## Alternative Measure Selected

Potentially Avoidable Emergency Department Visits

## Numerator

The numerator of the potentially avoidable ED visits rate represents the volume of ED visits in Virginia from 2017-2019 containing a primary ICD-10 diagnosis code categorized as being potentially avoidable. The numerator was defined using the Oregon Health Authority's (OHA) methodology on avoidable emergency department visits, derived from the Medi-Cal potentially avoidable ED visits methodology (See Appendix, Exhibit 1). Per the OHA methodology, the query elements and construction logic for the numerator are as follows:

Field	Description/Rationale
Incurred Year	The year during which the ED visit occurred. Used to break out the data for volume trends over time
Payer LOB	Line of business (LOB) or insurance type of the patient containing a value of Commercial, Medicaid, or Medicare. Used to break out the data for observing trends in volume across payer types
Member County	The county associated with the patient based on the patient's street address. Used to distinguish between geographical areas based on patient's residence
Primary ICD Diagnosis Code	The main or principal diagnosis ICD (International Statistical Classification of Diseases and Related Health Problems) code associated with the service. Used to identify potentially avoidable ED visits
Total Utilization	A summation of the count of distinct services. Utilization counts differ according to the defined HCG (Health Cost Guideline) Line Code grouping system created by Milliman to rollup services into groups. Using Milliman's methodology for the HCG Line grouping $O11 = Emergency Room$ , Total Utilization represents the number of unique ED visits. Used to represent the volume of ED visits

Figure A – Numerator Construction Logic

Condition	Description/Rationale
Incurred Year = 2017, 2018, 2019	Only data for years 2017, 2018, and 2019 will be
	used to ensure the proper reporting period.
Payer LOB ≠ Unknown	Claims for individuals without an identified
	insurance type will not be included.
HCG Line = O11 – Emergency Room	Only claims categorized as containing an ED visit
	not resulting in an admission will be used.
Primary ICD Diagnosis Code = OHA Avoidable	(See Appendix, Exhibit 1, Pages 1-3)
ED Numerator Diagnosis Code Set (See	
Appendix, Exhibit 1, Pages 3-10)	
CPT Procedure Code ≠ OHA Psychiatry Value	(See Appendix, Exhibit 1, Page 10)
Set specifications (See Appendix, Exhibit 1, Page	
10)	

ICD Procedure Code ≠ OHA Electroconvulsive Therapy Value Set specifications (See Appendix, Exhibit 1, Page 10)	(See Appendix, Exhibit 1, Page 10)
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### Denominator

The denominator of the potentially avoidable ED visits rate represents the volume of ED visits in Virginia from 2017-2019 that did not result in an admission. ED visits not resulting in an admission were defined using Milliman's HCG Line grouping O11 = Emergency Room, which corresponds to the HEDIS 2018 specifications for identifying emergency department visits. The following tables outline the fields and conditions used to query the data:

Figure B – Denominator Construction Logic

Field	Rationale
Incurred Year	(See Figure A)
Payer LOB	(See Figure A)
Member County	(See Figure A)
Primary ICD Diagnosis Code	(See Figure A)
Total Utilization	(See Figure A)

Condition	Rationale
Incurred Year = 2017, 2018, 2019	(See Figure A)
Payer LOB ≠ Unknown	(See Figure A)
HCG Line = O11 – Emergency Room	(See Figure A)

## Potentially Avoidable ED Visits Rate Calculation

Total Utilization for Potentially Avoidable ED Visits (Numerator) / Total Utilization for All ED Visits (Denominator)

## **Category Assignment**

The potentially avoidable primary ICD-10 diagnosis codes with the highest values for Total Utilization statewide for ED visits not resulting in an admission were categorized by visit type. VHI based these category assignments on Milliman's Primary ICD Diagnosis Code Rollup methodology. (See Appendix, Exhibit 2)

# APPENDIX - EXHIBIT 1 - OHA METHODOLOGY Ambulatory Care: Avoidable Emergency Department Visits

## **Measure Basic Information**

Name and date of specifications used: HEDIS<sup>®</sup> 2018 Technical Specifications for Health Plans, Volume 2, and California Department of Health Care Services Medi-Cal Managed Care Division's statewide collaborative quality improvement project on avoidable ER visits. The Medi-Cal Managed Care Division has stopped maintaining the measurement specification, and in order to accommodate the transition from ICD-9 to ICD-10 coding since October 2015, OHA utilized CMS General Equivalence Mappings (GEMs) to create the ICD-10 code set for identify qualifying numerator ED visits.

