



PERAWATAN KLIEN GAGAL GINJAL KRONIS DI KELUARGA/KOMUNITAS

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Unknown

SINTA ID : 55184

Nursing

Family and Community Health Nursing

Gerontic Nursing

Adolescent Health

Maternal and Child Health Care



2.097

SINTA Score Overall



1.202

SINTA Score 3Yr



0

Affil Score



0

Affil Score 3Yr

Articles

Researches

Community Services

IPRs

Books

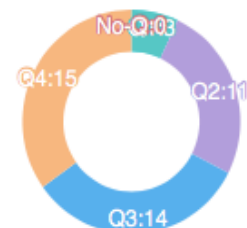
Metrics

Metrics Score

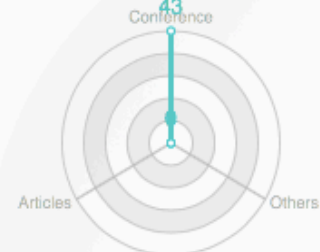
Code	Name	Weight	V3 Overall _{SINTA}		V3 3Yr _{SINTA}		Weight	V3 Overall _{AFFIL}		V3 3Yr _{AFFIL}	
			Value	Total	Value	Total		Value	Total	Value	Total
A1	SCOPUS ARTICLE (SINGLE AUTHOR)	40	2	80	2	80	0	2	0	2	0
A2	SCOPUS NON ARTICLE (SINGLE AUTHOR)	30	0	0	0	0	0	0	0	0	0
A3	SCOPUS ARTICLE Q1 (FIRST AUTHOR)	24	2	48	2	48	0	2	0	2	0
A4	SCOPUS ARTICLE Q2 (FIRST AUTHOR)	22	5	110	3	66	0	5	0	3	0
A5	SCOPUS ARTICLE Q3 (FIRST AUTHOR)	20	9	180	4	80	0	9	0	4	0

Summary

Article Quartile



Research Output



Scopus

GScholar

WOS

Article

43

388

24

Citation

156

1078

60

Cited Document

25

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16

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17

5

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1

G-Index

2

26

1

Konten



Kerentanan klien gagal ginjal kronis di keluarga dan komunitas

Perawatan klien gagal ginjal kronis di keluarga dan komunitas

Dampak gagal ginjal kronis di keluarga dan komunitas

Perawatan berkelanjutan bagi klien gagal ginjal kronis di keluarga dan komunitas





Introduction



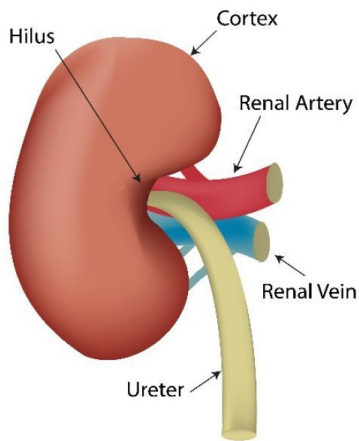
Prolog



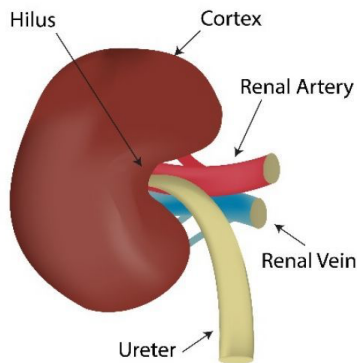
Global Burden of Disease tahun 2010

Kidney Disease

Normal Kidney



Diseased Kidney



Prevalensi di Indonesia laki-laki (0,3%) & perempuan (0,2%)

Stadium	LFG (ml/min/1,73 m ²)	Terminologi
G1	≥ 90	Normal atau meningkat
G2	60 – 89	Ringan
G3a	45 – 59	Ringan - sedang
G3b	30 – 44	Sedang – berat
G4	15 – 29	Berat
G5	< 15	Terminal



Apa itu CKD?

Structural or functional abnormalities of the kidneys for ≥ 3 months, as manifested by either:

1. Kidney damage, with or without decreased GFR, as defined by

- pathologic abnormalities
- markers of kidney damage, including abnormalities in the composition of the blood or urine or abnormalities in imaging tests

2. $\text{GFR} < 60 \text{ ml/min/1.73 m}^2$, with or without kidney damage



Who is at Risk for CKD?



- Family history of heritable renal disease
- Diabetes
- Hypertension
- Auto-immune disease
- Old age
- Prior episode of ARF
- Current evidence of renal damage, even with normal or increased GFR



CKD Risk Factors*



Modifiable

- Diabetes
- Hypertension
- History of AKI
- Frequent NSAID use

Non-Modifiable

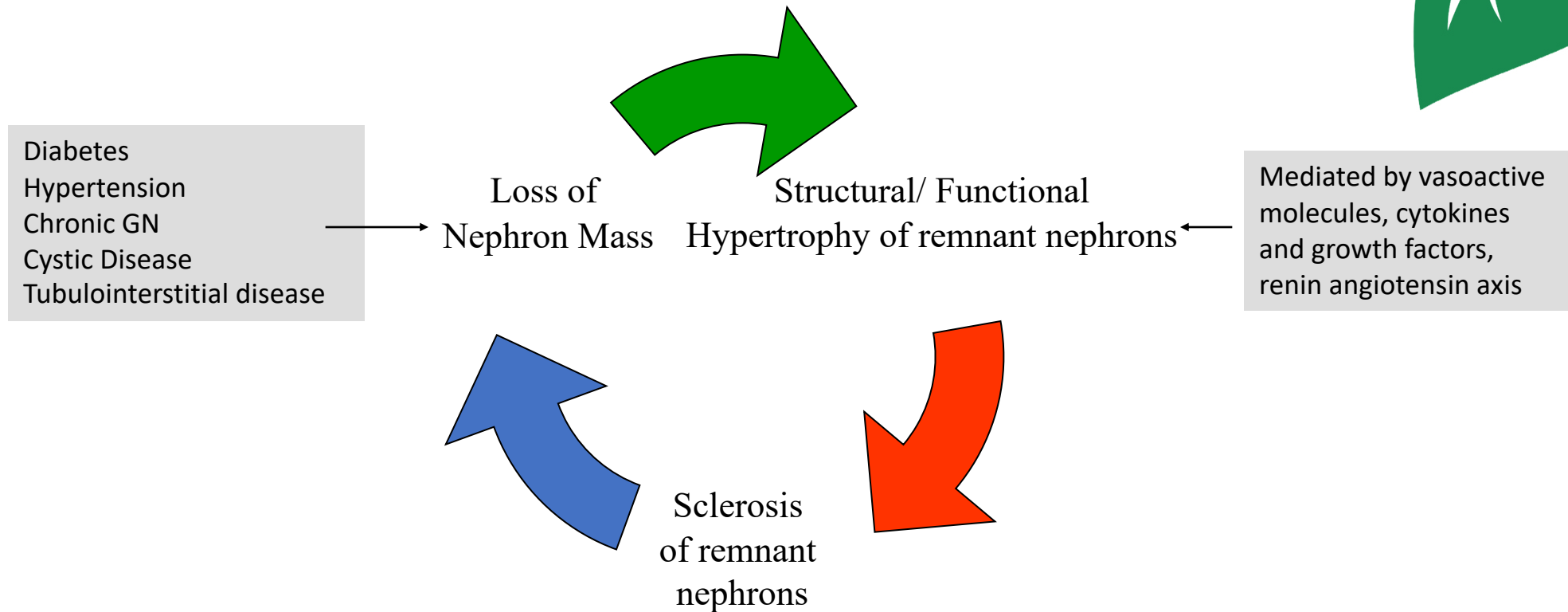
- Family history of kidney disease, diabetes, or hypertension
- Age 60 or older (GFR declines normally with age)
- Race/U.S. ethnic minority status



