;
    BucketSasDesc = 'Cd-Methadone          ' ;
    Goto Found;
End;
If ((CodeModProcServ1='HF' and
    (CodeProcServProf in('90849', 'H0023', 'H0048', 'T1006',
'T1013') or
    'H0001' <= CodeProcServProf <= 'H0015' or
    '97780' <= CodeProcServProf <= '97781' or
    '97810' <= CodeProcServProf <= '97811' or
    '97813' <= CodeProcServProf <= '97814')) or ((CodeTypeProvPerDet
='AC' or
        CodeTypeProvBill='AC') and
        CodeProcServProf in ('H0002', 'H0004', '90887')) or
        (CodeProcServProf=: 'CDA' or
        CodeProcServProf in('BA321', 'BA340') or
        (('BA310' <= CodeProcServProf <= 'BA313' or
        'BA317' <= CodeProcServProf <= 'BA319' or
        'BA350' <= CodeProcServProf <= 'BA353' or
        'BA370' <= CodeProcServProf <= 'BA379' or
        'BA390' <= CodeProcServProf <= 'BA398')))) or

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        ('303' <= CodeDiagCondMedl1 <= '305' and
CodeProcServProf='T1006') or
        (CodeTypeProvPerDet='AC'))
    Then do;
        BucketSasDesc = 'Cd-Op                ' ;
        Goto Found;
    End;
    If CodeProcServProf='TCM01' or
        (CodeProcServProf='T2023' and
CodeDiagCondMedl1='V6141')
    Then do;
        BucketSasDesc = 'Tcm-Sa Mothers        ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F') and
        (((('BA008' <= CodeProcServProf <= 'BA010' or
'BA108' <= CodeProcServProf <= 'BA110' or
'H0031' <= CodeProcServProf <= 'H0032' or
CodeProcServProf in('BA150', 'ECC44', 'ECC46', 'ECC90', 'S9484',
'T1023')) or
        (CodeTypeProvPerDet='MD' and (put(NmbrIdProvPerDet,
$MhoSpec.)='MhoSpec' and
CodeProcServProf in ('90801', '90802')))) or
        (CodeTypeProvPerDet='MC' and
CodeProcServProf='H0002') or
        (put(NmbrIdProvPerDet, $MhoSpec.)='MhoSpec' and
CodeProcServProf='96100'))))
    Then do;
        BucketSasDesc = 'Mh-Assess/Eval        ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F') and
        (((CodeProcServProf in('BA039', 'H2033', 'H0037') or
'BA045' <= CodeProcServProf <= 'BA047' or
'BA146' <= CodeProcServProf <= 'BA147' or
'H2021' <= CodeProcServProf <= 'H2024' or
(CodeProcServProf='H2012' and CodeModProcServ1 ne 'HK') or
(CodeTypeProvPerDet='MC' and CodeProcServProf='T1016'))))
    Then do;
        BucketSasDesc = 'Mh-Case Mgt          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F') and
        (((CodeProcServProf in('BA017', 'BA117', 'BA118', 'BA158')) or
        ((CodeTypeProvPerDet='MC' and
CodeProcServProf in ('90882', '90887')))) or
        ((CodeTypeProvPerDet='MD' and
put(NmbrIdProvPerDet, $MhoSpec.)='MhoSpec' and

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        CodeProcServProf in ('90882', '90887')))))
    Then do;
        BucketSasDesc = 'Mh-Consult          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F')and
        ((CodeProcServProf in('BA019', 'BA026', 'BA119', 'BA126',
'BA157',
        'BA159', 'ECC95', 'H2010', 'H0033', 'H0034') or
        (CodeTypeProvPerDet in ('MC', 'MD', 'NP') and
put(NmbrIdProvPerDet, $MhoSpec.)='MhoSpec'
        and CodeProcServProf='90862'))))
    Then do;
        BucketSasDesc = 'Mh-Med Mgt          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F') and
        (CodeProcServProf in('90801', '90802', '96100', '90857',
'BA011',
        'BA013', 'BA025', 'BA125', 'ECC44',
'H2014',
        'ECC46', 'H2011', 'S9480', 'H0004',
'S9484') or
        '90803' <= CodeProcServProf <= '90815' or
'90846' <= CodeProcServProf <= '90853' or
        'BA015' <= CodeProcServProf <= 'BA016' or
        'BA111' <= CodeProcServProf <= 'BA113' or
        'BA115' <= CodeProcServProf <= 'BA116' or
        'BA152' <= CodeProcServProf <= 'BA156' or
        'H2021' <= CodeProcServProf <= 'H2022' ) and
        CodeTypeProvPerDet='MC'
    Then do;
        BucketSasDesc = 'Mh-Op Therapy          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F') and
        ((CodeProcServProf in('BA021', 'BA023', 'BA024', 'BA120',
'BA121',
        'BA122', 'ECC80', 'H0036', 'H0037',
'H0039',
        'H2023', 'H2032', 'H2033', 'G0176',
'G0177'))))
    Then do;
        BucketSasDesc = 'Mh-Support Day          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',