#### **URL of Specifications:**

http://www.dhcs.ca.gov/dataandstats/reports/Documents/MMCD\_Qual\_Rpts/EQRO\_QIPs/CA201112\_QIP\_Coll\_ER\_Re measure\_Report.pdf (Appendix A-1). https://www.cms.gov/Medicare/Coding/ICD10/2016-ICD-10-CM-and-GEMs.html

#### Measure Type:

HEDIS PQI Survey Other Specify: California Department of Health Care Services Medi-Cal Managed Care Division with OHA updates to ICD-10 codes

#### **Measure Utility:**

CCO Incentive  State Quality Measure	CMS Adult Core Set $lacksquare$	CMS Child Core Set $lacksquare$	Other 🗖	Specify:
Data Source: MMIS/DSSURS				

Measurement Period: January 1, 2018 – December 31, 2018

2018 Benchmark: N/A

#### Measure changes in specifications from 2017 to 2018:

OHA is using HEDIS 2018 specifications for all 2018 measures. Changes from HEDIS 2017 to 2018 include:

- HEDIS 2018 further clarifies the methods to identify an ED visit that resulted in an inpatient stay for exclusion: When an ED visit and an inpatient stay are billed on separate claims, the visit results in an inpatient stay when the admission date for the inpatient stay occurs on the ED date of service, or on calendar day after. An ED visit billed on the same claim as an inpatient stay is considered a visit that resulted in an inpatient stay.
- HEDIS 2018 removed 'AOD Rehab and Detox Value Set' from required exclusion; this value set only contained ICD-PCS inpatient procedure codes, and these services may still be identified for exclusion based on chemical dependency diagnosis codes (included in the Mental and Behavioral Disorders Value Set).
- HEDIS 2018 Ambulatory Outpatient Visits value set deleted one CPT code 99420.
- HEDIS 2018 Mental and Behavioral Disorders Value Set added 13 ICD-10 diagnosis codes: F32.81, F32.89, F34.81, F34.89, F42.2, F42.3, F42.4, F42.8, F42.9, F50.81, F50.89, F64.0, F80.82.
- HEDIS 2018 ED Procedure Code Value Set added 51 and deleted 22 CPT codes.

OHA continues to use the ICD-10 'Avoidable ED Numerator Diagnosis Code Set' from measurement year 2018, which is based on the Medi-Cal defined ICD-9 codes, and crossed-walked with CMS General Equivalence Mappings (GEMs).



Member type: CCO A

ССО В 📕

cco g 🗖

Specify claims used in the calculation:

	Only use claims from matching CCO	Denied claims
AVOID_ED	that a member is enrolled with	included
Numerator event	Y	Ν

## **Measure Details**

**Data elements required denominator:** 1,000 member months. The measure is based on the Ambulatory Care: Emergency Department Utilization measure.

Required exclusions for denominator: None.

Deviations from cited specifications for denominator: N/A

#### Data elements required numerator: Step 1, Identify all ED visits:

See HEDIS<sup>®</sup> 2018 Technical Specifications for Health Plans (Volume 2) and Value Set Dictionary for details on identifying emergency department visits.

Count each visit to an ED that does not result in an inpatient encounter once; count multiple ED visits on the same date of service as one visit. Emergency Department visits are specified by the following codes:

	ED Value Set			
	СРТ		l	UB Revenue
	99281-99285	0450,	0451,0	452, 0456, 0459, 0981
	OR			
ED Proced	ure Code Value Set ED POS Value Set			
СРТ	CPT		With	POS

\*Total of 5,777 CPT codes are included in the HEDIS 2018 'ED Procedure Code' Value Set.

10021-69990\* See HEDIS 2018

for details.

Do not include ED visits that result in an inpatient stay (Inpatient Stay Value Set). When an ED visit and an inpatient stay are billed on separate claims, the visit results in an inpatient stay when the admission date for the inpatient stay occurs on the ED date of service, or on calendar day after. An ED visit billed on the same claim as an inpatient stay is considered a visit that resulted in an inpatient stay.