Pathophysiology of CKD



- Final Common Pathway is loss of nephron mass



Estimation of GFR

- Modification of Diet in Renal Disease (MDRD) Formula
 - Estimated GFR = $1.86 (\text{Serum Creat})^{-1.154} \times (\text{age})^{-0.203}$
 - Multiply by 0.742 for women
 - Multiply by 1.21 for African Americans
- Cockcroft Gault Formula
 - $\frac{(140 - \text{age}) \times \text{Body Weight (Kg)}}{72 \times \text{Serum Creatinine (mg/dL)}}$
 - Multiply by 0.85 for women



Staging of Chronic Kidney Disease



Stage	Description	GFR (ml/min/1.73 m ²)
	At increased risk	90 (with CKD risk factors)
1	Kidney damage with normal or increased GFR	90
2	Mildly decreased GFR	60-89
3	Moderately decreased GFR	30-59
4	Severely decreased GFR	15-29
5	Renal Failure	<15 (or dialysis)

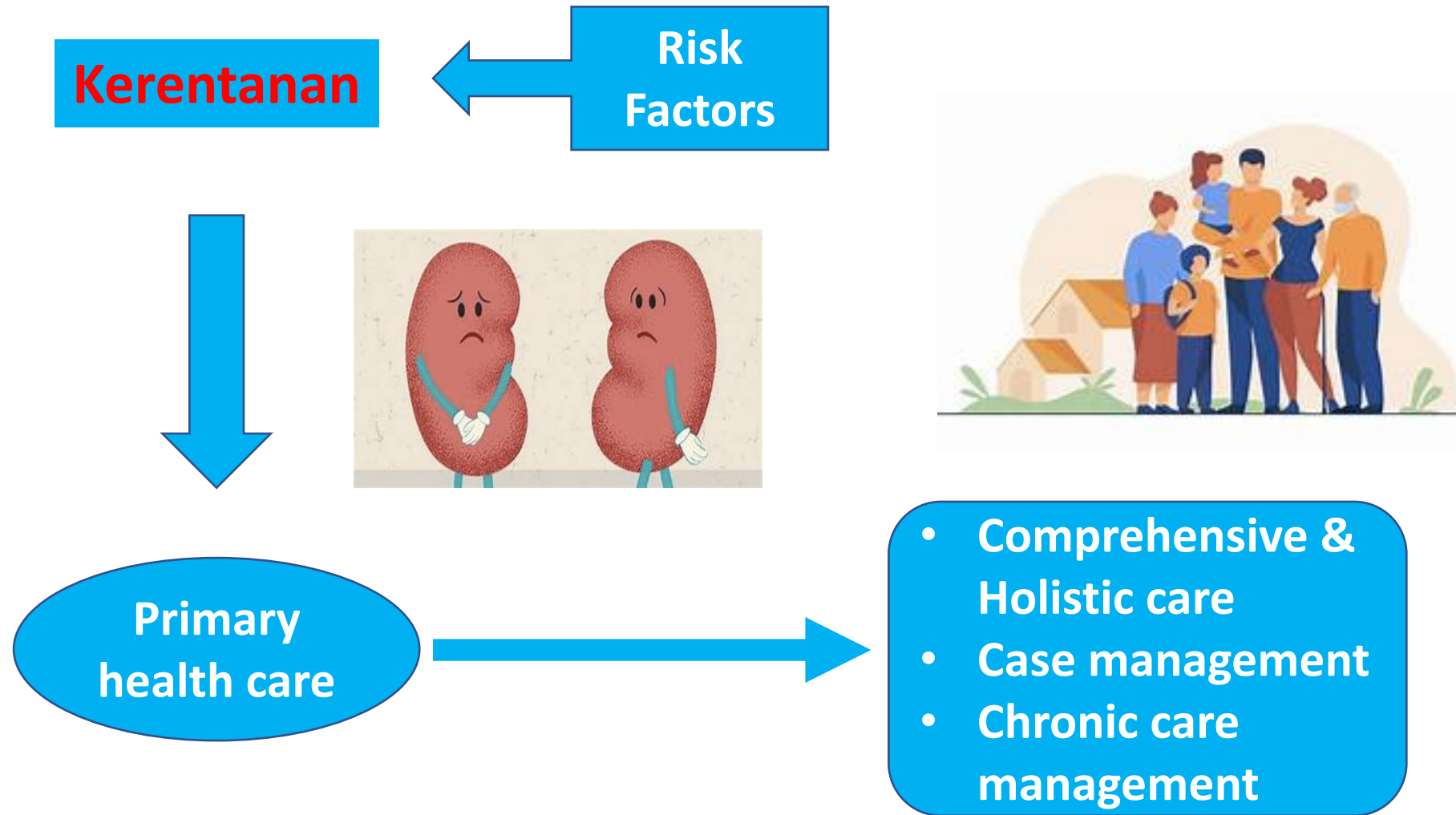




Kerentanan klien gagal ginjal kronis di keluarga dan komunitas



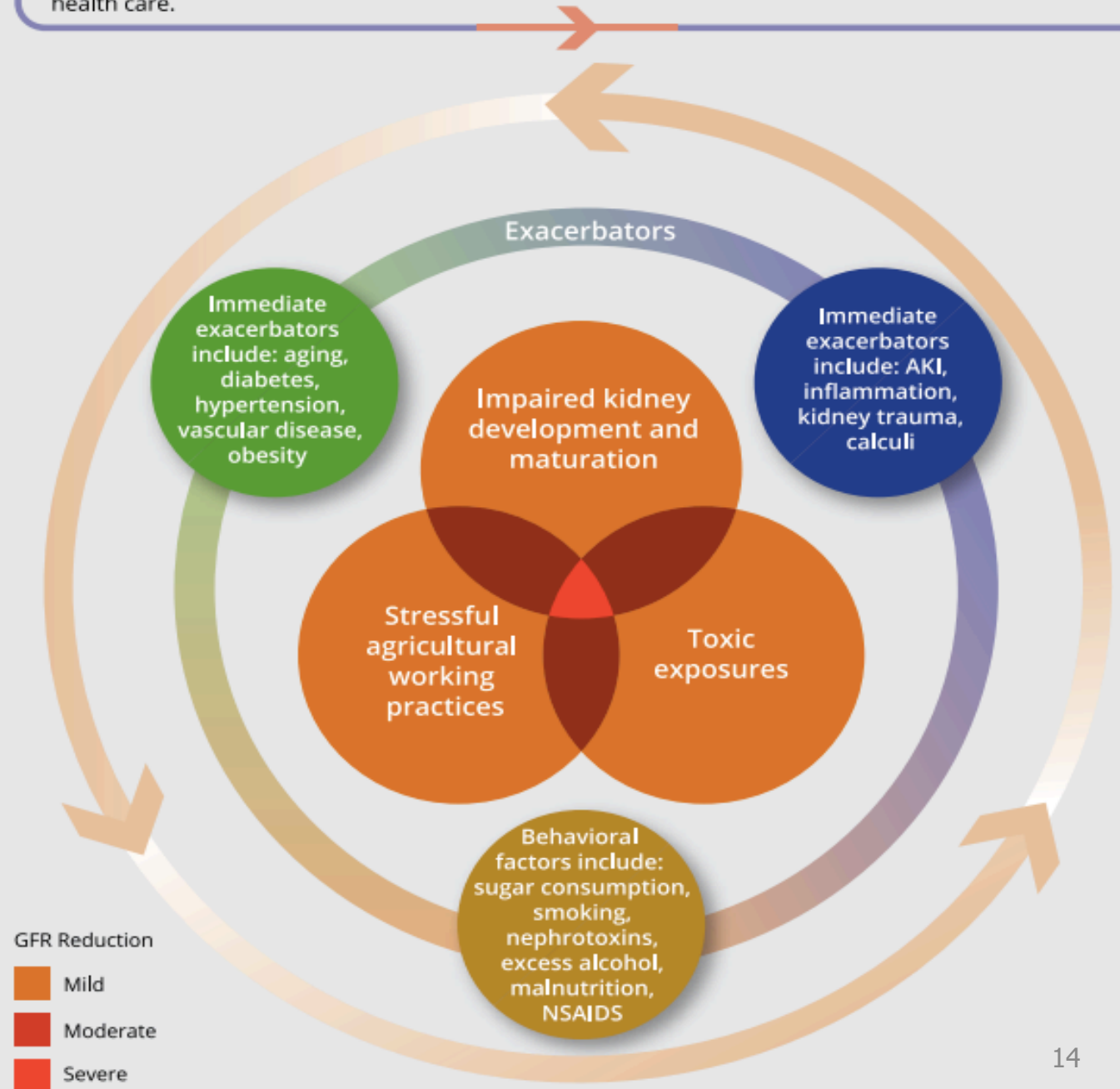
Vulnerabilitas Gagal Ginjal Kronis



Determinan perawatan GJK



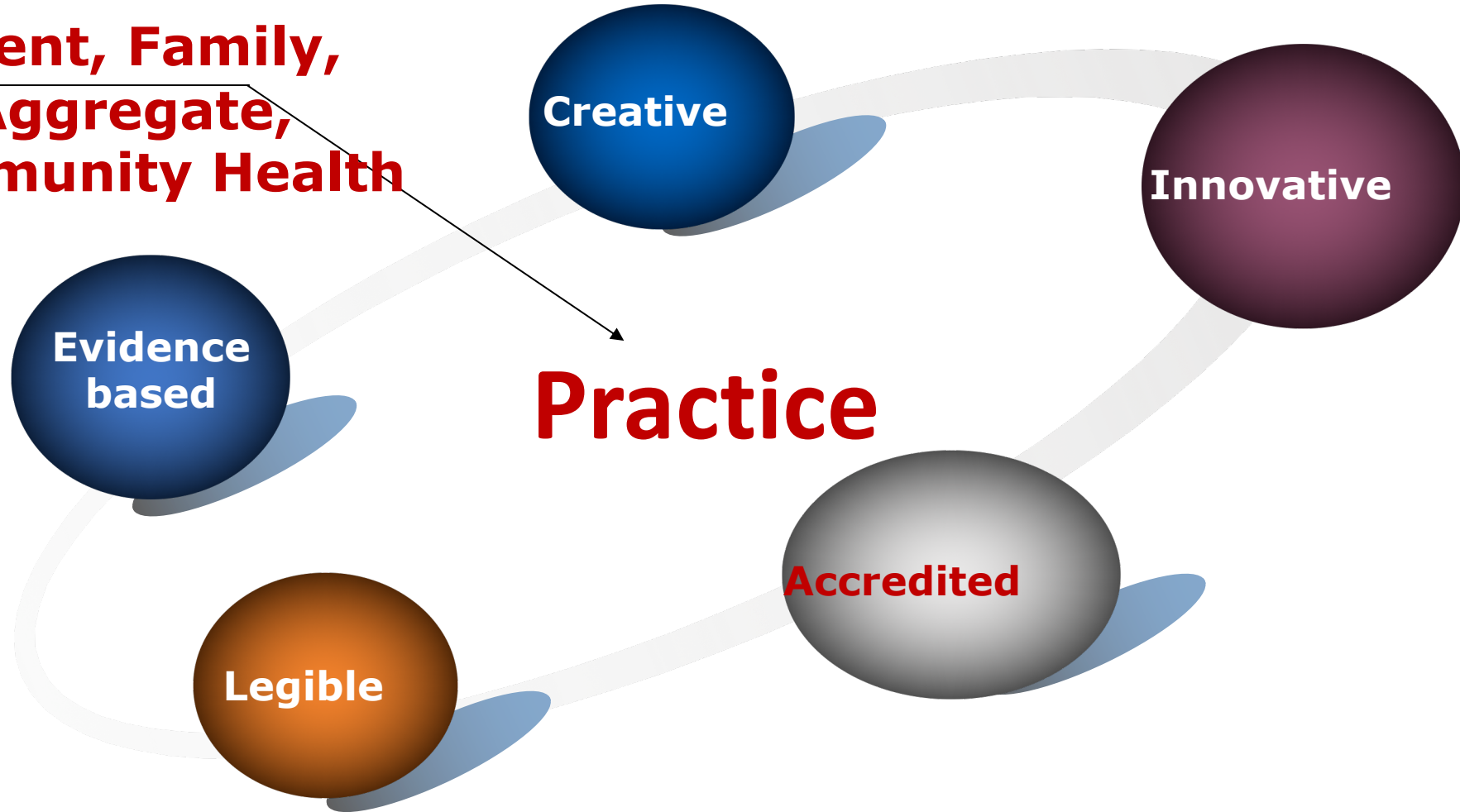
Context: Social determinants of health, low socioeconomic status, unsustainable agricultural working practices, lack of regulatory systems for occupational and environmental hygiene practices, and lack of health care.



