



MEDICAL RECORD ONLINE (MRO)

- kumpulan sistematis informasi kesehatan pasien berbasis elektronik yang terhubung dan terintegrasi dengan sistem informasi dalam jejaring layanan kesehatan.
- Mencatat semua data medis, demografis serta setiap event dalam manajemen pasien di layanan kesehatan.
- Rekam medis berbasis komputer akan menghimpun berbagai data klinis pasien baik yang berasal dari hasil pemeriksaan perawat,dokter,dan tenaga kesehatan lain termasuk digitasi dari alat diagnosisi (EKG, radiologi, dll), konversi hasil pemeriksaan laboratorium.



Manfaat MRO

- Memudahan penelusuran dan pengiriman informasi
- Bisa dikaitkan dengan informasi lain yang berasal dari luar rekam medik
- Penyimpanan lebih ringkas
- Data dapat ditampilkan dengan cepat sesuai kebutuhan
- Abstraksi, pelaporan lebih mudah bahkan otomatis
- Kualitas data dan standar dapat dikendalikan
- Dapat diintegrasikan dengan perangkat lunak pendukung keputusan



Masalah pengisian MRO

- ➤ Tidak lengkap dalam pengisisan MRO :
- Anamnesa harus lengkap
- Status present gigi tidak lengkap
- Resep obat tidak diinput
- Pemilihan kode ICD 10 yang tidak sesuai
- Jawaban rujukan yang tidak di input
- Rencana perawatan selanjutnya tidak terisi



KENDALA DI TPKU

 Sarana dan prasarana yang tidak lengkap → tidak tersedianya perangkat PC dan printer di meja dokter gigi → pengisian MRO tidak real time

 Yang melakukan pengisian MRO bukan dokter gigi, tetapi perawat gigi atau petugas administrasi → sering terjadi kesalahan dalam pengisian



ICD 10

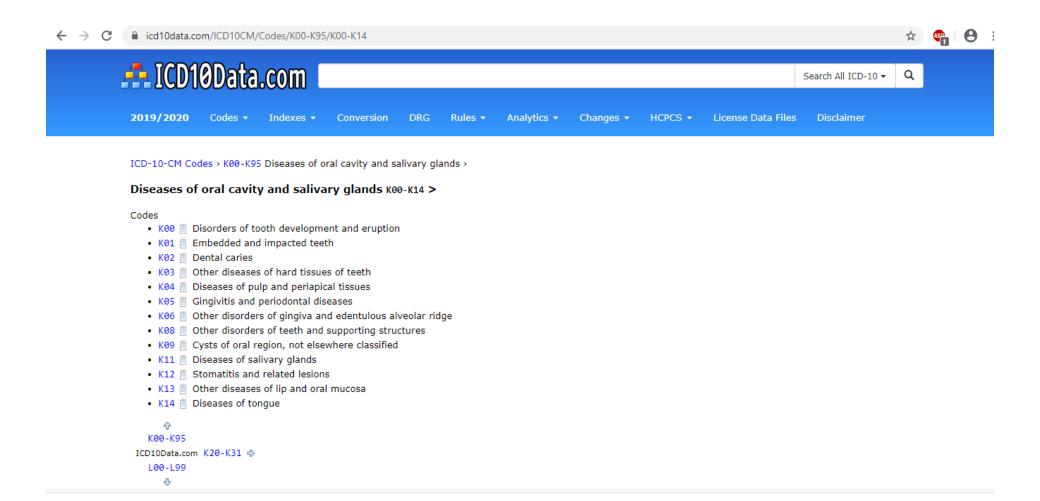
- International Statistical Classification of Diseases and Related Health Problems (ICD) dari WHO adalah sistem klasifikasi yang komprehensif dan diakui secara Internasional.
- sebagai sistem klasifikasi penyakit dan masalah terkait kesehatan digunakan untuk kepentingan informasi statistik morbiditas dan mortalitas.