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Inpatient Stay Visits Value Set	
UBREV	0100, 0101, 0110 – 0114, 0116 – 0124, 0126 – 0134, 0136 – 0144, 0146 – 0154, 0156 – 0160, 0164,
UDREV	0167, 0169 – 0174, 0179, 0190 – 0194, 0199 – 0204, 0206 – 0214, 0219, 1000 – 1002



#### Step 2, Identify a subset of avoidable ED visits:

Avoidable ED visits are identified as those visits with a primary diagnosis that matches a list of ICD-9 diagnosis codes defined by the California Department of Health Services<sup>1</sup>. OHA utilized CMS 2016 General Equivalence Mappings (GEMs) to update numerator avoidable ED visits into ICD-10 codes:

Avoidable ED Numerator Diagnosis Code Set		
ICD10-CM	ICD10_Desc	
B354	Tinea corporis	
B355	Tinea imbricata	
B370	Candidal stomatitis	
B372	Candidiasis of skin and nail	
B373	Candidiasis of vulva and vagina	
B3741	Candidal cystitis and urethritis	
B3742	Candidal balanitis	
B3749	Other urogenital candidiasis	
B3781	Candidal esophagitis	
B3782	Candidal enteritis	
B3783	Candidal cheilitis	
B3784	Candidal otitis externa	
B3789	Other sites of candidiasis	
B379	Candidiasis, unspecified	
B86	Scabies	
B880	Other acariasis	
B889	Infestation, unspecified	
G441	Vascular headache, not elsewhere classified	
H01141	Xeroderma of right upper eyelid	
H01142	Xeroderma of right lower eyelid	
H01143	Xeroderma of right eye, unspecified eyelid	
H01144	Xeroderma of left upper eyelid	
H01145	Xeroderma of left lower eyelid	
H01146	Xeroderma of left eye, unspecified eyelid	
H01149	Xeroderma of unspecified eye, unspecified eyelid	
H10011	Acute follicular conjunctivitis, right eye	
H10012	Acute follicular conjunctivitis, left eye	



Authority	
H10013	Acute follicular conjunctivitis, bilateral
H10019	Acute follicular conjunctivitis, unspecified eye
H10021	Other mucopurulent conjunctivitis, right eye
H10022	Other mucopurulent conjunctivitis, left eye
H10023	Other mucopurulent conjunctivitis, bilateral
H10029	Other mucopurulent conjunctivitis, unspecified eye
H1010	Acute atopic conjunctivitis, unspecified eye
H1011	Acute atopic conjunctivitis, right eye
H1012	Acute atopic conjunctivitis, left eye
H1013	Acute atopic conjunctivitis, bilateral
H10221	Pseudomembranous conjunctivitis, right eye
H10222	Pseudomembranous conjunctivitis, left eye
H10223	Pseudomembranous conjunctivitis, bilateral
H10229	Pseudomembranous conjunctivitis, unspecified eye
H10231	Serous conjunctivitis, except viral, right eye
H10232	Serous conjunctivitis, except viral, left eye
H10233	Serous conjunctivitis, except viral, bilateral
H10239	Serous conjunctivitis, except viral, unspecified eye
H1030	Unspecified acute conjunctivitis, unspecified eye
H1031	Unspecified acute conjunctivitis, right eye
H1032	Unspecified acute conjunctivitis, left eye
H1033	Unspecified acute conjunctivitis, bilateral
H10401	Unspecified chronic conjunctivitis, right eye
H10402	Unspecified chronic conjunctivitis, left eye
H10403	Unspecified chronic conjunctivitis, bilateral
H10409	Unspecified chronic conjunctivitis, unspecified eye
H10411	Chronic giant papillary conjunctivitis, right eye
H10412	Chronic giant papillary conjunctivitis, left eye
H10413	Chronic giant papillary conjunctivitis, bilateral
H10419	Chronic giant papillary conjunctivitis, unspecified eye
H10421	Simple chronic conjunctivitis, right eye
H10422	Simple chronic conjunctivitis, left eye
H10423	Simple chronic conjunctivitis, bilateral
H10429	Simple chronic conjunctivitis, unspecified eye