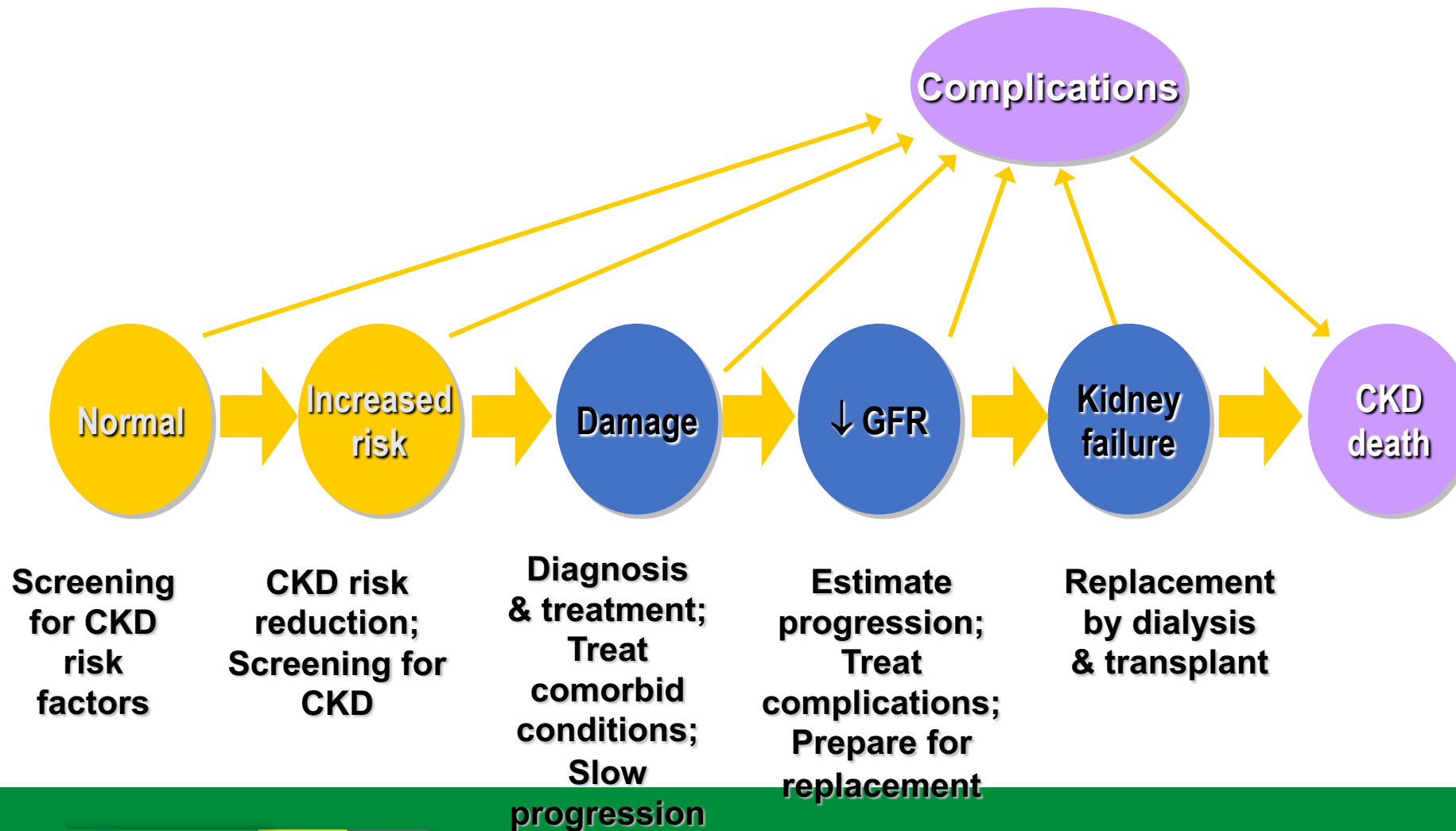
Perawatan GKG dengan pelibatan Keluarga



**Client, Family,
Aggregate,
Community Health**



Stages in Progression of Chronic Kidney Disease and Therapeutic Strategies





What about PHC

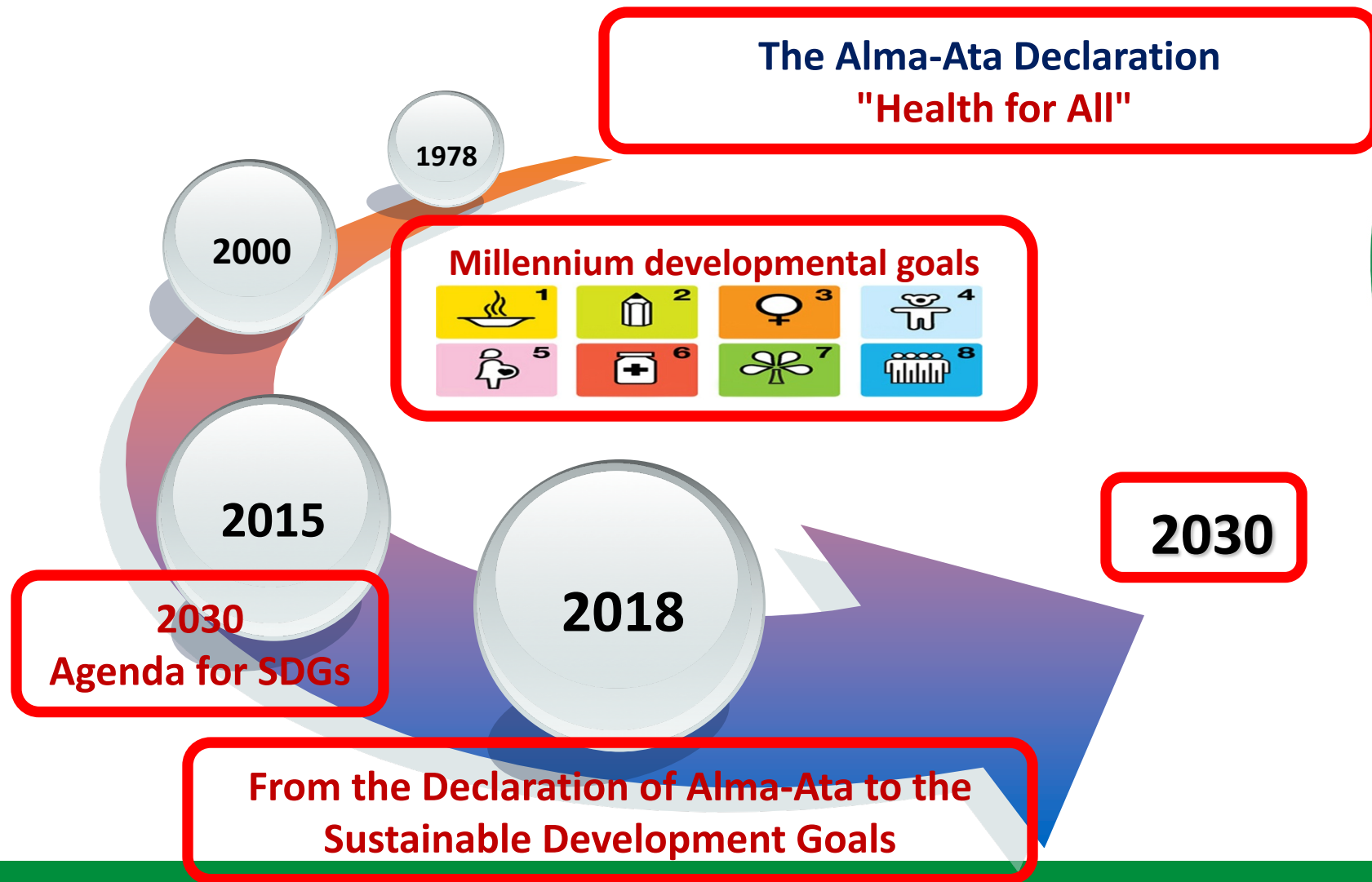
From Alma-Ata to Astana: Primary health care – reflecting on the past, transforming for the future