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        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912') or CodeFfsPhp='F')and
        (((CodeProcServProf in('BA040', 'BA140', 'BA180', 'H0038',
'H0039',
                                'H0040', 'H0043', 'H0044', 'T1013'))))
Then do;
    BucketSasDesc = 'Mh-Interpret          ' ;
    Goto Found;
End;
If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912')) and
    (('BA135' <= CodeProcServProf <= 'BA136' or
'ECC20' <= CodeProcServProf <= 'ECC40' or
CodeProcServProf in ('ECC10', 'H2013', 'H0035',
                    'H0045', 'S5151', 'S9125'))
    Then do;
        BucketSasDesc = 'Mh-Alt To Ip          ' ;
        Goto Found;
    End;
    If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912')) and
        (('ECC11' <= CodeProcServProf <= 'ECC14' or
'H0017' <= CodeProcServProf <= 'H0019' or
CodeProcServProf = 'H0037'))
        Then do;
            BucketSasDesc = 'Mh-Its          ' ;
            Goto Found;
        End;
        If (CodeFfsPhp='P' and NmbrIdProvPnt in ('165280' '165098',
'129721', '158651',
        '129853', '165300', '165271', '165107', '165319',
        '181632', '170912')) and
            (('ECC50' <= CodeProcServProf <= 'ECC70') or
CodeProcServProf in('90849', 'G0177', 'H0036', 'T1005'))
            Then do;
                BucketSasDesc = 'Mh-Family Support          ' ;
                Goto Found;
            End;
            If CodeModProcServ1 not in('HG', 'HF') and CodeDiagCondMed11 =
'H0039' and
                ('80100' <= CodeProcServProf <= '80102' or
                '99455' <= CodeProcServProf <= '99456' or
                'ADM01' <= CodeProcServProf <= 'ADM14' or
                'PC001' <= CodeProcServProf <= 'PC004' or
                'PIN01' <= CodeProcServProf <= 'PIN03' or
                CodeProcServProf in('54240', '59240', '90801', '96100', '96111',
'H0039',
                    '96117',
                    '97750', '99080', '90889', '99172', 'H1011',
                    'PIN07', 'S9981', 'H0048')) and
                NmbrIdProvPnt not in('165280', '165098', '129721', '158651',
'129853', '165300', '165271',
                                '165107', '165319', '181632',
'170912')

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Then do;
    BucketSasDesc = 'Admin Exams          ' ;
    Goto Found;
End;
If ('90700' <= CodeProcServProf <= '90713' or
    '90718' <= CodeProcServProf <= '90724' or
    '90726' <= CodeProcServProf <= '90799' or
    '90801' <= CodeProcServProf <= '90899' or
    '92002' <= CodeProcServProf <= '92014' or
    '93875' <= CodeProcServProf <= '95966' or
    '96100' <= CodeProcServProf <= '96117' or
    '97001' <= CodeProcServProf <= '97004' or
    '98925' <= CodeProcServProf <= '98943' or
    '99201' <= CodeProcServProf <= '99440' or
    ('9500M' <= CodeProcServProf <= '9600M' and
substr(CodeProcServProf, 5 ,1) = 'M') or
    'D0120' <= CodeProcServProf <= 'D0170' or
    'H0001' <= CodeProcServProf <= 'H0003' or
    'H0005' <= CodeProcServProf <= 'H0030' or
    'IHC01' <= CodeProcServProf <= 'IHC11' or
    CodeProcServProf in('90471', '90716', '99170', '99450', '99499',
    'CMS01',
    'D1203', 'FQH01', 'FQ600', 'IH500',
    'M0064', 'PUB01',
    'Q0034', 'RHC01', 'RH555', 'S0605',
    'S9140')) and
    (NmbrIdProvPnt not in ('165280', '165098', '129721', '158651',
    '129853', '165300', '165271',
    '165107', '165319', '181632',
    '170912'))

