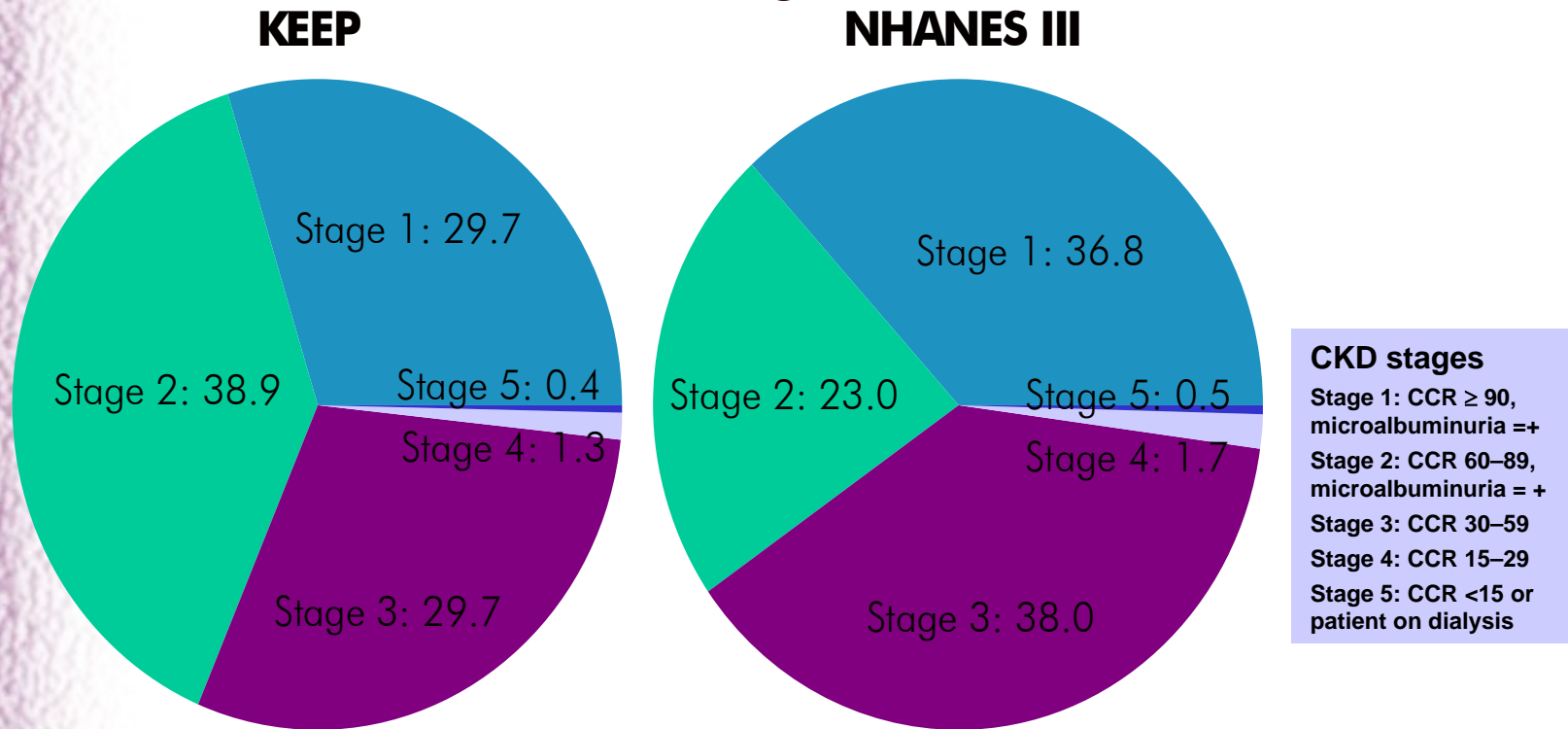


KEEP 2.0 Annual Data Report

Chapter Six

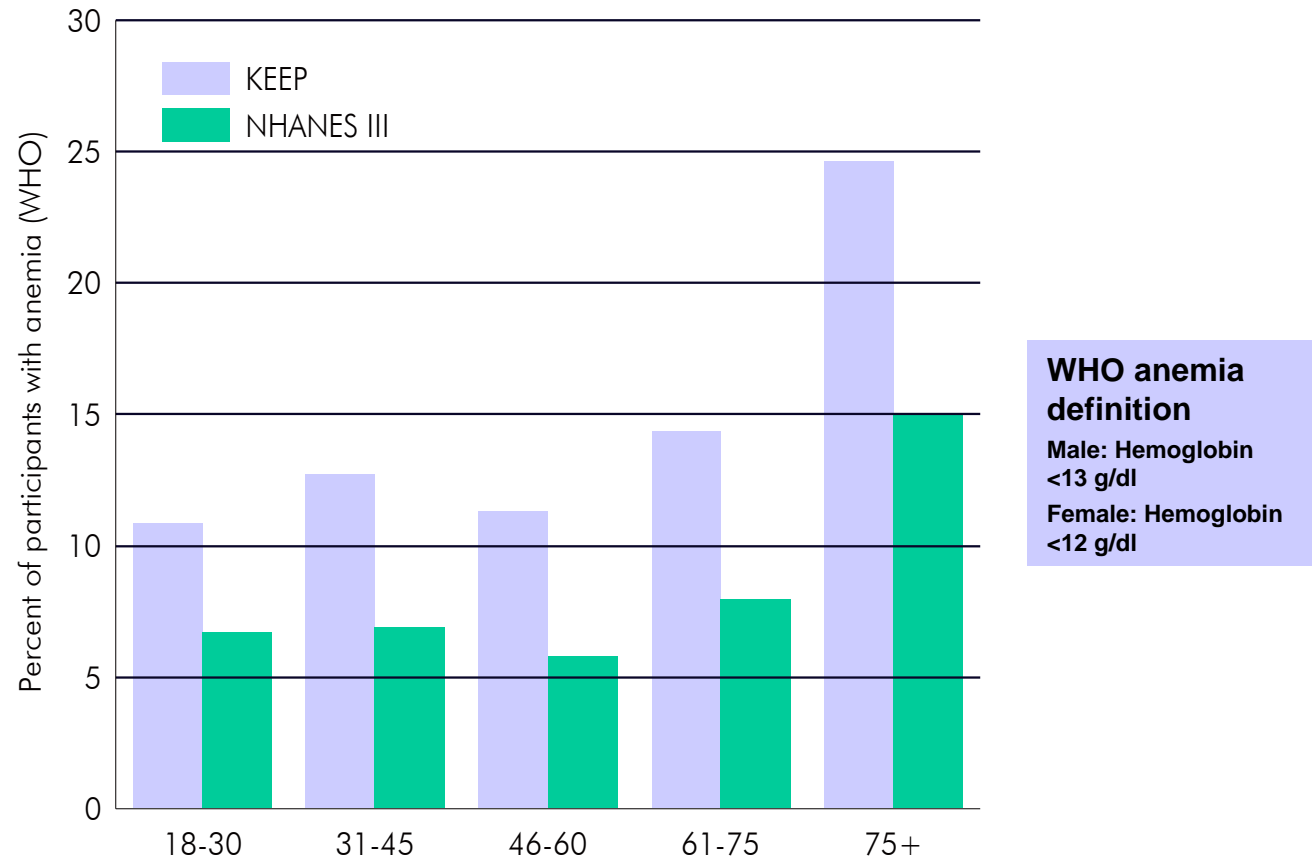


Figure 6.1• % distribution of KEEP & NHANES III participants with chronic kidney disease