PHC

UHC

SDGs

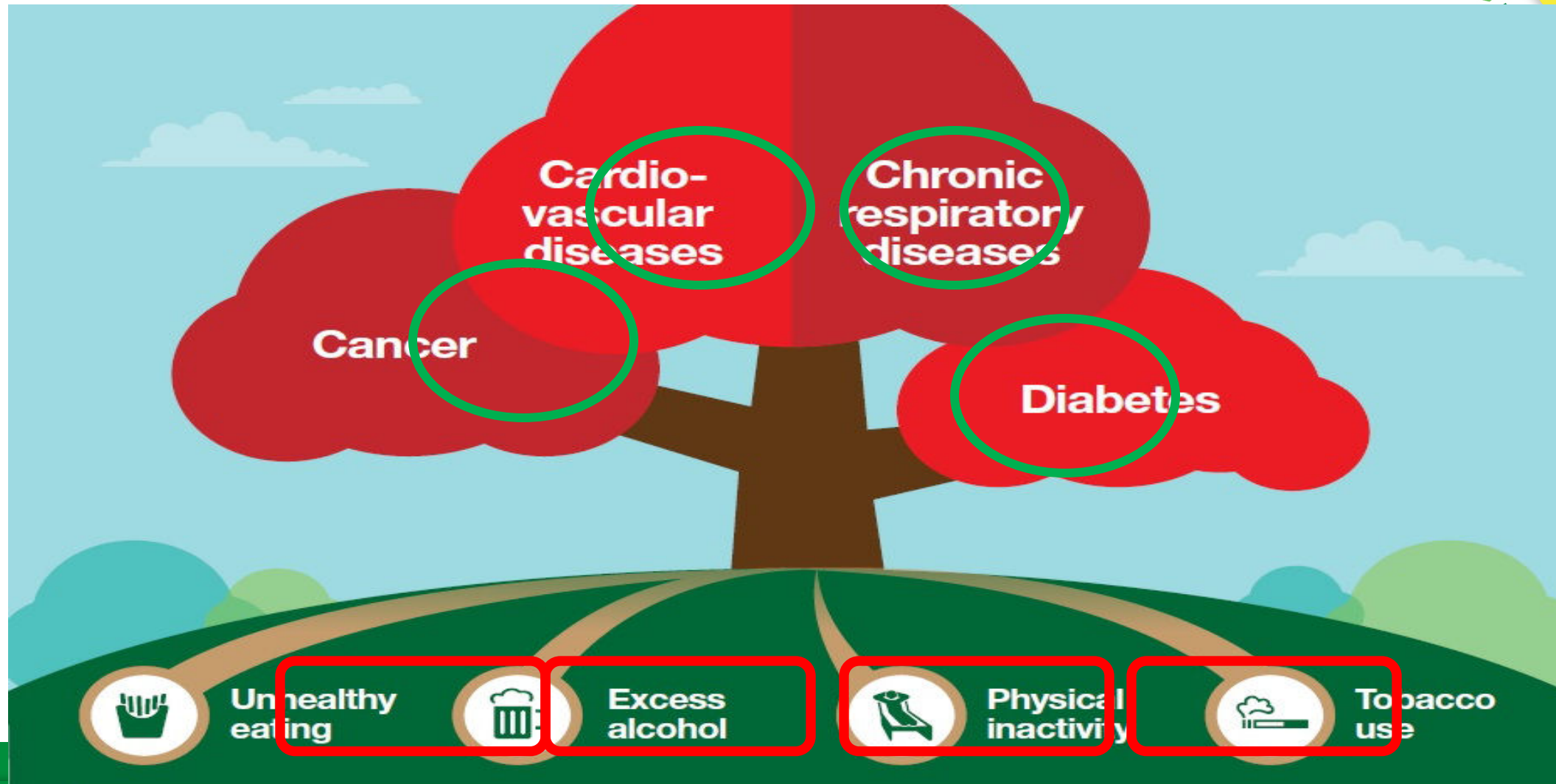




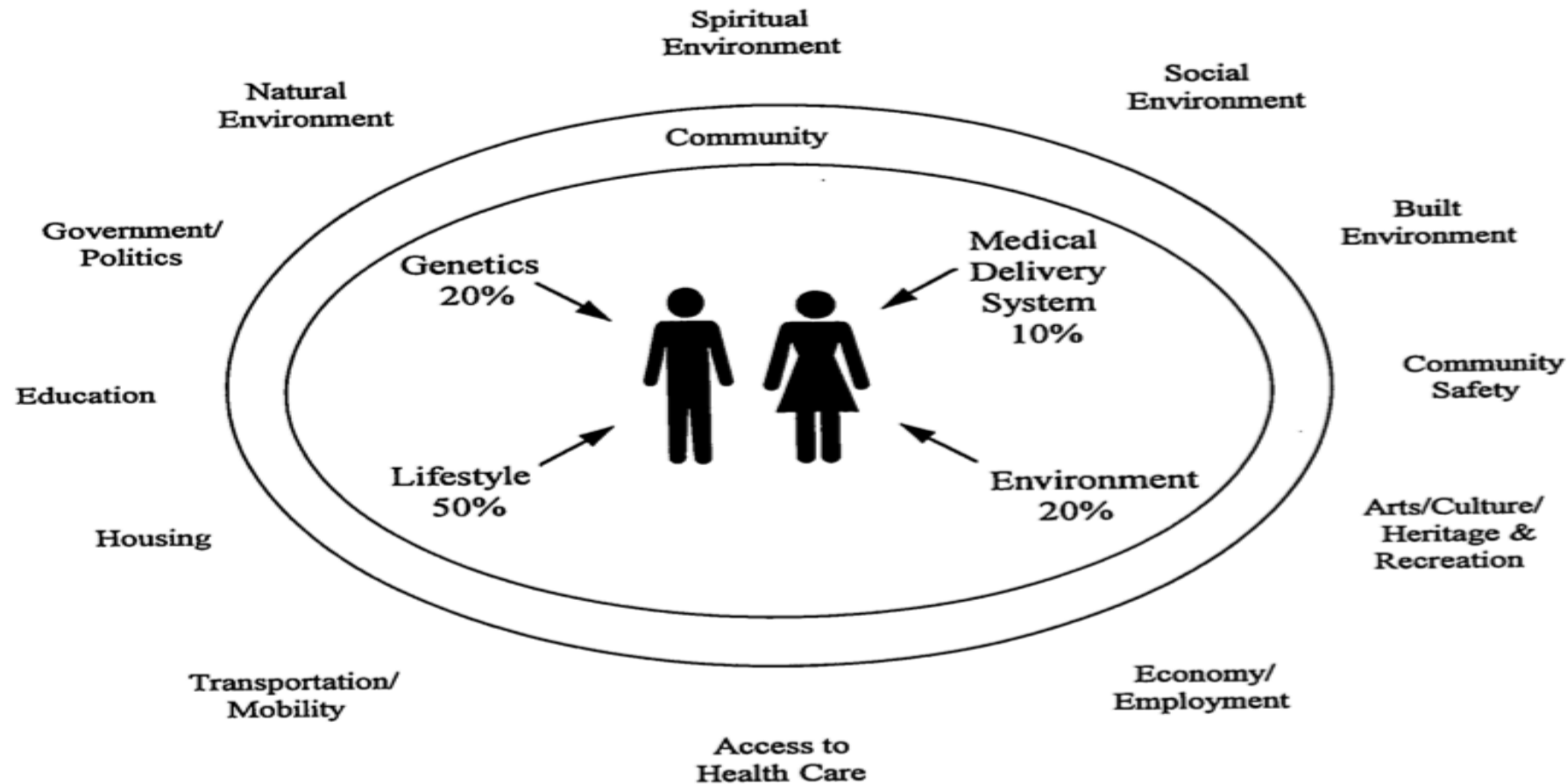
Sustainable Development Goals



Agronursing for NCDs



Individual and community factors that influence health



Chronic Disease Model for Systematic Care Management

--> Chronic renal failure ?