Authority	
H10431	Chronic follicular conjunctivitis, right eye
H10432	Chronic follicular conjunctivitis, left eye
H10433	Chronic follicular conjunctivitis, bilateral
H10439	Chronic follicular conjunctivitis, unspecified eye
H1044	Vernal conjunctivitis
H1045	Other chronic allergic conjunctivitis
H10501	Unspecified blepharoconjunctivitis, right eye
H10502	Unspecified blepharoconjunctivitis, left eye
H10503	Unspecified blepharoconjunctivitis, bilateral
H10509	Unspecified blepharoconjunctivitis, unspecified eye
H10511	Ligneous conjunctivitis, right eye
H10512	Ligneous conjunctivitis, left eye
H10513	Ligneous conjunctivitis, bilateral
H10519	Ligneous conjunctivitis, unspecified eye
H10521	Angular blepharoconjunctivitis, right eye
H10522	Angular blepharoconjunctivitis, left eye
H10523	Angular blepharoconjunctivitis, bilateral
H10529	Angular blepharoconjunctivitis, unspecified eye
H10531	Contact blepharoconjunctivitis, right eye
H10532	Contact blepharoconjunctivitis, left eye
H10533	Contact blepharoconjunctivitis, bilateral
H10539	Contact blepharoconjunctivitis, unspecified eye
H1089	Other conjunctivitis
H109	Unspecified conjunctivitis
H66001	Acute suppr otitis media w/o spon rupt ear drum, right ear
H66002	Acute suppr otitis media w/o spon rupt ear drum, left ear
H66003	Acute suppr otitis media w/o spon rupt ear drum, bilateral
H66004	Ac suppr otitis media w/o spon rupt ear drum, recur, r ear
H66005	Ac suppr otitis media w/o spon rupt ear drum, recur, l ear
H66006	Acute suppr otitis media w/o spon rupt ear drum, recur, bi
H66007	Ac suppr otitis media w/o spon rupt ear drum, recur, unsp ear
H66009	Acute suppr otitis media w/o spon rupt ear drum, unsp ear
H66011	Acute suppr otitis media w spon rupt ear drum, right ear
H66012	Acute suppr otitis media w spon rupt ear drum, left ear



Authority	
H66013	Acute suppr otitis media w spon rupt ear drum, bilateral
H66014	Acute suppr otitis media w spon rupt ear drum, recur, r ear
H66015	Acute suppr otitis media w spon rupt ear drum, recur, l ear
H66016	Acute suppr otitis media w spon rupt ear drum, recurrent, bi
H66017	Ac suppr otitis media w spon rupt ear drum, recur, unsp ear
H66019	Acute suppr otitis media w spon rupt ear drum, unsp ear
H6610	Chronic tubotympanic suppurative otitis media, unspecified
H6611	Chronic tubotympanic suppurative otitis media, right ear
H6612	Chronic tubotympanic suppurative otitis media, left ear
H6613	Chronic tubotympanic suppurative otitis media, bilateral
H6620	Chronic atticoantral suppurative otitis media, unsp ear
H6621	Chronic atticoantral suppurative otitis media, right ear
H6622	Chronic atticoantral suppurative otitis media, left ear
H6623	Chronic atticoantral suppurative otitis media, bilateral
H663X1	Other chronic suppurative otitis media, right ear
H663X2	Other chronic suppurative otitis media, left ear
H663X3	Other chronic suppurative otitis media, bilateral
H663X9	Other chronic suppurative otitis media, unspecified ear
H6640	Suppurative otitis media, unspecified, unspecified ear
H6641	Suppurative otitis media, unspecified, right ear
H6642	Suppurative otitis media, unspecified, left ear
H6643	Suppurative otitis media, unspecified, bilateral
H6690	Otitis media, unspecified, unspecified ear
H6691	Otitis media, unspecified, right ear
H6692	Otitis media, unspecified, left ear
H6693	Otitis media, unspecified, bilateral
H70091	Acute mastoiditis with other complications, right ear
H70092	Acute mastoiditis with other complications, left ear
H70093	Acute mastoiditis with other complications, bilateral
H70099	Acute mastoiditis with other complications, unspecified ear
J00	Acute nasopharyngitis [common cold]
J028	Acute pharyngitis due to other specified organisms
J029	Acute pharyngitis, unspecified
J060	Acute laryngopharyngitis
F	