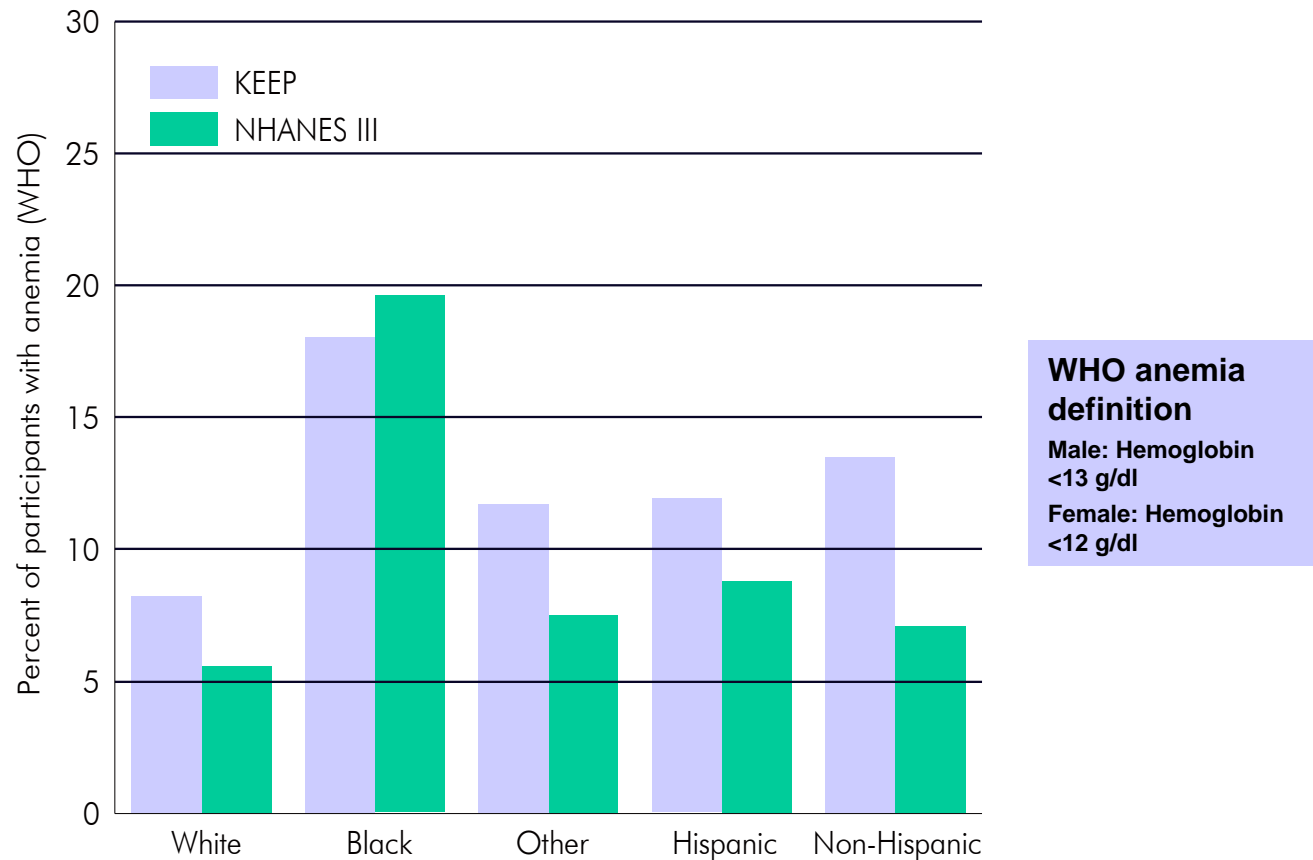
KEEP: n=5,051, NHANES III: n=2,252; CKD status defined by calculated creatinine clearance using the MDRD formula. Stage 5 in NHANES III data does not include patients on dialysis.