KEGUNAAN ICD 10

- Mengindeks pencatatan penyakit dan tindakan di sarana pelayanan kesehatan.
- Masukan bagi sistem pelaporan diagnosis medis.
- Memudahkan proses penyimpanan dan pengambilan data terkait diagnosis karakteristik pasien dan penyedia layanan.
- Pelaporan nasional dan internasional morbiditas dan mortalitas.
- Tabulasi data pelayanan kesehatan bagi proses evaluasi perencanaan pelayanan medis.
- Menentukan bentuk pelayanan yang harus direncanakan dan dikembangkan sesuai kebutuhan zaman.
- Analisis pembiayaan pelayanan kesehatan.
- Untuk penelitian epidemiologi dan klinis.





Disorders of tooth development and eruption K00->

Codes

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    ▶ K00 Disorders of tooth development and eruption
    → K00.0 Anodontia
    → K00.1 Supernumerary teeth
    → K00.2 Abnormalities of size and form of teeth
    → K00.3 Mottled teeth
    → K00.4 Disturbances in tooth formation
    → K00.5 Hereditary disturbances in tooth structure, not elsewhere classified
    → K00.6 Disturbances in tooth eruption
    → K00.7 Teething syndrome
    → K00.8 Other disorders of tooth development
    → K00.9 Disorder of tooth development, unspecified
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Dental caries K02- >

Codes

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▶ K02 Dental caries
▶ K02.3 Arrested dental caries
▶ K02.5 Dental caries on pit and fissure surface
▶ K02.51 ..... limited to enamel
▶ K02.52 ..... penetrating into dentin
▶ K02.53 ..... penetrating into pulp
▶ K02.6 Dental caries on smooth surface
▶ K02.61 ..... limited to enamel
▶ K02.62 ..... penetrating into dentin
▶ K02.63 ..... penetrating into pulp
▶ K02.7 Dental root caries
▶ K02.9 Dental caries, unspecified
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Embedded and impacted teeth K01- >

Codes

- ▶ K01 Embedded and impacted teeth
- K01.0 Embedded teeth
- ► K01.1 Impacted teeth

Other diseases of hard tissues of teeth KO3- >

Codes

- ▶ K03 Other diseases of hard tissues of teeth
- K03.0 Excessive attrition of teeth
- K03.1 Abrasion of teeth
- K03.2 Erosion of teeth
- ► K03.3 Pathological resorption of teeth
- ► K03.4 Hypercementosis
- ► K03.5 Ankylosis of teeth
- ► K03.6 Deposits [accretions] on teeth
- K03.7 Posteruptive color changes of dental hard tissues
- ► K03.8 Other specified diseases of hard tissues of teeth
- ► K03.81 Cracked tooth
- ▶ K03.89 Other specified diseases of hard tissues of teeth
- K03.9 Disease of hard tissues of teeth, unspecified

ICD-10-CM Diagnosis Codes K04-*

- ▶ K04 Diseases of pulp and periapical tissues
- ► K04.0 Pulpitis
- → K04.01 Reversible pulpitis
- ► K04.02 Irreversible pulpitis
- → K04.1 Necrosis of pulp
- ► K04.2 Pulp degeneration
- K04.3 Abnormal hard tissue formation in pulp
- ► K04.4 Acute apical periodontitis of pulpal origin
- ▶ K04.5 Chronic apical periodontitis
- K04.6 Periapical abscess with sinus
- ► K04.7 Periapical abscess without sinus
- → K04.8 Radicular cyst
- K04.9 Other and unspecified diseases of pulp and pe...
- ▶ K04.90 Unspecified diseases of pulp and periapical t...
- ► K04.99 Other diseases of pulp and periapical tissues...

