



## European Kidney Health Alliance & WONCA Europe

### Questionnaire about screening for Chronic Kidney Disease (CKD)

Dear General Practitioner,

The European Kidney Health Alliance (EKHA) is a European Nephrology advocacy platform in which a broad scope of organizations and individuals - patients, nephrologists, kidney nurses, national and international foundations - work together for the benefit of kidney patients. One of the EKHA-goals is to prevent as many people as possible to develop kidney disease. Aside from advocating for a healthy lifestyle, screening is an important tool to early detect malfunction of kidneys and to prevent further deterioration. We therefore want to find out about existing kidney screening programs in primary care in Europe. At this moment two different approaches have been identified for CKD-screening.

- Passive detection: based on routine data collected for clinical or administrative purposes.
- Active detection: undertaken specifically aiming to detect CKD at earlier stages

**This survey is designed to understand the general attitude to- and use of -CKD detection/ screening in your practice and to evaluate the feasibility of screening for kidney disease. Your input is highly valued and important for the prevention of progression of kidney disease.**

Raymond Vanholder EKHA President Prof Em University Ghent, Belgium

1 Age

2 Sex

male  female  other

3 What is the country you are living and working in?

4 Which of the following is true about the financial coverage of basic kidney laboratory tests (i.e: blood urea nitrogen, serum creatinine, urinalysis) in your country?

- It is totally covered by the health insurance system       It is partially covered by the health insurance system       It is paid totally by the patient

5 What kind of practice are you working in?

- Solo       Group Practice

6 If you are working in a group practice, how many physicians work in this practice?

- 2     3     4     5     > 5

Questions 7 to 13 are about the different types of professionals who are not physicians present in your practice. Please fill in for every profession the number present in your practice.

7 Secretary

8 Psychologist

9 Social worker

10 Nurse

11 Physiotherapist

12 Dietician

13 Other (please specify)

14 What is the number of registered individuals per doctor in your practice?

1000-2000    2000-3000    3000-4000    > 4000

15 Is there a gate keeping system for referral to secondary/tertiary care in your country?

yes    no

16 In your practice, is there a limitation to order basic kidney laboratory tests by financial regulations?

yes    no

17 Is there a laboratory facility/organization or a direct connection to one in your practice? (This question is asked to learn if basic screening tests can be performed in each practice, or whether your patients do have to be referred to other places for tests)

yes    no

18 Are there any specialized nurses for chronic diseases follow-up employed in your practice?

yes  no

19 Is there an automatic alarm system by the laboratory to warn in case of disturbed kidney function

yes  no

20 Do you perform active screening for Chronic Kidney Disease in your practice?

yes  no

21 If the answer to above question is yes, is it applied to all people presenting at your practice or only to risk groups?

yes to all people who present  only the risk groups  Age group

22 According to your knowledge which of the following should be considered as a risk factor for developing CKD?

Question instructions: *Select one or more answers*

<input type="checkbox"/> Diabetes Mellitus	<input type="checkbox"/> Hypertension	<input type="checkbox"/> > 65 years of age	<input type="checkbox"/> Cancer	<input type="checkbox"/> Smoking
<input type="checkbox"/> Obesity	<input type="checkbox"/> Frequent use of NSAIDs	<input type="checkbox"/> Kidney stones	<input type="checkbox"/> Previous/Current diagnosis of Acute Kidney Injury	<input type="checkbox"/> Cardiovascular Disease
<input type="checkbox"/> Asthma	<input type="checkbox"/> Brain tumor	<input type="checkbox"/> Peptic ulcer	<input type="checkbox"/> Migraine	

23 For CKD screening which of the following tests do you use?

Question instructions: *Select one or more answers*

Serum creatinine  An estimated value of kidney filtration (eGFR, e.g. by Cockcroft-Gault or CKD-EPI)  Albuminuria  Albumin/creatinine ratio in the urine

Urinalysis

24 Do you have a clear algorithm for referring patients with chronic kidney disease?

- Definitely Yes    Rather Yes    Rather No    Definitely No

25 Do you receive a doctor's letter from your nephrological colleague promptly after a final conclusion has been reached?

- Definitely Yes    Rather Yes    Rather No    Definitely No

26 Do you want a guideline about general practitioners' procedures for patients with chronic kidney disease?

- Definitely Yes    Rather Yes    Rather No    Definitely No

27 Do you routinely check laboratory parameters related to the kidney?

- Annually    Every 2 or years    Irregularly    Never

28 Which of the following criteria are important to you when referring a patient to a nephrologist?

Question instructions: *Select one or more answers*

- Anemia    Diabetes mellitus    Proteinuria    Albuminurie    Electrolyte abnormality    Resistant hypertension
- Increased creatinine    Decreased eGFR
- Other...

29 If one of the answers of question 28 was increased creatinine please specify treshold: above....

30 If one of the answers of question 28 was decreased eGFR please specify: below.....

31 Do you use chronic kidney disease staging according to Kidney Diseases Initiative Global Outcome (KDIGO) in your practice?

yes  no  I am not aware of this classification

32 What % of the general population do you think has chronic kidney disease?

33 How important is blood sugar control to you in patients with chronic kidney disease?

very low priority  low priority  high priority  very high priority

34 How important is blood pressure control to you in patients with chronic kidney disease?

very low priority  low priority  high priority  very high priority

35 Do you think chronic kidney disease is a risk factor for cardiovascular disease?

never  may be  sometimes  most certainly

36 Do you think chronic kidney disease is a risk factor for hypertension?

never  may be  sometimes  most certainly

37 Do you think chronic kidney disease is a risk factor for cancer?

never  may be  sometimes  most certainly

38 Do you think chronic kidney disease is a risk factor for acute kidney injury?

never  may be  sometimes  most certainly

39 How important are ACE (Angiotensin Converting Enzyme) inhibitors or AT1 antagonists (angiotensin receptor) for you in regulating blood pressure?

very low priority  low priority  high priority  very high priority

40 Do you check the drug indication/ contra-indication specifically for patients with chronic kidney disease?

never  seldom  frequent  always

41 Do you check drug doses specifically for patients with chronic kidney disease?

never  seldom  frequent  always

42 Do you use certain aids for this?

Question instructions: *Select one or more answers*

none  web sources  dosing-tool  Literature

other

43 Do you generally use guidelines in your everyday work?

none    seldom    frequent    always

44 Do you use guidelines for chronic kidney disease?

none    seldom    frequent    always

45 In your opinion, how important should the topic of "detection and diagnostics" be in a General Practice (GP) guideline on the topic of chronic kidney disease?

very low priority    low priority    high priority    very high priority

46 In your opinion, how important should the topic of "polypharmacy" be in a GP guideline on the topic of chronic kidney disease?

very low priority    low priority    high priority    very high priority

47 In your opinion, how important should the topic of "referral and referral criteria" be in a GP guideline on the topic of chronic kidney disease?

very low priority    low priority    high priority    very high priority

**Thank you for your time. Your input is highly appreciated. Would you please be so kind to return your answers via:**

**WONCA FAX: + 386 1 438 69 10**

**or**

**Scan them as a PDF and mail to [info@ekha.eu](mailto:info@ekha.eu)**

**or**

**EKHA Postal address: EKHA – Giulia Blancato, Rue de La Presse 4, 1000 Bruxelles**