Figure 6.2· percent distribution of KEEP & NHANES III participants with anemia (WHO definition), by age



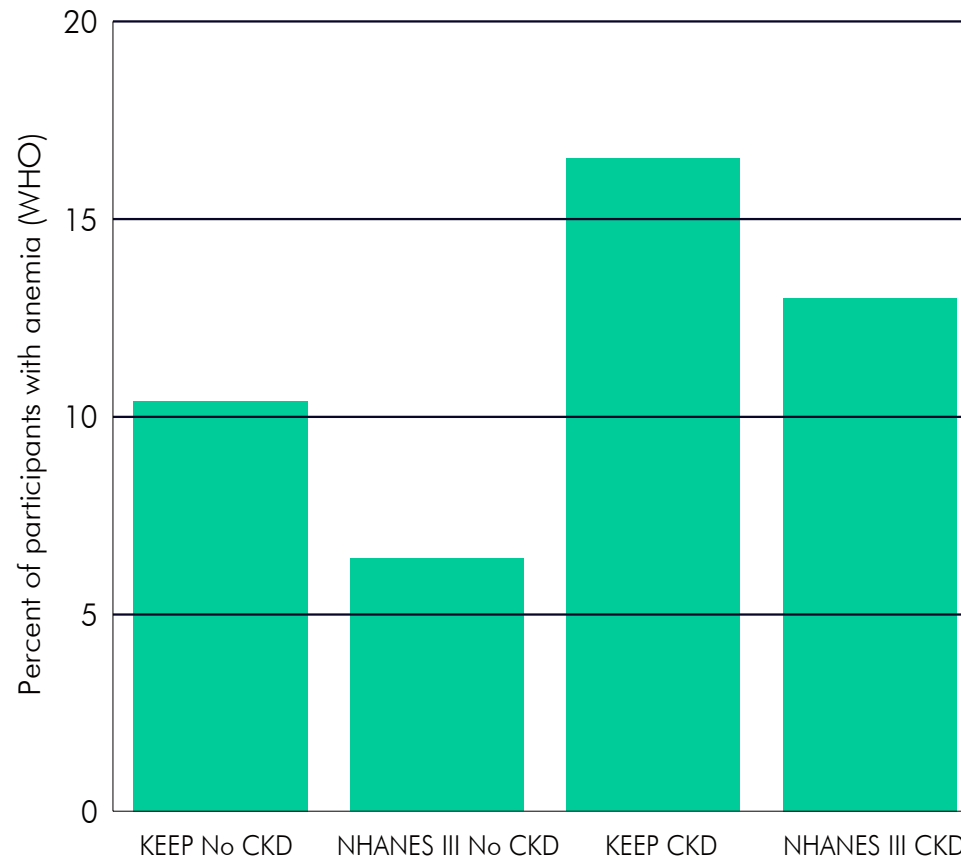
KEEP: n= 10,448, NHANES III: n=16,795; excludes participants with missing hemoglobin values

Figure 6.3. percent distribution of KEEP & NHANES III participants with anemia (WHO definition), by race/ethnicity



KEEP: race, n=10,136, Hispanic ethnicity, n=10,448, NHANES III: n=16,795; excludes participants with missing race, ethnicity, or hemoglobin values. Race & Hispanic ethnicity are not mutually exclusive.

Figure 6.4• percent distribution of KEEP & NHANES III participants with anemia (WHO definition), by CKD status



WHO anemia definition

Male: Hemoglobin <13 g/dl

Female: Hemoglobin <12 g/dl

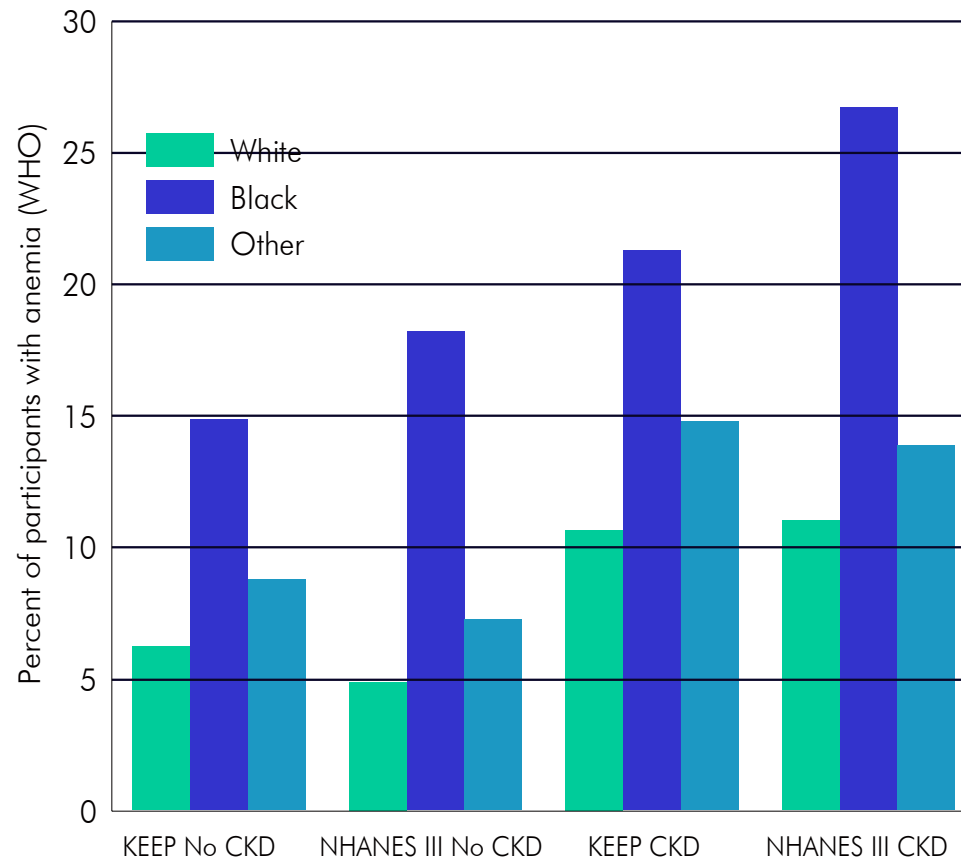
Definition of CKD

If calculated creatinine clearance by K/DOQI
MDRD < 60 ml/min/1.73 m²
or;

If calculated creatinine clearance by K/DOQI
MDRD ≥ 60 ml/min/1.73 m²
and microalbuminuria +

KEEP: total, n=10,332, anemia, n=1,376, NHANES III: n=15,670

Figure 6.5• percent distribution of KEEP & NHANES III participants with anemia (WHO definition), by race & CKD status