Authority	
J069	Acute upper respiratory infection, unspecified
J208	Acute bronchitis due to other specified organisms
J209	Acute bronchitis, unspecified
J310	Chronic rhinitis
J311	Chronic nasopharyngitis
J312	Chronic pharyngitis
J320	Chronic maxillary sinusitis
J321	Chronic frontal sinusitis
J322	Chronic ethmoidal sinusitis
J323	Chronic sphenoidal sinusitis
J324	Chronic pansinusitis
J328	Other chronic sinusitis
J329	Chronic sinusitis, unspecified
J3501	Chronic tonsillitis
J3502	Chronic adenoiditis
J3503	Chronic tonsillitis and adenoiditis
J351	Hypertrophy of tonsils
J352	Hypertrophy of adenoids
J353	Hypertrophy of tonsils with hypertrophy of adenoids
J358	Other chronic diseases of tonsils and adenoids
J359	Chronic disease of tonsils and adenoids, unspecified
L298	Other pruritus
L299	Pruritus, unspecified
L740	Miliaria rubra
L741	Miliaria crystallina
L742	Miliaria profunda
L743	Miliaria, unspecified
M532x8	Spinal instabilities, sacral and sacrococcygeal region
M533	Sacrococcygeal disorders, not elsewhere classified
M5403	Panniculitis aff regions of neck/bk, cervicothor region
M5404	Panniculitis affecting regions of neck/bk, thoracic region
M5405	Panniculitis affecting regions of neck/bk, thoracolum region
M5406	Panniculitis affecting regions of neck/bk, lumbar region
1013400	