Pengembangan Posbindu PTM Screening CRF



[illegible][illegible][illegible][illegible][illegible]



Perawatan klien gagal ginjal kronis di keluarga dan komunitas



Keluarga dalam perawatan



Perawat yang bekerja di Komunitas, umumnya melibatkan keluarga dalam perawatan

CHN harus mampu memahami interaksi dan dinamika keluarga, sehingga mampu memberikan asuhan keperawatan yang tepat (pengkajian, diagnosis, perencanaan, tindakan, dan evaluasi)

Pemahaman terhadap dinamika keluarga dan konteks komunitas membantu perawat dalam perencanaan perawatan

Saat keluarga sebagai klien, perawat menentukan status kesehatan keluarga dan individu anggota keluarga, tingkat fungsi keluarga, kekuatan dan kelemahan interaksi keluarga



Tugas Kesehatan Keluarga (Bailon & Maglaya, 1978)



KMK Mengenal
Masalah

KMK Mengambil
Keputusan

KMK Merawat

KMK
Memelihara
lingkungan

KMK mengakses
layanan sosial dan
kesehatan



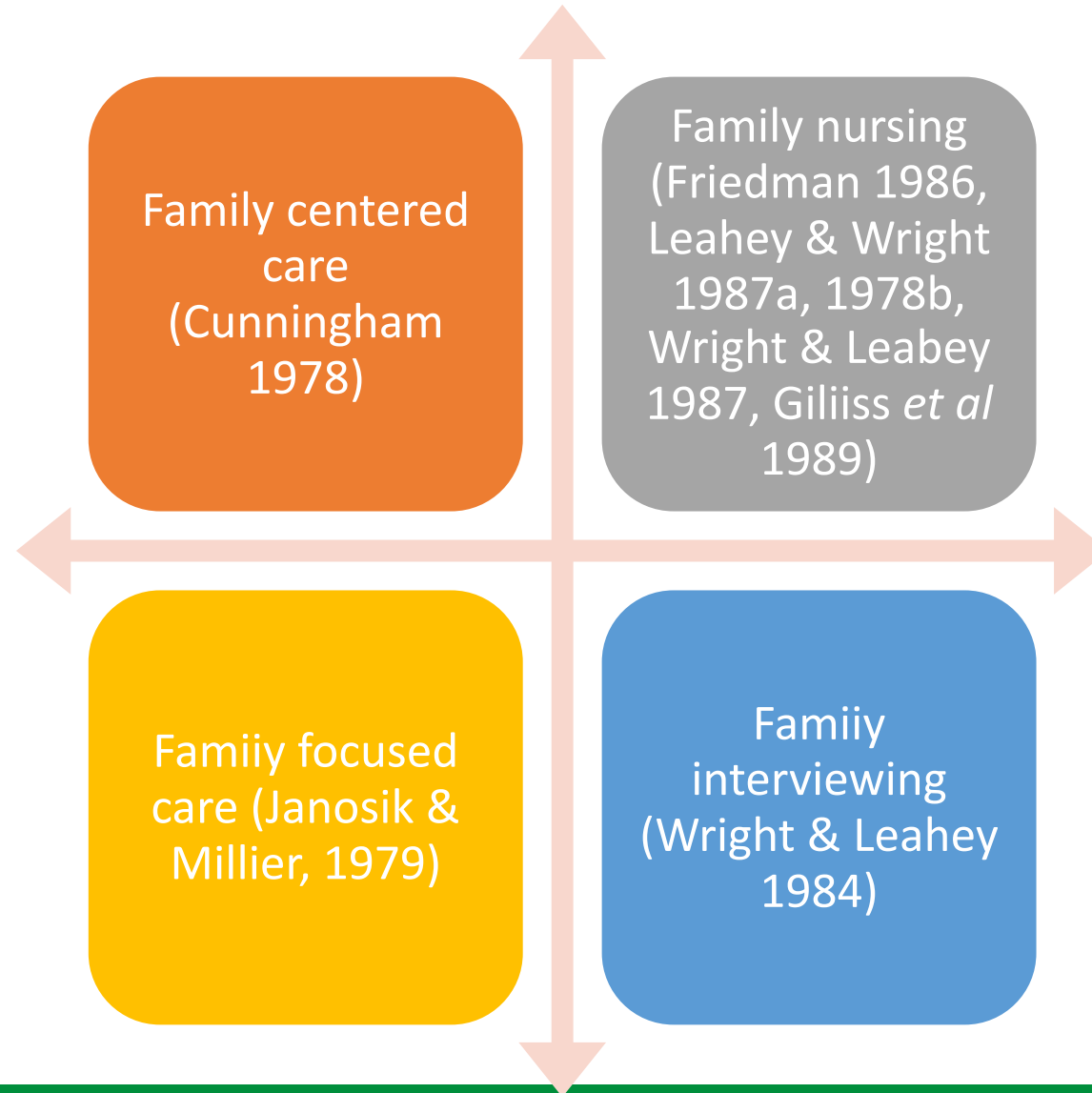
FUNGSI PERAWATAN KESEHATAN--- (Friedman, 2003)?



- Keyakinan kesehatan, nilai2, perilaku keluarga
- Definisi sehat-sakit dari keluarga dan tingkatan pengetahuannya
- Status kesehatan yang diketahui keluarga dan kerentanan terhadap penyakit
- Praktik diit keluarga
- Kebiasaan tidur dan istirahat
- Latihan fisik rekreasi
- Kebiasaan penggunaan obat2an keluarga
- Peran keluaraga dalam praktik perawatan diri
- Tindakan preventif medis dasar
- Praktik perawatan gigi
- Riwayat kesehatan keluarga
- Pelayanan kesehatan yang diterima
- Perasaan dan persepsi terhadap yankes yang diterima
- Pelayanan perawatan gawat darurat
- Sumber pembiayaan
- Logistik perawatan yang diperoleh



TREND: INCREASED DIVERSITY IN CLINICAL PRACTICE



Pencegahan PGK Bila ditemukan Tanda dan Gejala



C: Cek
kesehatan
secara
berkala,

R: Rajin
aktifitas
fisik,

I: Istirahat
yang cukup
dan

E:
Enyahkan
asap
rokok,

D: Diet
sehat
dengan
kalori
seimbang,

K: Kelola
stress



Terapi PGK



Pencegahan Primer



Terapi
dengan obat-
obatan

Transplantasi
(cangkok)
ginjal

Dialisis (cuci
darah)

Modifikasi
gaya hidup



Pedoman untuk gaya hidup pasien dengan gagal ginjal kronik



Berhenti merokok

Mengurangi berat badan → IMT 18.5- 24.9 kg/m²

Kontrol protein diet (0.8- 1.0 g/kg/ hari)

Asupan alkohol

Olahraga (30-60 menit) / 4-7 hari per minggu

Asupan garam (65- 100mmol/hari)



What can primary care providers do?



Recognize
and test at-
risk patients

Manage
blood
pressure and
diabetes

Monitor eGFR
and ACR
(encourage
labs to report
these tests)

Educate
patients
about CKD
and
treatment

Address other
CVD risk
factors



What can primary care providers do?



Evaluate and manage anemia, malnutrition, CKD-MBD, and other complications in at-risk patients

Refer to dietitian for nutritional guidance

Consider patient safety issues in CKD

Consult or team with a nephrologist (co-management)

Refer patient to nephrology when appropriate



Intervensi



Intervensi

- Terapi yang diberikan
- Aktivitas perawat

Tindakan

- Sesuatu yang dilakukan
- Kemajuan dari suatu asuhan

SIKI

- Intervensi utama
- Intervensi tambahan





Dampak gagal ginjal kronis di keluarga dan komunitas



The impact on family life



Time management

- A patient who needs dialysis for three days or nights a week in a center, needs good time management to balance their dialysis schedule with other activities, and needs as well.
- That time-balancing-act may well take a few weeks to adjust and figure out a new schedule that works for you and your family.

Nutrition

- As limits on potassium, phosphorus, salt and fluids intake are often recommended for people with kidney disease, meal preparation has to be adjusted for the patient and their family.
- Trying a “build your own” meal approach, where each family member can add ingredients to their own plate.



The impact on the patient



How kidney disease feels physically

- The symptoms of kidney disease may physically include the feeling of having a flu all the time. For example, the person with kidney disease may feel:

Tiredness and weakness

- They may feel tired and weak, so that it's hard for them to manage walking up a flight of stairs or take a walk around the block. They may feel the need to sleep more than they usually do.