WHO anemia definition

Male: Hemoglobin <13 g/dl

Female: Hemoglobin <12 g/dl

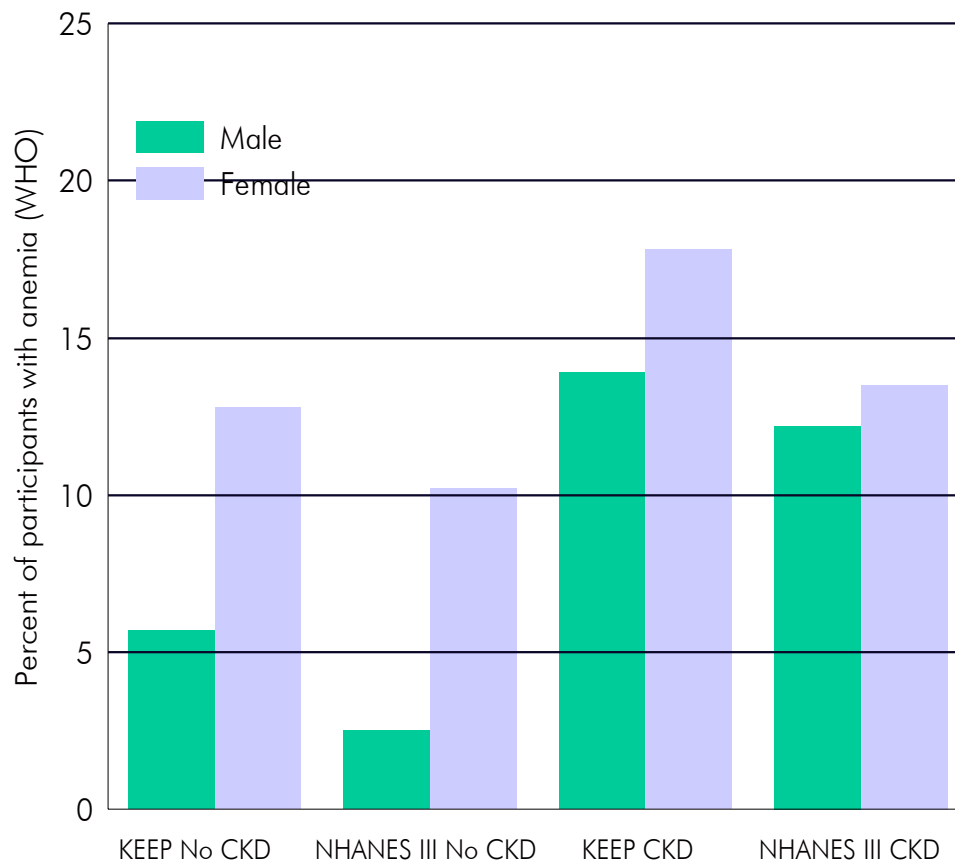
Definition of CKD

If calculated creatinine clearance by K/DOQI
MDRD < 60 ml/min/1.73 m²
or;

If calculated creatinine clearance by K/DOQI
MDRD ≥ 60 ml/min/1.73 m²
and microalbuminuria +

KEEP: non-CKD, n=5,248 CKD, n=4,779; NHANES III: n=15,670; excludes participants with missing race or hemoglobin values

Figure 6.6• percent distribution of KEEP & NHANES III participants with anemia (WHO definition), by gender & CKD status



WHO anemia definition

Male: Hemoglobin <13 g/dl

Female: Hemoglobin <12 g/dl

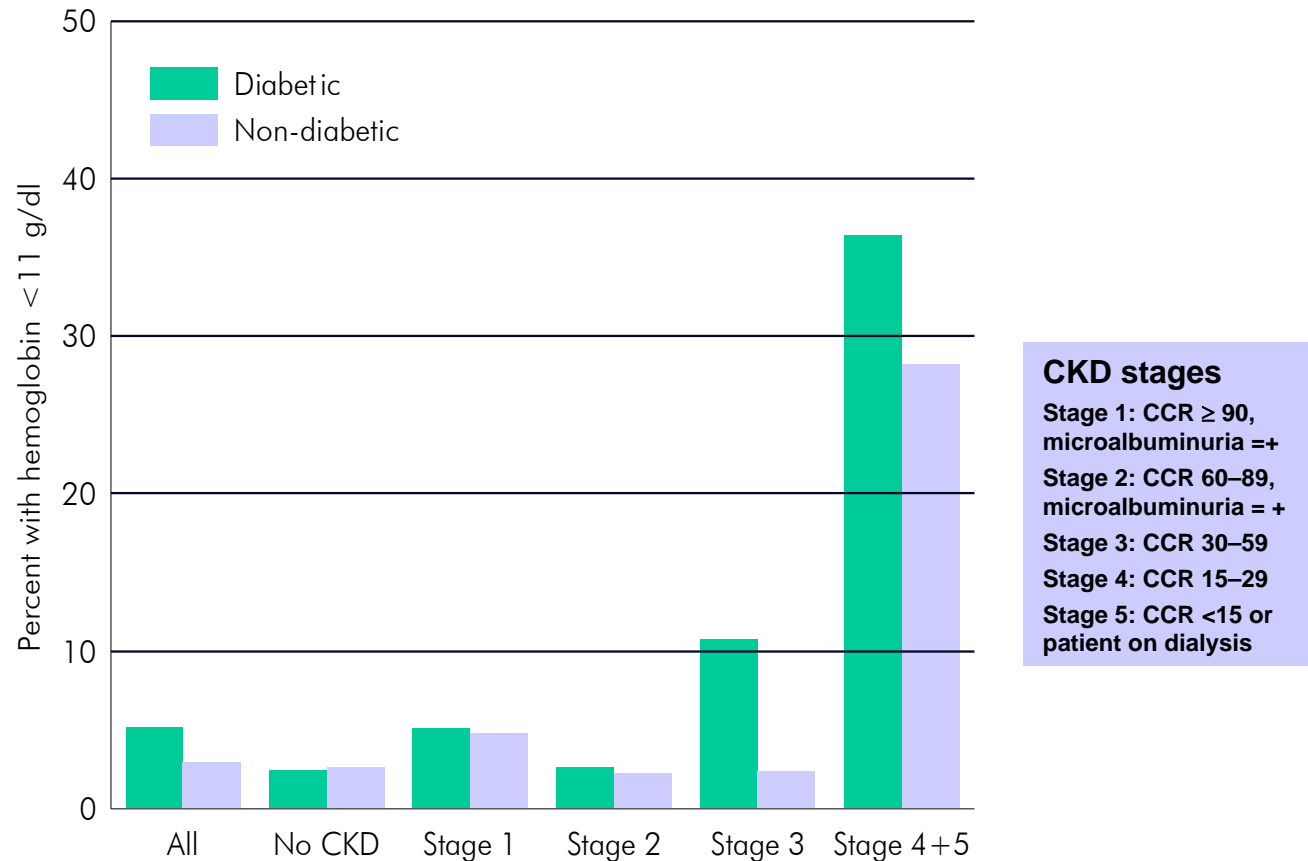
Definition of CKD

If calculated creatinine clearance by K/DOQI
MDRD < 60 ml/min/1.73 m²
or;