ICD-10-CM Diagnosis Codes K05-*

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▶ K05 Gingivitis and periodontal diseases
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- ► K05.00 plaque induced
- ► K05.01 non-plaque induced
- → K05.1 Chronic gingivitis
- ► K05.10 plaque induced
- ► K05.11 non-plaque induced
- K05.2 Aggressive periodontitis
- ► K05.20 unspecified
- ► K05.21 Aggressive periodontitis, localized
- ► K05.211 slight
- ► K05.212 Aggressive periodontitis, localized, moderate...
- ► K05.213 severe
- ► K05.219 Aggressive periodontitis, localized, unspecif...
- K05.22 Aggressive periodontitis, generalized
- ► K05.221 Aggressive periodontitis, generalized, slight...
- ► K05.222 Aggressive periodontitis, generalized, modera...
- ► K05.223 Aggressive periodontitis, generalized, severe...
- ► K05.229 Aggressive periodontitis, generalized, unspec...
- ▶ K05.22 Aggressive periodontitis, generalized
- ► K05.221 slight
- ► K05.222 moderate
- ▶ K05.223 severe
- ▶ K05.229 unspecified severity
- ▶ K05.3 Chronic periodontitis
- ► K05.30 unspecified
- ► K05.31 Chronic periodontitis, localized
- -- N05.311 slight
- → K05.312 moderate
- ► K05.313 severe
- ► K05.319 unspecified severity
- ▶ K05.32 Chronic periodontitis, generalized
- ► K05.321 slight
- ► K05.322 moderate
- ► K05.323 severe
- ► K05.329 unspecified severity
- ► K05.4 Periodontosis
- ▶ K05.5 Other periodontal diseases
- ► K05.6 Periodontal disease, unspecified



ICD-10-CM Diagnosis Codes K06-*

- ▶ K06 Other disorders of gingiva and edentulous alv...
- ► K06.0 Gingival recession
- K06.01 Gingival recession, localized
- ► K06.010 Localized gingival recession, unspecified
- K06.011 Localized gingival recession, minimal
- K06.012 Localized gingival recession, moderate
- ► K06.013 Localized gingival recession, severe
- ► K06.02 Gingival recession, generalized
- ► K06.020 Generalized gingival recession, unspecified
- ► K06.021 Generalized gingival recession, minimal
- ► K06.022 Generalized gingival recession, moderate
- ► K06.023 Generalized gingival recession, severe
- ► K06.1 Gingival enlargement
- K06.2 Gingival and edentulous alveolar ridge lesion...
- K06.3 Horizontal alveolar bone loss
- K06.8 Other specified disorders of gingiva and eden...
- K06.9 Disorder of gingiva and edentulous alveolar r...



ICD-10-CM Diagnosis Codes K08-*

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▶ K08 Other disorders of teeth and supporting struc...
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- K08.0 Exfoliation of teeth due to systemic causes
- ► K08.1 Complete loss of teeth
- ► K08.10 Complete loss of teeth, unspecified cause
- K08.101 Complete loss of teeth, unspecified cause, cl...
- ► K08.102 Complete loss of teeth, unspecified cause, cl...
- ► K08.103 Complete loss of teeth, unspecified cause, cl...
- ► K08.104 Complete loss of teeth, unspecified cause, cl...
- ► K08.109 Complete loss of teeth, unspecified cause, un...
- ▶ K08.11 Complete loss of teeth due to trauma
- ► K08.111 Complete loss of teeth due to trauma, class I...
- ▶ K08.112 Complete loss of teeth due to trauma, class I...
- ▶ K08.113 Complete loss of teeth due to trauma, class I...
- ▶ K08.114 Complete loss of teeth due to trauma, class I...
- ► K08.119 Complete loss of teeth due to trauma, unspeci...
- K08.12 Complete loss of teeth due to periodontal dis...
- ► K08.121 Complete loss of teeth due to periodontal dis...
- ► K08.122 Complete loss of teeth due to periodontal dis...
- ► K08.123 Complete loss of teeth due to periodontal dis...
- ► K08.124 Complete loss of teeth due to periodontal dis...
- ► K08.129 Complete loss of teeth due to periodontal dis...
- ► K08.13 Complete loss of teeth due to caries
- → K08.131 class I
- K08.132 class II
- → K08.133 class III
- ▶ K08.134 class IV
- ► K08.139 unspecified class
- K08.19 Complete loss of teeth due to other specified cause
- Nos.191 class I
- → K08.192 class II
- No. 193 class III
- ► K08.194 class IV
- ► K08.199 unspecified class
- K08.2 Atrophy of edentulous alveolar ridge
- K08.20 Unspecified atrophy of edentulous alveolar ridge
- K08.21 Minimal atrophy of the mandible
- ► K08.22 Moderate atrophy of the mandible
- ► K08.23 Severe atrophy of the mandible
- ► K08.24 Minimal atrophy of maxilla
- K08.25 Moderate atrophy of the maxilla
- ► K08.26 Severe atrophy of the maxilla