Coldness and temperature

- They may feel cold all the time, as if they have a fever.

Lack of concentration and forgetfulness

- They may have trouble concentrating or may forget things more than is usual for them. These symptoms are most often due to anemia - a shortage of red blood cells - which can be treated.



Family Issues

- How can a parent handle having to make difficult medical decisions for a child who has chronic kidney disease?
- How can the parents of a child who has kidney disease handle discipline?
- How should parents talk to their child about the death of a close friend in the dialysis unit?
- How should parents explain kidney disease?
- Can the responsibility of helping a parent who has chronic kidney disease be harmful for a young child or teenager?
- What is the best way to help an elderly parent who has chronic kidney disease?
- What should the family do if the patient is not following medication and diet guidelines?



The most frequently mentioned outcomes of caregiving over a lengthy period of time

- Loneliness and isolation.
- Depression.
- Frustration, anger, and guilt.
- Loss of emotional closeness between caregivers and partners.
- Loss of freedom and time for one's own interests and development.
- Fatigue from added roles.
- Burnout and being overwhelmed.
- Negative effects on relationships with friends, relatives, and neighbors.
- Restricted or no involvement in the community.
- Restricted or no involvement in church and spiritual activities.



Pengalaman keluarga saat dialisis



Coping with a restricted lifestyle

Reacting to mood changes and the emotional highs and lows of living with ESRD



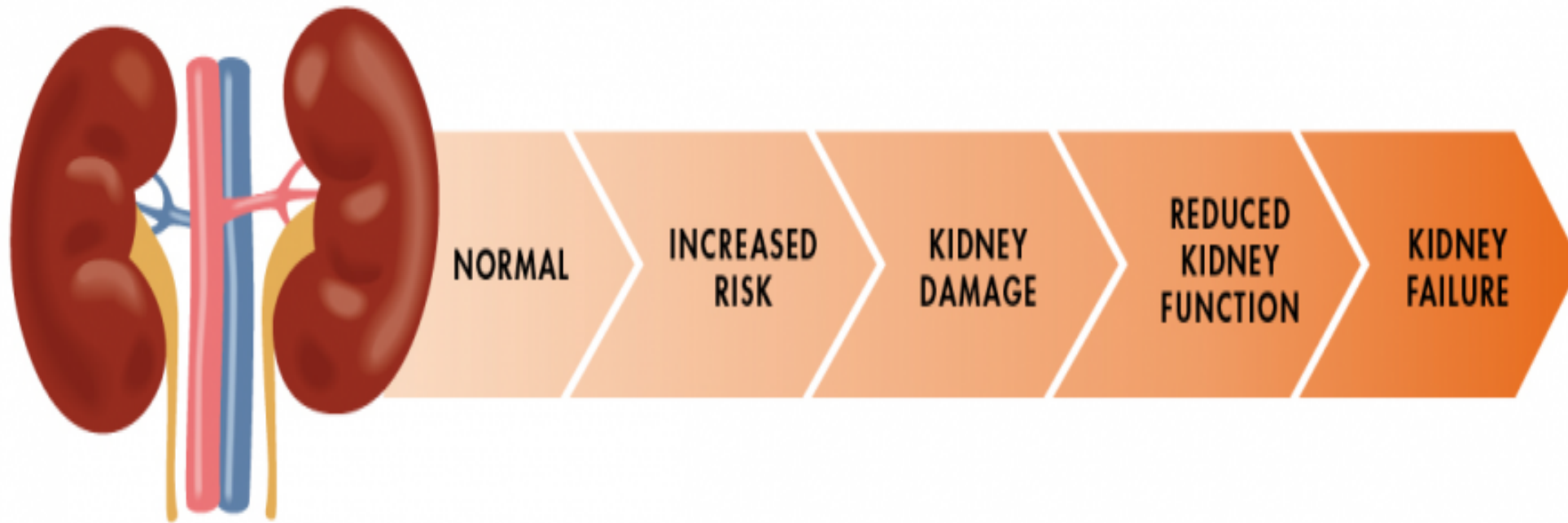


Perawatan berkelanjutan bagi klien gagal ginjal kronis di keluarga dan komunitas





PROGRESSION OF CHRONIC KIDNEY DISEASE (CKD)



PD treatment goals or PD clinical performance measures



- Total (residual kidney + peritoneal) $Kt/V_{urea} \geq 1.7$ per week or total creatinine clearance ≥ 50 L/week/1.73 m²
- Peritoneal net ultrafiltration in anuric patients ≥ 1.0 L/day
- Albumin ≥ 3.5 g/dL
- Hemoglobin ≥ 10.0 and ≤ 12.0 g/dL
- Transferrin saturation = 30–50%
- Serum ferritin ≥ 200 and ≤ 500 μ g/L

- Phosphorus ≥ 3.5 and ≤ 5.5 mg/dL
- Calcium \times Phosphorus < 55 mg²/dL²
- Intact PTH ≥ 150 and ≤ 600 pg/mL
- Predialysis mean arterial blood pressure < 105 mmHg
- Clinic peritonitis rate < 1 episode/24 patient-months
- Hepatitis B & C seroconversion = 0%