If calculated creatinine clearance by K/DOQI
MDRD ≥ 60 ml/min/1.73 m²
and microalbuminuria +

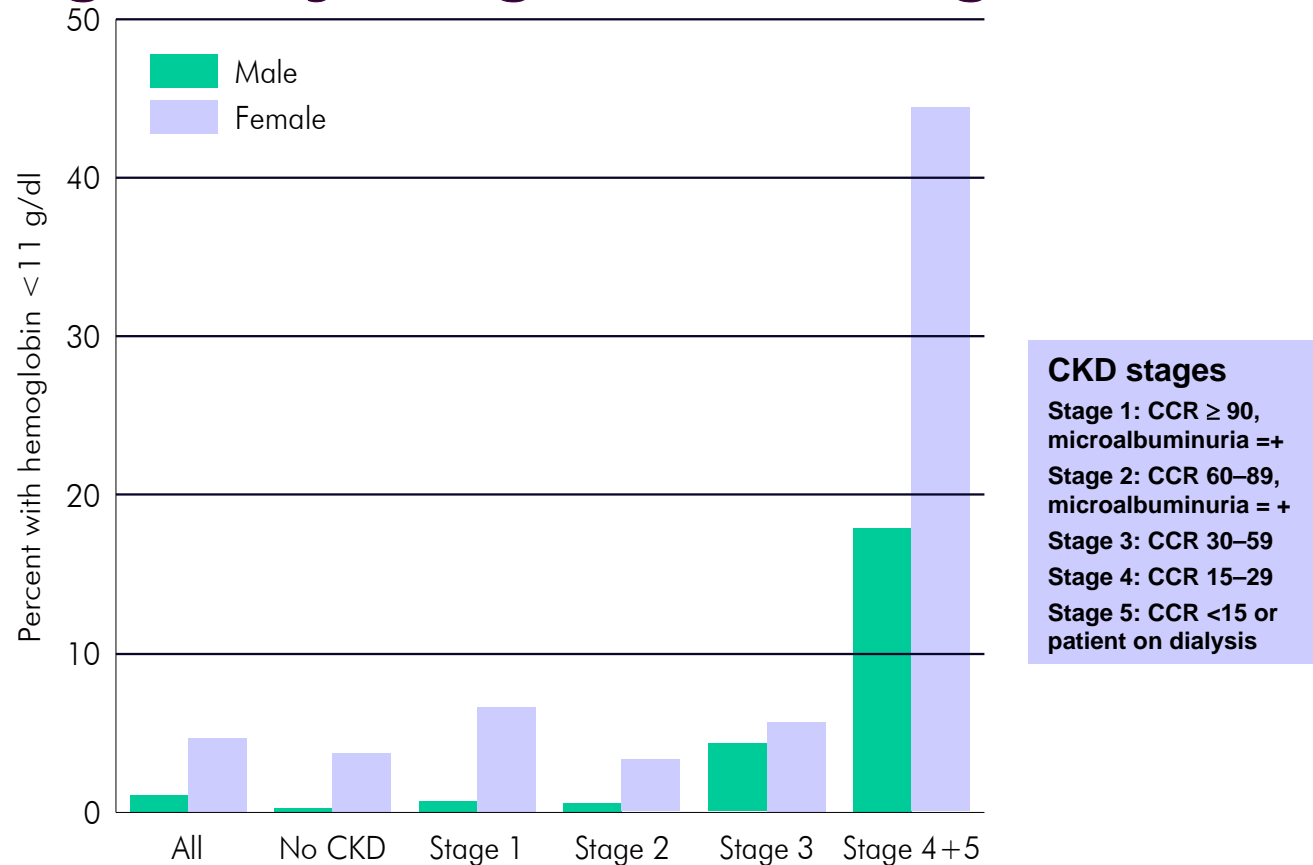
KEEP: non-CKD, n=5,400, CKD, 4,932; NHANES III: n=15,670; excludes participants with missing hemoglobin values

Figure 6.7· distribution of KEEP participants with a hemoglobin less than 11 g/dl, by stage of CKD & self-reported diabetic status