- Nos.3 Retained dental root
- K08.4 Partial loss of teeth
- ▶ K08.40 Partial loss of teeth, unspecified cause
- ► K08.401 class I
- → K08.402 class II
- ▶ K08.403 class III
- ► K08.404 class IV
- K08,409 unspecified class
- ▶ K08.41 Partial loss of teeth due to trauma
- → K08.411 class I
- ► K08.412 class II
- K08,413 class III
- ► K08.414 class IV
- ► K08.419 unspecified class
- K08.42 Partial loss of teeth due to periodontal diseases
- → K08.421 class I
- ► K08.422 class II
- ▶ K08,423 class III
- ► K08.424 class IV
- ► K08.429 unspecified class
- ▶ K08.43 Partial loss of teeth due to caries
- ► K08.431 class I
- → K08.432 class II
- ▶ KØ8.433 class III
- K08.434 class IV
- ► K08.439 unspecified class
- ► K08.49 Partial loss of teeth due to other specified cause
- ► K08.491 class I
- ► K08.492 class II
- ► K08.493 class III
- ► K08.494 class IV
- ► K08.499 unspecified class ▶ K08.5 Unsatisfactory restoration of tooth
- ► K08.50 unspecified
- K08.51 Open restoration margins of tooth
- ► K08.52 Unrepairable overhanging of dental restorative materials
- ► K08.53 Fractured dental restorative material
- ► K08.530 without loss of material
- ► K08.531 with loss of material
- ► K08.539 unspecified
- ▶ K08.54 Contour of existing restoration of tooth biologically incompatible with oral health
- ► K08.55 Allergy to existing dental restorative material
- ► K08.56 Poor aesthetic of existing restoration of tooth
- ► K08.59 Other unsatisfactory restoration of tooth
- K08.8 Other specified disorders of teeth and supporting structures
- ► K08.81 Primary occlusal trauma
- ► K08.82 Secondary occlusal trauma
- ▶ K08.89 Other specified disorders of teeth and supporting structures
- K08.9 Disorder of teeth and supporting structures, unspecified

ICD-10-CM Diagnosis Codes K09-*

- ▶ K09 Cysts of oral region, not elsewhere classifie...
- K09.0 Developmental odontogenic cysts
- K09.1 Developmental (nonodontogenic) cysts of oral ...
- ► K09.8 Other cysts of oral region, not elsewhere cla...
- ► K09.9 Cyst of oral region, unspecified

ICD-10-CM Diagnosis Codes K11-*

- ▶ K11 Diseases of salivary glands
- ► K11.0 Atrophy of salivary gland
- ► K11.1 Hypertrophy of salivary gland
- K11.2 Sialoadenitis
- ► K11.20 unspecified
- ► K11.21 Acute sialoadenitis
- K11.22 Acute recurrent sialoadenitis
- ► K11.23 Chronic sialoadenitis
- → K11.3 Abscess of salivary gland
- ► K11.4 Fistula of salivary gland
- ► K11.5 Sialolithiasis
- ► K11.6 Mucocele of salivary gland
- K11.7 Disturbances of salivary secretion
- ► K11.8 Other diseases of salivary glands
- K11.9 Disease of salivary gland, unspecified