M5409       Par         M545       Low         M5489       Ott         M549       Do         M62830       Mu         N3000       Act         N3001       Act         N3010       Int         N3011       Int         N3020       Ott         N3031       Trip         N3030       Trip         N3030       Ott         N3031       Trip         N3040       Irra         N3080       Ott         N3081       Ott         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	nniculitis aff regions of neck/bk, sacr/sacrocygl region nniculitis aff regions, neck/bk, multiple sites in spine w back pain her dorsalgia rsalgia, unspecified uscle spasm of back ute cystitis without hematuria ute cystitis without hematuria erstitial cystitis (chronic) without hematuria erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria her chronic cystitis with hematuria gonitis without hematuria gonitis without hematuria adiation cystitis without hematuria her cystitis without hematuria
M545       Low         M5489       Ott         M549       Do         M62830       Mu         N3000       Act         N3001       Act         N3010       Int         N3011       Int         N3020       Ott         N3031       Trip         N3030       Trip         N3031       Trip         N3041       Irra         N3080       Ott         N3081       Ott         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	w back pain her dorsalgia rsalgia, unspecified uscle spasm of back ute cystitis without hematuria ute cystitis with hematuria erstitial cystitis (chronic) without hematuria erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria her chronic cystitis with hematuria gonitis with hematuria gonitis with hematuria adiation cystitis without hematuria her cystitis without hematuria
M5489       Ott         M549       Do         M549       Do         M62830       Mu         N3000       Act         N3001       Act         N3010       Int         N3011       Int         N3020       Ott         N3021       Ott         N3030       Trip         N3031       Trip         N3040       Irra         N3080       Ott         N3081       Ott         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	her dorsalgia rsalgia, unspecified uscle spasm of back ute cystitis without hematuria ute cystitis with hematuria erstitial cystitis (chronic) without hematuria erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria her chronic cystitis with hematuria gonitis without hematuria adiation cystitis without hematuria her cystitis without hematuria adiation cystitis with hematuria
M549       Do         M62830       Mu         N3000       Act         N3001       Act         N3010       Int         N3011       Int         N3012       Otl         N3011       Int         N3020       Otl         N3021       Otl         N3030       Trip         N3031       Trip         N3040       Irra         N3080       Otl         N3081       Otl         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	rsalgia, unspecified uscle spasm of back ute cystitis without hematuria ute cystitis with hematuria erstitial cystitis (chronic) without hematuria erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria her chronic cystitis with hematuria gonitis without hematuria gonitis with hematuria adiation cystitis without hematuria her cystitis without hematuria
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N3000         Act           N3001         Act           N3010         Int           N3010         Int           N3010         Int           N3011         Int           N3020         Ott           N3021         Ott           N3030         Trip           N3031         Trip           N3040         Irra           N3080         Ott           N3081         Ott           N3090         Cys           N3091         Cys           N390         Uri           N72         Inf	ute cystitis without hematuria ute cystitis with hematuria erstitial cystitis (chronic) without hematuria erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria her chronic cystitis with hematuria gonitis without hematuria gonitis without hematuria adiation cystitis without hematuria her cystitis without hematuria
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N3011       Int         N3020       Ott         N3021       Ott         N3030       Trip         N3031       Trip         N3040       Irra         N3041       Irra         N3080       Ott         N3081       Ott         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	erstitial cystitis (chronic) with hematuria her chronic cystitis without hematuria der chronic cystitis with hematuria gonitis without hematuria gonitis with hematuria adiation cystitis without hematuria adiation cystitis with hematuria her cystitis without hematuria
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N3021       Ottl         N3030       Trip         N3031       Trip         N3040       Irra         N3041       Irra         N3080       Ottl         N3081       Ottl         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	her chronic cystitis with hematuria gonitis without hematuria gonitis with hematuria adiation cystitis without hematuria adiation cystitis with hematuria her cystitis without hematuria
N3030         Trig           N3031         Trig           N3040         Irra           N3040         Irra           N3040         Ott           N3080         Ott           N3081         Ott           N3090         Cys           N3091         Cys           N390         Uri           N72         Inf	gonitis without hematuria gonitis with hematuria adiation cystitis without hematuria adiation cystitis with hematuria her cystitis without hematuria
N3031       Trig         N3040       Irra         N3041       Irra         N3080       Ott         N3081       Ott         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	gonitis with hematuria adiation cystitis without hematuria adiation cystitis with hematuria her cystitis without hematuria
N3040       Irra         N3041       Irra         N3080       Ottl         N3081       Ottl         N3090       Cys         N3091       Cys         N390       Uri         N72       Inf	adiation cystitis without hematuria adiation cystitis with hematuria her cystitis without hematuria
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N3080         Ott           N3081         Ott           N3090         Cys           N3091         Cys           N390         Uri           N72         Inf	her cystitis without hematuria
N3081         Otl           N3090         Cys           N3091         Cys           N390         Uri           N72         Inf	
N3090         Cys           N3091         Cys           N390         Uri           N72         Inf	
N3091         Cys           N390         Uri           N72         Inf	her cystitis with hematuria
N390 Uri N72 Inf	stitis, unspecified without hematuria
N72 Inf	stitis, unspecified with hematuria
	inary tract infection, site not specified
N760 Act	lammatory disease of cervix uteri
	ute vaginitis
N761 Sul	bacute and chronic vaginitis
N762 Act	ute vulvitis
N763 Sul	bacute and chronic vulvitis
N771 Va	ginitis, vulvitis and vulvovaginitis in diseases classified elsewhere
N978 Fer	male infertility of other origin
R51 He	adache
Z0000 End	cntr for general adult medical exam w/o abnormal findings
Z0000 End	counter for general adult medical examination without abnormal findings
Z0001 End	counter for general adult medical exam w abnormal findings
Z005 End	counter for exam of potential donor of organ and tissue
Z006 End	
Z0070 End	cntr for exam for nrml cmprsn and ctrl in clncl rsrch prog



Authority	
Z0071	Encntr for exam for delay growth in chldhd w abn findings
Z0100	Encounter for exam of eyes and vision w/o abnormal findings
Z0101	Encounter for exam of eyes and vision w abnormal findings
Z0110	Encounter for exam of ears and hearing w/o abnormal findings
Z01110	Encounter for hearing exam following failed hear screening
Z01118	Encntr for exam of ears and hearing w oth abnormal findings
Z0112	Encounter for hearing conservation and treatment
Z0120	Encounter for dental exam and cleaning w/o abnormal findings
Z0121	Encounter for dental exam and cleaning w abnormal findings
Z0130	Encounter for exam of blood pressure w/o abnormal findings
Z0131	Encounter for exam of blood pressure w abnormal findings
Z01411	Encntr for gyn exam (general) (routine) w abnormal findings
Z01419	Encntr for gyn exam (general) (routine) w/o abn findings
Z0142	Encntr for cerv smear to cnfrm norm smr fol init abn smear
Z01810	Encounter for preprocedural cardiovascular examination
Z01811	Encounter for preprocedural respiratory examination
Z01812	Encounter for preprocedural laboratory examination
Z01818	Encounter for other preprocedural examination
Z0182	Encounter for allergy testing
Z0183	Encounter for blood typing
Z0184	Encounter for antibody response examination
Z0189	Encounter for other specified special examinations
Z020	Encounter for exam for admission to educational institution
Z021	Encounter for pre-employment examination
Z022	Encounter for exam for admission to residential institution
Z023	Encounter for examination for recruitment to armed forces
Z024	Encounter for examination for driving license
Z025	Encounter for examination for participation in sport
Z026	Encounter for examination for insurance purposes
Z0271	Encounter for disability determination
Z0279	Encounter for issue of other medical certificate
Z0281	Encounter for paternity testing
Z0282	Encounter for adoption services
Z0283	Encounter for blood-alcohol and blood-drug test
Z0289	Encounter for other administrative examinations
Z029	Encounter for administrative examinations, unspecified