    Then do;
    BucketSasDesc = 'Phys-Office          ' ;
    Goto Found;
End;
If (('90000' <= CodeProcServProf <= '90899' or
    '90901' <= CodeProcServProf <= '91299' or
    '92502' <= CodeProcServProf <= '93278' or
    '93600' <= CodeProcServProf <= '93799' or
    '94010' <= CodeProcServProf <= '95999' or
    '96152' <= CodeProcServProf <= '96153' or
    '96400' <= CodeProcServProf <= '97799' or
    '97810' <= CodeProcServProf <= '97811' or
    '99000' <= CodeProcServProf <= '99091' or
    '99175' <= CodeProcServProf <= '99199' or
    'G0001' <= CodeProcServProf <= 'G0016' or
    'G0064' <= CodeProcServProf <= 'G0065' or
    'G0101' <= CodeProcServProf <= 'G0122' or
    'G0168' <= CodeProcServProf <= 'G0169' or
    'G0179' <= CodeProcServProf <= 'G0182' or
    'G0195' <= CodeProcServProf <= 'G0196' or
    'G0246' <= CodeProcServProf <= 'G0247' or
    'G0314' <= CodeProcServProf <= 'G0326' or
    'G0345' <= CodeProcServProf <= 'G0362' or
    'J0120' <= CodeProcServProf <= 'J1050' or
    'J1060' <= CodeProcServProf <= 'J7198' or
    'J7310' <= CodeProcServProf <= 'J9999' or
    'PHB01' <= CodeProcServProf <= 'PHB02' or

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'Q0035' <= CodeProcServProf <= 'Q0091' or
'Q0136' <= CodeProcServProf <= 'Q2022' or
'Q3025' <= CodeProcServProf <= 'Q9940' or
  'S0023' <= CodeProcServProf <= 'S0024' or
  'S0071' <= CodeProcServProf <= 'S0073' or
  'S5000' <= CodeProcServProf <= 'S5002' or
  'S9128' <= CodeProcServProf <= 'S9129') or
CodeProcServProf in('96000', '96100', '96150', '96154', '96155',
'99311', 'A9150', 'ACP01', 'C9001',
'G0166', 'G0190',
'H5300', 'J7199', 'J7308',
'G0369', 'G0366', 'G0367', 'G0368',
'S0115', 'S0176', 'S0177',
'S0030',
'S0081', 'S0086',
'S8950', 'S9141', 'S9348', 'S9377', 'S9497',
'Y5523')) and
(NmbrIdProvPnt not in ('165280', '165098', '129721', '158651',
'129853', '165300', '165271',
'165107', '165319', '181632',
'170912'))
Then do;
  BucketSasDesc = 'Phys-Other          ' ;
  Goto Found;
End;
If CodeTypeProvPerDet = 'AS' or CodeModProcServ1 = 'SG'
Then do;
  BucketSasDesc = 'Op-Basic          ' ;
  Goto Found;
End;
If CodeFfsPhp='F' and CodeTypeProvPerDet in ('CR','IH') and
('D0100' <= CodeProcServProf <= 'D0999' or
'00100' <= CodeProcServProf <= '00999')
Then do;
  BucketSasDesc = 'Op-Dental Diag      ' ; *FFS Only;
  Goto Found;
End;
If CodeFfsPhp='F' and
CodeTypeProvPerDet in ('CR', 'IH') and
('D1000' <= CodeProcServProf <= 'D1999' or
'01000' <= CodeProcServProf <= '01999')
Then do;
  BucketSasDesc = 'Op-Dental Prevent    ' ; *FFS Only;
  Goto Found;
End;
If CodeFfsPhp='F' and
CodeTypeProvPerDet in ('CR','IH') and
('D2000' <= CodeProcServProf <= 'D2999' or
'02000' <= CodeProcServProf <= '02999')