ICD-10-CM Diagnosis Codes K12-*

- ▶ K12 Stomatitis and related lesions
- K12.0 Recurrent oral aphthae
- K12.1 Other forms of stomatitis
- ► K12.2 Cellulitis and abscess of mouth
- K12.3 Oral mucositis (ulcerative)
- ► K12.30 unspecified
- K12.31 Oral mucositis (ulcerative) due to antineopla...
- K12.32 Oral mucositis (ulcerative) due to other drug...
- ► K12.33 due to radiation
- ► K12.39 Other oral mucositis (ulcerative)



ICD-10-CM Diagnosis Codes K13-*

K13 Other diseases of lip and oral mucosa → K13.0 Diseases of lips K13.1 Cheek and lip biting K13.2 Leukoplakia and other disturbances of oral ep... ► K13.21 Leukoplakia of oral mucosa, including tongue K13.22 Minimal keratinized residual ridge mucosa K13.23 Excessive keratinized residual ridge mucosa ► K13.24 Leukokeratosis nicotina palati K13.29 Other disturbances of oral epithelium, includ... K13.3 Hairy leukoplakia ▶ K13.4 Granuloma and granuloma-like lesions of oral ... K13.5 Oral submucous fibrosis K13.6 Irritative hyperplasia of oral mucosa K13.7 Other and unspecified lesions of oral mucosa K13.70 Unspecified lesions of oral mucosa K13.79 Other lesions of oral mucosa

ICD-10-CM Diagnosis Codes K14-*

- K14 Diseases of tongue
 K14.0 Glossitis
 K14.1 Geographic tongue
 K14.2 Median rhomboid glossitis
 K14.3 Hypertrophy of tongue papillae
 K14.4 Atrophy of tongue papillae
- → K14.5 Plicated tongue
- ► K14.6 Glossodynia
- ► K14.8 Other diseases of tongue
- K14.9 Disease of tongue, unspecified

Z01.2 Encounter for dental examination and cleaning
 Z01.20 without abnormal findings
 Z01.21 with abnormal findings

•Kode ICD 10 dapat diakses :

- https://www.who.int/classifications/icd/icdonlineversions/en/
- https://www.icd10data.com/ICD10CM/Codes



KASUS YANG TERBANYAK DI TPKU TAHUN 2019

L		MEDIKA MULIA DR GIGI				2				EPOK	3		THC BOGOR		
	NO					_ '	NO	DR GIGI				NO	DR GIGI		
L		ICDX	KUNJ	TOTAL				ICDX	KUNJ	TOTAL			ICDX	KUNJ	TOTAL
	1	K04	1465	588.722.033			1	K04	751	227.995.404		1	K04	489	95.035.594
	2	K02	928	260.036.580			2	K02	429	144.123.269		2	K02	486	165.104.358
	3	K05	354	145.711.257			3	K03	215	90.110.262		3	K05	241	125.402.635
		BHAKTI ASIH				5		KLINIK GRACIA			6	6	TPKU GATSU		
	NO	DR GIGI				I	NO	DR GIGI				NO	DR GIGI		
		ICDX	KUNJ	TOTAL				ICDX	KUNJ	TOTAL			ICDX	KUNJ	TOTAL
	1	K04	174	82.596.436			1	K04	4	2.004.866		1	K04	1254	105.998.862
Г	2	K05	20	15.255.742			2	K02	1	216.423		2	K02	319	20.822.452
Г	3	K02	13	11.566.044			3	-	-	-		3	K08	260	24.997.207
Т												4	K01	125	58.924.938
7		PURIMEDIKA CIBINONG													
	NO	DR GIGI													
		ICDX	KUNJ	TOTAL											
	1	K04	17	14.462.516											
Г	2	K05	7	5.874.399											
П	3	K02	6	6.172.543											



KESIMPULAN

- Pentingnya kelengkapan dalam pengisian MRO
- Persamaan persepsi kode ICD 10
- Selektifitas rujukan → konsultasi/konfirmasi dengan Yakes
- PIC : drg. Army 08119100239
- Apabila ingin merujuk untuk pembuatan prothesa ke TPKK → kondisi rongga mulut sudah harus siap untuk di cetak , serta membawa surat keterangan dari dokter gigi TPKU