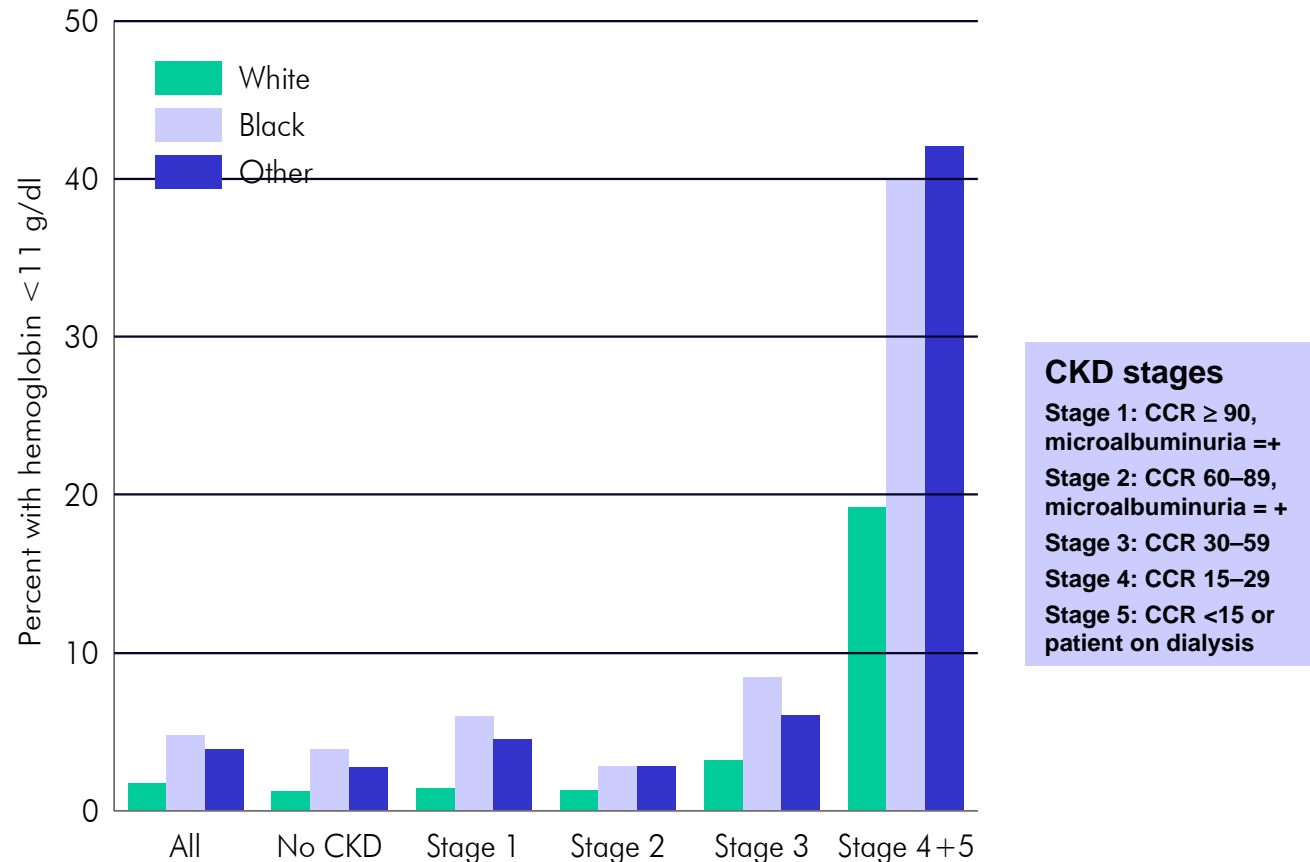
KEEP: diabetics, n=2,481, non-diabetics, n=7,684; excludes participants with missing hemoglobin values or CKD stage

Figure 6.8• distribution of KEEP participants with a hemoglobin less than 11 g/dl, by stage of CKD & gender



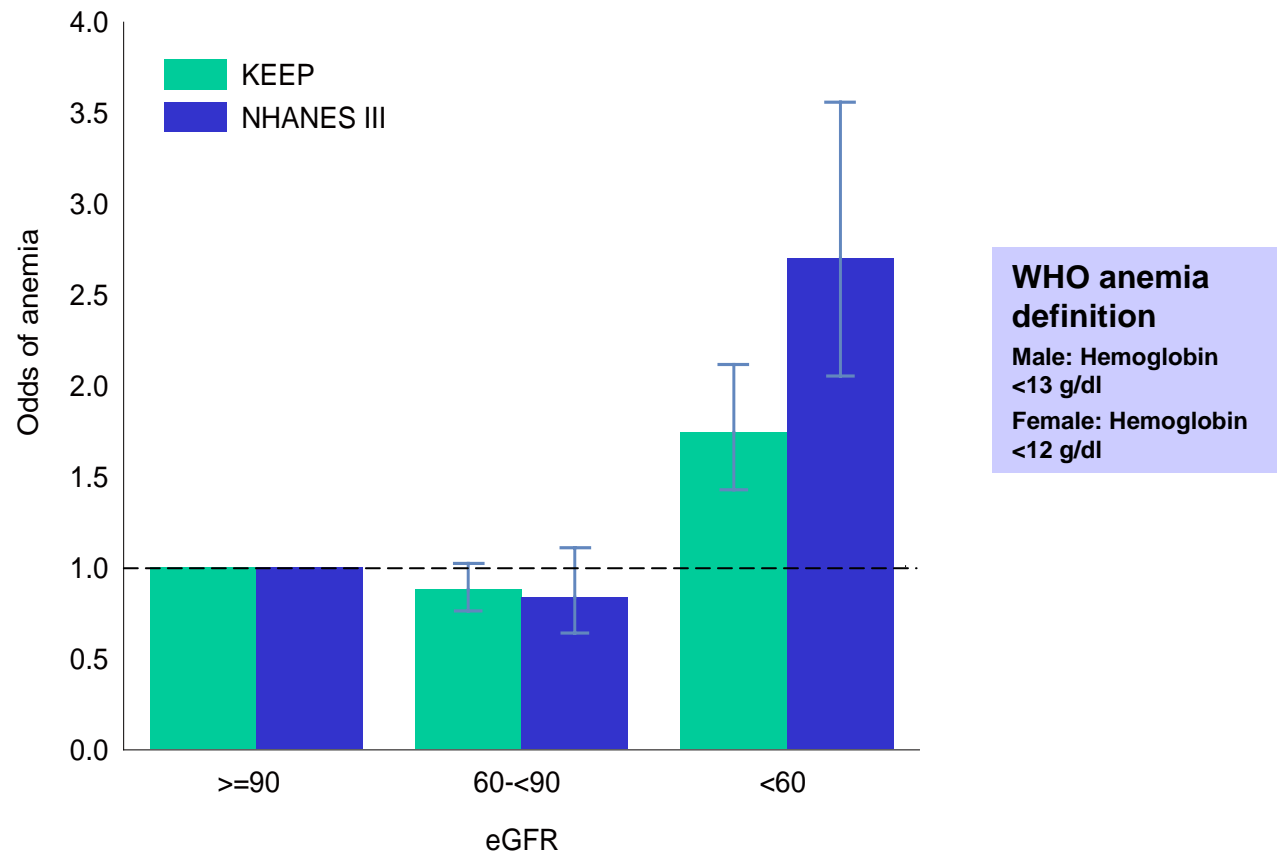
KEEP: males, n=3,424, females, n=6,908; excludes participants with missing hemoglobin values or CKD status