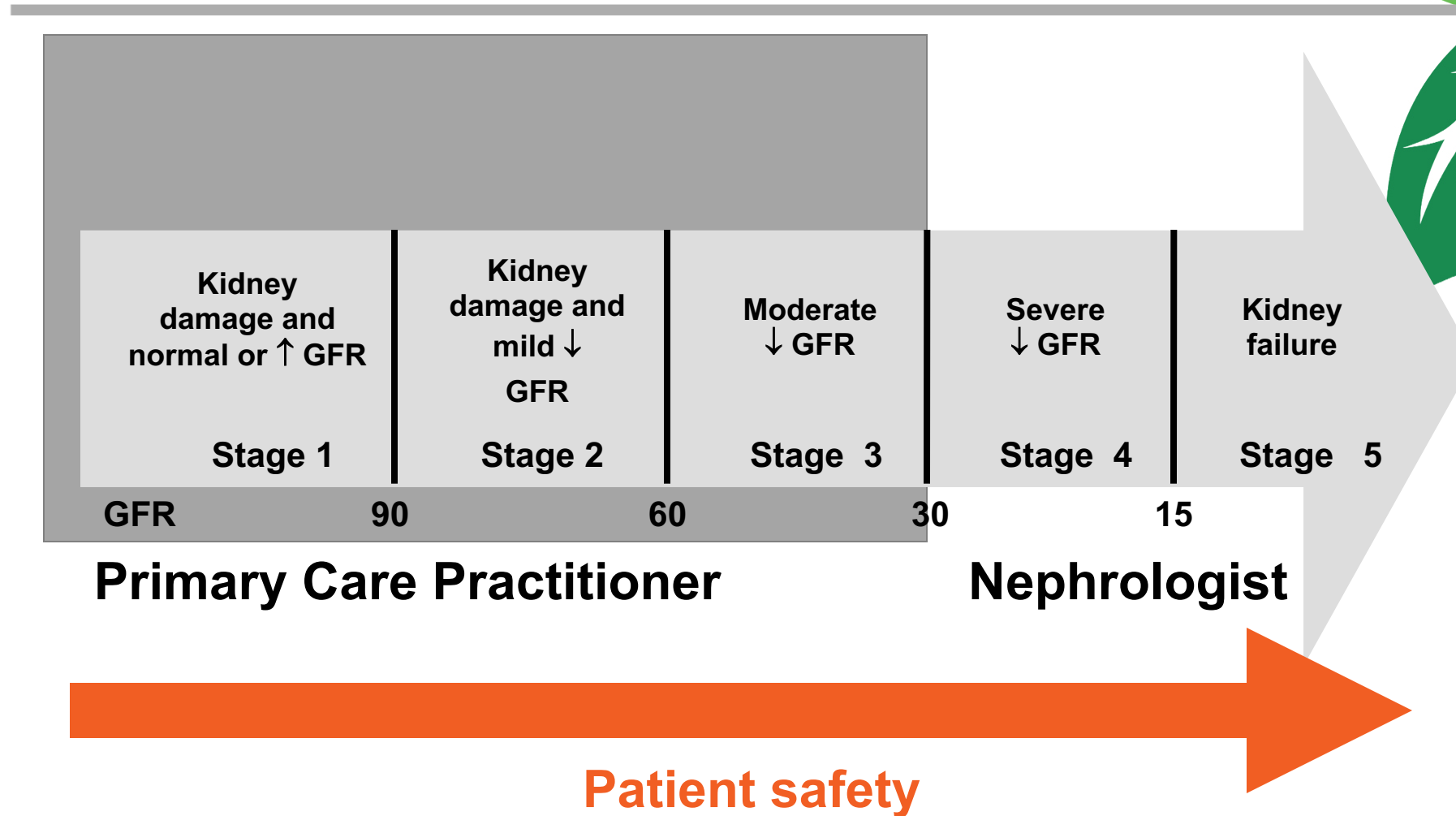


HD treatment goals or HD clinical performance measures

- Prevalance of AV Fistula
- Dialysis ≥ 3 times/week
- Dialysis duration ≥ 4 hr
- Arterial blood flow rate (QB) ≥ 300 mL/min
- Kt/V ≥ 1.4
- Intradialytic body weight gain $< 4\%$
- Mean arterial BP ≤ 105 mmHg
- Transferrin Saturation = 30–50%
- Serum Ferritin = 200–500 ng/mL
- Hemoglobin = 10–12 gm/dL
- Phosphorus = 3.5–5.5 mg/dL
- Calcium = 8.8–10 mg/dL
- Calcium X Phosphorus < 55 mg²/dL²
- PTH = 150–600 pg/mL
- Serum albumin > 3.5 gm/dL
- Bicarbonate > 20 mEq/L
- Hepatitis B & C seroconversion = 0%



Who Should be Involved in the Patient Safety Approach to CKD?



**The Patient (always)
and other subspecialists (as needed)**



Comprehensive conservative care

Comprehensive conservative care is planned (holistic patient-centered care for patients with stage 5 [GFR category 5] CKD) that includes:

- Interventions to delay progression of kidney disease and minimize risk of adverse events or complications Shared decision making
- Active symptom management
- Detailed communication, including advance care planning
- Psychologic support
- Social and family support
- Cultural and spiritual domains of care

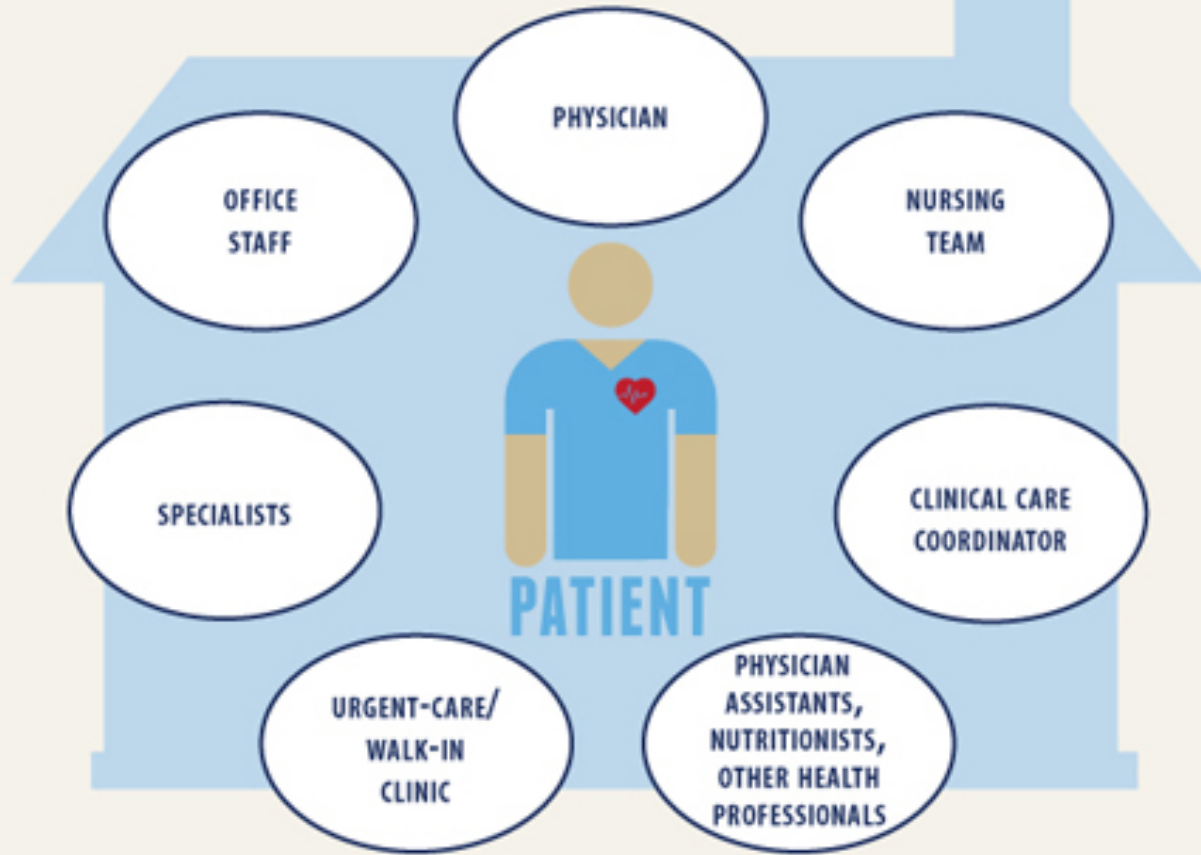
Comprehensive conservative care does not include dialysis



Co-Management Model



PATIENT-CENTERED MEDICAL HOME TEAM



- Collaborative care
 - Formal arrangement
 - Curbside consult
- Care coordination
- Clinical decision support
- Population health
 - Development of treatment protocols



Collaborative Care Agreements

Soft Contract between primary care and nephrologist

Defines responsibilities of primary care

- Provide pertinent clinical information to inform the consultation prior to the scheduled visit.
- Initiate a phone call if the condition is emergent
- Provide timely referrals with adequate number of visits to treat the condition.

Defines responsibilities of nephrologist

- Timely communication of consultation (7 days routine & 48 hours emergent) – fax if no electronic information sharing
- No consultation to other specialist initiated without primary care input



Benefits of early referral of patients with chronic kidney disease

- Prevention and management of CKD modifiable risk factors
- Optimization of treatment of CKD
- Preservation of functioning nephrons and delaying the progression of renal failure
- Access to structured psychoeducational program
- Adaptation of CKD patient to RRT treatment
- Preparation and creation of suitable dialysis access with less temporary vascular access
- Training on selected modality of RRT with better compliance
- Preemptive kidney transplantation
- Reduction of cardiovascular morbidity and mortality
- Reduction of costs





TERIMAKASIH