Autionity	
Z046	Encntr for general psychiatric exam, requested by authority
Z008	Encounter for other general examination
Z048	Encounter for examination and observation for oth reasons
Z049	Encounter for examination and observation for unspecified reason
Z08	Encntr for follow-up exam after trtmt for malignant neoplasm
Z09	Encntr for f/u exam aft trtmt for cond oth than malig neoplm
Z09	Encounter for follow-up examination after completed treatment for conditions other than malignant neoplasm
Z3200	Encounter for pregnancy test, result unknown
Z3201	Encounter for pregnancy test, result positive
Z3202	Encounter for pregnancy test, result negative
Z760	Encounter for issue of repeat prescription

<sup>1</sup> For reference, see Appendix A for the original list of ICD diagnosis codes here: <u>http://www.dhcs.ca.gov/dataandstats/reports/Documents/MMCD\_Qual\_Rpts/EQRO\_QIPs/CA2011-</u> <u>12 QIP Coll\_ER\_Remeasure\_Report.pdf</u>

**Required exclusions for numerator:** Mental health and chemical dependency services are excluded, using the following codes. Note OHA applies the exclusions at the <u>claim line level</u>. OHA keeps all paid claim lines, as a result, unless the entire claim was denied, the paid lines without mental health and chemical dependency services may still pass through the algorithm and be count towards qualifying visits.

Mental and Behavioral Disorders Value Set				
Principal ICD-9 CM Dia	rincipal ICD-9 CM Diagnosis Principal ICD-10 CM Diagnosis			
	See HEDIS 2018 for details			
(Total of 1,181 diag	nosis codes are included in the HEDIS	2018 Mental and Behavioral Disorders Value S	Set)	
	OR			
Psychiatry	y Value Set			
СРТ				
90785, 907	90785, 90791, 90792, 90832 - 90834, 90836 - 90840, 90845 - 90847, 90849, 90853,			
90863, 908	90863, 90865, 90867 - 90870, 90875, 90876, 90880, 90882, 90885, 90887, 90889, 90899			
	OR			
Electroco	Electroconvulsive Therapy Value Set			
ICD-10 PCS	S Procedure			
GZB0ZZZ, G	GZB0ZZZ, GZB1ZZZ, GZB2ZZZ, GZB3ZZZ, GZB4ZZZ			
L				

Deviations from cited specifications for numerator: None What are the continuous enrollment criteria: None What are allowable gaps in enrollment: N/A Define Anchor Date (if applicable): None