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Then do;
    BucketSasDesc = 'Op-Dental Restore      ' ;
    Goto Found;
End;
/* Note: not in bucketbook, retained from 00PCC and in fact
necessary */
If ('D5900' <= CodeProcServProf <= 'D5999')
Then do;
    BucketSasDesc = 'Op-Dental Max Prosthetic' ;
    Goto Found;
End;
If (CodeFfsPhp='F' and CodeTypeProvPerDet = 'TC')
Then do;
    BucketSasDesc = 'ZProf Not Covered      ' ;
    Goto Found;
End;
If (CodeProcServProf =: 'PUB' or
CodeProcServProf in('0005T', '0007T', '0500F', '09999', '97804',
'99501', '99502',
'99504', '99505', '99506', '99509',
'58322', 'A6451', 'A9999',
'A0120', 'A0310', 'A0420', 'A0422',
'A4285', 'A4480', 'A4651', 'A4671',
'A4672', 'A5508', 'A6229', 'A6230',
'A6407', 'A6450', 'A7043',
'A7523', 'A9170', 'A9190', 'A9270',
'A9300', 'B4100', 'B4149', 'E1700',
'E2301', 'E2331', 'G0129',
'G0167', 'G0170', 'G0175', 'G0191',
'G0238', 'G0282', 'G0290', 'G0291',
'G0376', 'G9024', 'H0042', 'H1004',
'H1010', 'H2000', 'H2019',
'H2025', 'H2028', 'H2035', 'K0415',
'K0552', 'K0620', 'K0641',
'L7900', 'L8600', 'L8699', 'M0301',
'Q3019', 'Q9941', 'S0012',
'S0114', 'S0510', 'S0610', 'S0612',
'S1002', 'S1025', 'S1030',
'S4030', 'S4035', 'S5010', 'S5116',
'S5517', 'S8260', 'S8431',
'S8450', 'S8452', 'S8990', 'S9061',
'S9338', 'S9339', 'S9340',
'S9363', 'S9401', 'S9443', 'S9542',
'S9558', 'S9590', 'S9810',
'S9982', 'S9999', 'T1014', 'T1018',
'T1019', 'T1020', 'T1022', 'T1026',
'T1999', 'T2020', 'V5020', 'V5100',
'V5245', 'V5246', 'V5247',
'V5252', 'V5253', 'V5254', 'V5257',
'V5261', 'V5275', 'TR010',
'TR100', 'TR203', 'TR603', 'TR724',
'TR800', 'MAN01',
'T1001', 'E2300', 'E2310', 'E2311',
'E2367', 'E2399', 'E2500',
'E2599', 'G0245', 'G0281', 'G0370',
'G0371', 'G9008',

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                                'G9021', 'G9022', 'G9023', 'K0669',
'S9343', 'S5115', 'T2033',
                                'T2034', 'V5256') or
'B4102' <= CodeProcServProf <= 'B4104' or
'G9025' <= CodeProcServProf <= 'G9032' or
'TR001' <= CodeProcServProf <= 'TR003' or
'TR200' <= CodeProcServProf <= 'TR201' or
'TR220' <= CodeProcServProf <= 'TR221' or
'TR229' <= CodeProcServProf <= 'TR232' or
'T1011' <= CodeProcServProf <= 'T1012')
Then do;
BucketSasDesc = 'ZProf Not Covered      ' ;
Goto Found;
End;
If (_Icd91_4 = '6289' and
CodeProcServProf = '58340' )
Then do;
BucketSasDesc = 'ZProf Not Covered      ' ;
Goto Found;
End;
If (CodeTypeProvPerDet = 'MC' and
CodeProcServProf =: 'BA' )
Then do;
BucketSasDesc = 'ZMh Unbucketed        ' ;
Goto Found;
End;
If (CodeFfsPhp='P' and
NmbrIdPhp =: 'M')
Then do;
BucketSasDesc = 'ZMh Unbucketed        ' ; *Encounter Only;
Goto Found;
End;
If CodeProcServProf in ('A4025', 'B5013', 'G2083', 'H7304', 'Q3020',
'S4267', 'S4883',
                                'S4933', 'S9841', 'T4335', 'T4554',
'T4852', 'Z1000',
                                'Z1001')
Then do;
BucketSasDesc = 'Invalid Proc Code';
Goto Found;
End;
BucketSasDesc = 'ZProf Unbucketed        ' ; *If not bucketed
elsewhere unbucketed;
Goto Found;
End;
Found:
Run;

*** BucketSasDesc Fixes ***;
** Approved by P. Davidson 09JUL2004 ** ;
Data Aqc0709;
Set Aqc0709;
If CodeFfsPhp='P' and NmbrIdPhp=: 'M' and BucketSasDesc='Phys-Somatic Mh'
Then BucketSasDesc='Mh-Phys Op' ;
Run;

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