Figure 6.9. percent of KEEP participants with a hemoglobin less than 11 g/dl, by stage of CKD & race



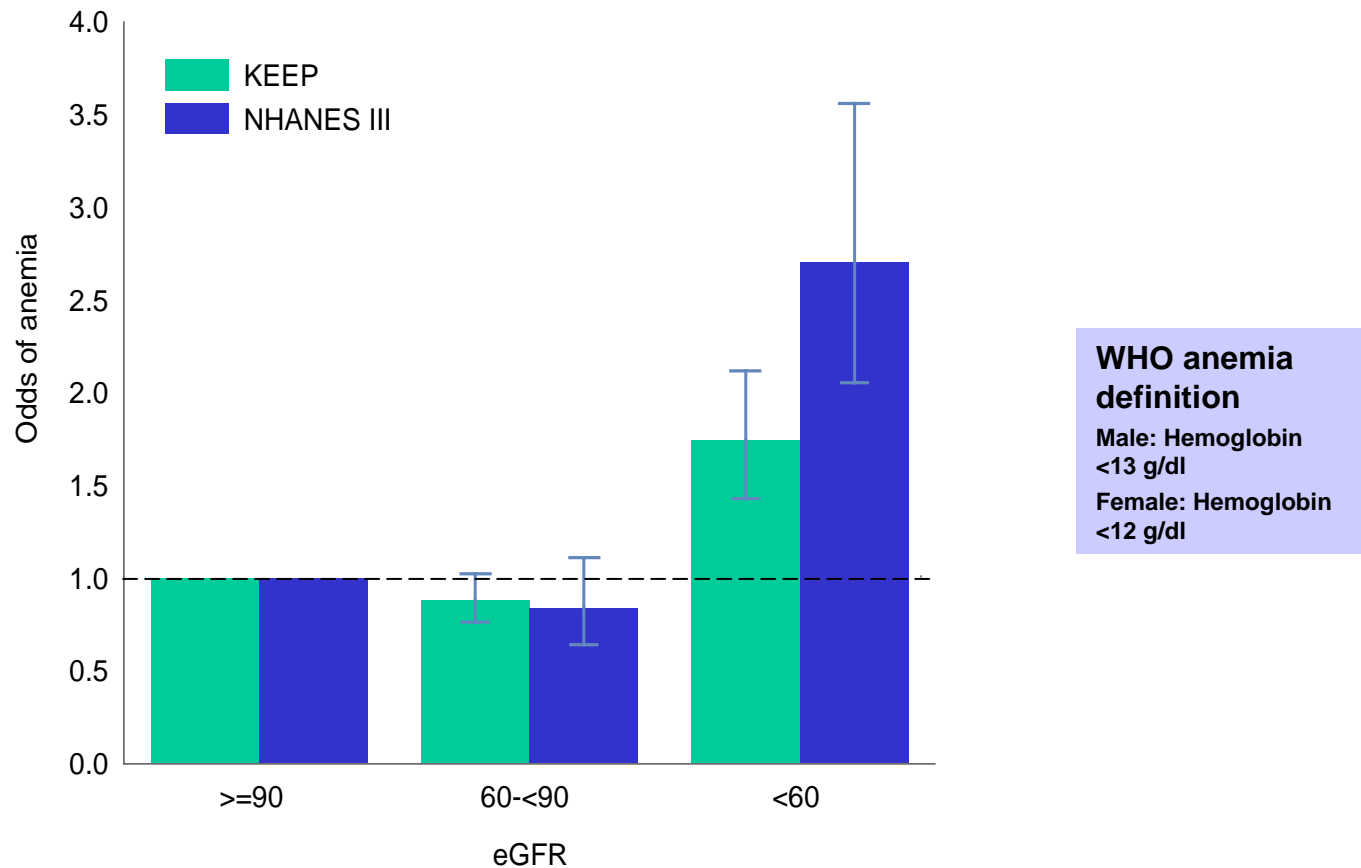
KEEP: white, n=3,730; black, n= 4,577; other, n=1,720; excludes participants with missing hemoglobin values or CKD status

Figure 6.10• influence of eGFR on anemia (WHO definition)