## **APPENDIX - EXHIBIT 2 - VHI CATEGORY ASSIGNMENTS**

Potentially Avoidable ED	Primary ICD Diagnosis Code	Primary ICD Diagnosis Code
Category by VHI	Rollup by Milliman	
Back Problem	<ul> <li>Spondylosis intervertebral disc disorders other back problems</li> <li>Other back problems</li> </ul>	7242, 7245, 72470, 72471, 72479, 7248, M545, M5489, M549, M533, M532x8, M5403, M5404, M5405, M5406, M5407, M5408, M5409, M62830
Ear Infection	<ul> <li>Otitis media and related conditions</li> </ul>	38200, 38201, 3821, 3822, 3823, 3824, 3829, 38302, H66001, H66002, H66003, H66004, H66005, H66006, H66007, H66009, H66011, H66012, H66013, H66014, H66015, H66016, H66017, H66019, H6610, H6611, H6612, H6613, H6620, H6621, H6622, H6623, H663X1, H663X2, H663X3, H663X9, H6640, H6641, H6642, H6643, H6690, H6691, H6692, H6693, H70091, H70092, H70093, H70099
Headache	<ul> <li>Headache including migraine</li> <li>Other headache</li> </ul>	7840, G441, R51
Respiratory Infection	<ul> <li>Acute bronchitis</li> <li>Acute and chronic tonsillitis</li> <li>Other upper respiratory disease</li> <li>Other upper respiratory infections</li> </ul>	460, 462, 4650, 4658, 4659, 4660, 4720, 4721, 4722, 4730, 4731, 4732, 4733, 4738, 4739, 47400, 47401, 47402, 47410, 47411, 47412, 4742, 4748, 4749, J00, J028, J029, J060, J069, J208, J209, J310, J312, J311, J320, J321, J322, J323, J324, J328, J329, J3501, J3502, J3503, J353, J351, J352, J358, J359
Urinary Tract Infection	<ul> <li>Urinary tract infections</li> </ul>	5950, 5951, 5952, 5953, 5954, 59581, 59582, 59589, 5959, 5990, N3000, N3001, N3010, N3011, N3020, N3021, N3030, N3031, N3081, N3080, N3040, N3041, N3090, N3091, N390
Other Potentially Avoidable	<ul> <li>Administrative/social admission</li> <li>Allergic reactions</li> <li>Candidiasis of the mouth (thrush)</li> <li>Chemotherapy</li> <li>Codes related to mental health disorders</li> <li>Disorders of teeth and jaw</li> <li>Female infertility</li> <li>Inflammation infection of eye (except that caused by TB or STD)</li> <li>Inflammation infection of eye (except that caused by tuberculosis or sexually transmitted disease)</li> </ul>	V681, V682, V6881, V6889, V689, Z0271, Z0279, Z760, Z048, Z049, Z0289, Z029, Z020, Z022, Z024, Z025, Z026, Z0282, Z0281, Z0283, Z021, Z023, V727, 1120, V672, V701, V702, V722, 6288, N978, 37200, 37201, 37202, 37203, 37204, 37205, 37210, 37211, 37212, 37213, 37214, 37215, 37220, 37221, 37222, 37230, 37231, 37239, 37333, H1030, H1031, H1032, H1033, H10231, H10232, H10233, H10239, H10011, H10012, H10013, H10019, H10021, H10022, H10023, H10029, H10221,

Other Potentially Avoidable (cont.)	<ul> <li>Inflammatory diseases of female pelvic organs</li> <li>Medical examination/evaluation</li> <li>Mycoses</li> <li>Normal pregnancy and/or delivery</li> <li>Other aftercare</li> <li>Other ear and sense organ disorders</li> <li>Other eye disorders</li> <li>Other infections including parasitic</li> <li>Other inflammatory condition of skin</li> <li>Other miscellaneous mental conditions</li> <li>Other screening for suspected conditions (not mental disorders or infectious disease)</li> <li>Other skin disorders</li> <li>Outcome of delivery (V codes)</li> <li>Radiotherapy</li> <li>Screening and history of mental health and substance abuse codes</li> </ul>	H10222, H10223, H10229, H1010, H1011, H1012, H1013, H10401, H10402, H10403, H10409, H10421, H10422, H10423, H10429, H10431, H10432, H10433, H10439, H1044, H10411, H10412, H10413, H10419, H1045, H1089, H10501, H10502, H10503, H10509, H10521, H10522, H10523, H10529, H10531, H10532, H10533, H10539, H109, H10511, H10512, H10513, H10519, H01141, H01142, H01143, H01144, H01145, H01146, H01149, 6160, 61610, 61611, N72, N760, N761, N762, N763, N771, V6801, V6809, V700, V703, V704, V705, V706, V707, V708, V709, V7231, V7232, V725, V7260, V7261, V7262, V7263, V7269, V7281, V7282, V7263, V7269, V7281, V7282, V7283, V7284, V7285, V7286, V729, Z0000, Z0001, Z008, Z006, Z005, Z0070, Z0071, Z0100, Z0101, Z01110, Z0112, Z0110, Z01118, Z0120, Z0121, Z0110, Z01118, Z0130, Z0131, Z0184, Z01812, Z0182, Z01810, Z0184, Z01812, Z0182, Z0184, L122, H239, V673, H105, H24, H285, H289, V673, H29, V7240, V7241, Z320D, Z3202, 7051, L740, L741, L742, L743, V7242, V671, Z046