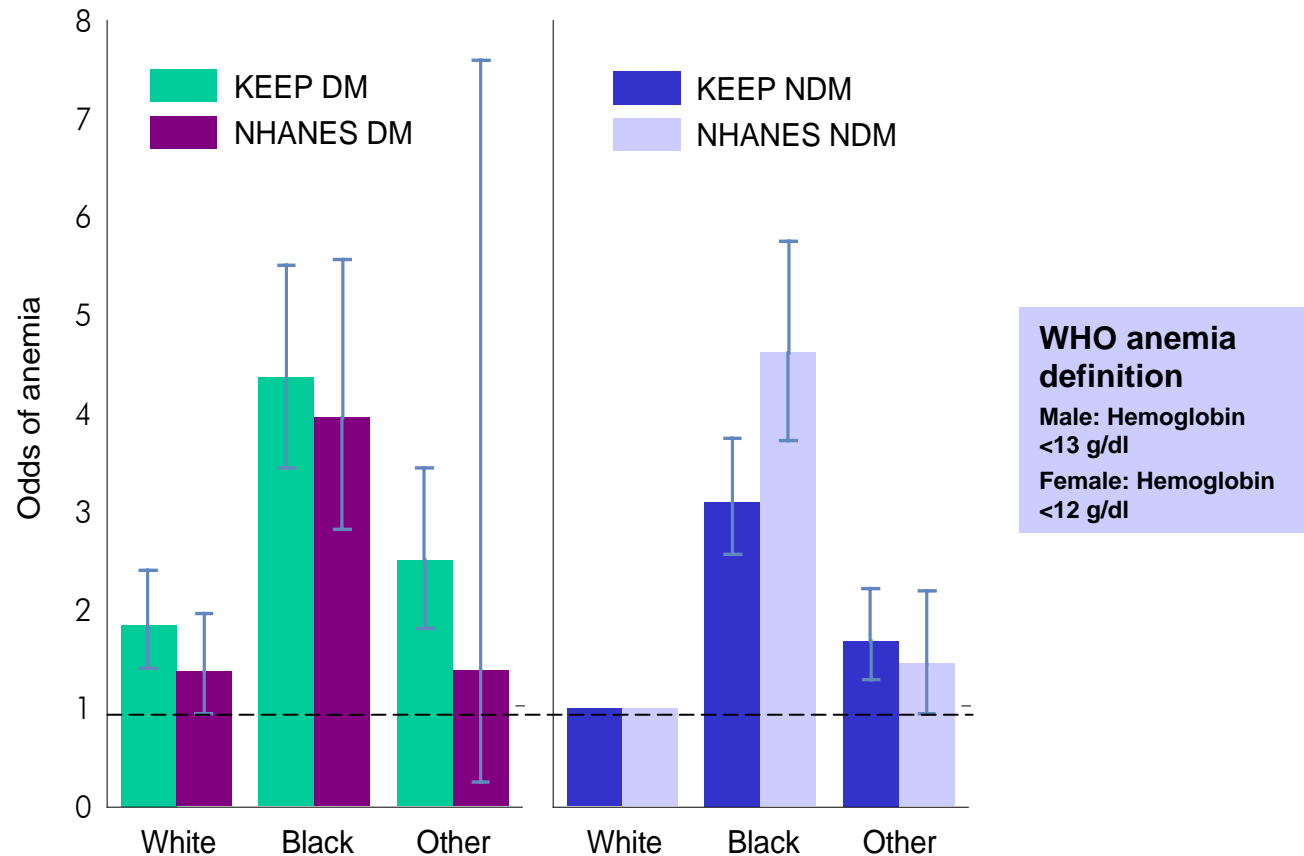
KEEP: n=8,686, NHANES III: n=16,011; method: logistic regression, adjusted for age, gender, race, family history, & smoking status; reference is eGFR ≥ 90 ml/min/1.73 m²

Figure 6.11· odds of anemia (WHO definition), by age & self-reported diabetic status



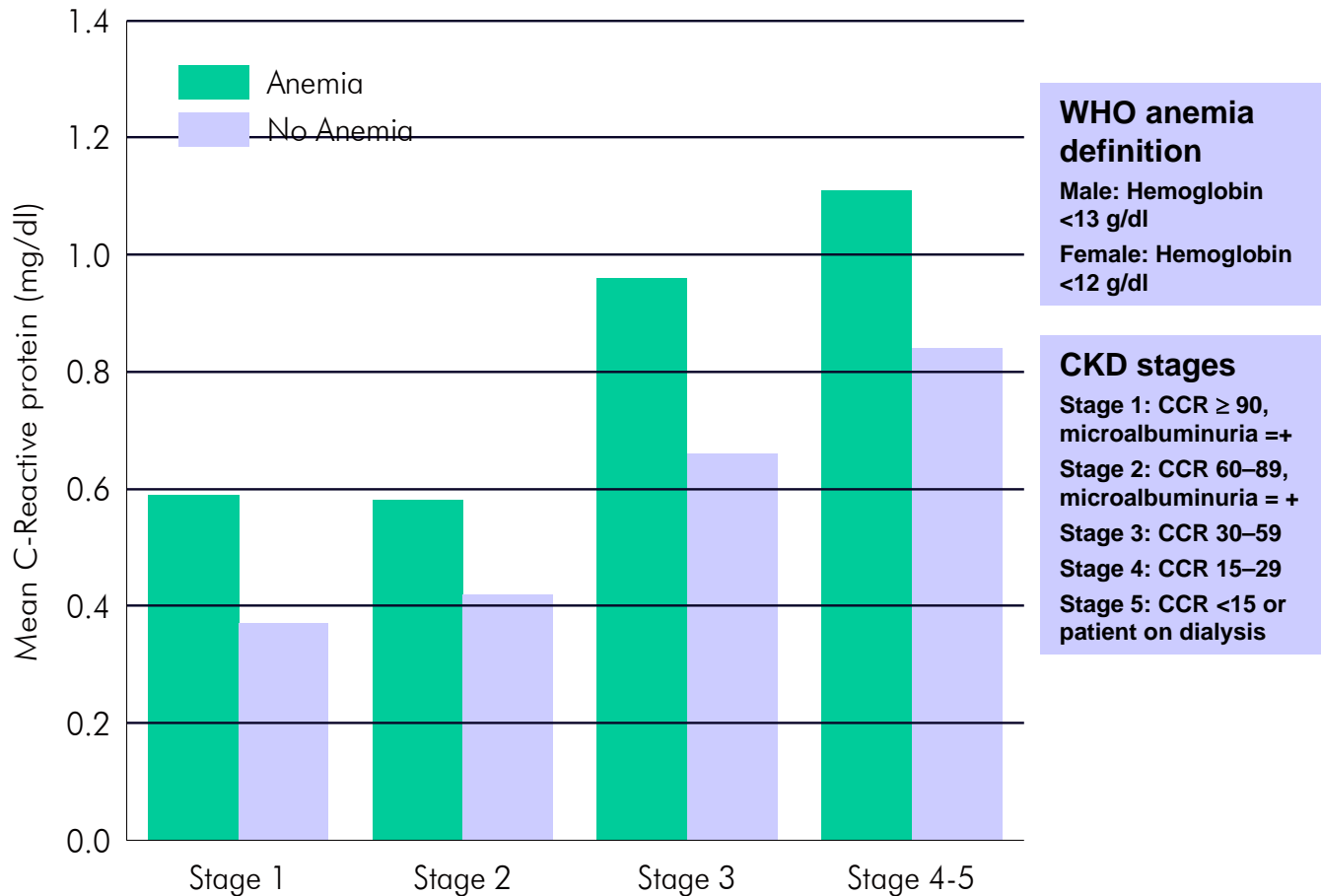
KEEP: n=8,686, NHANES III: n=16,011; method: logistic regression, adjusted for, gender, race, family history, & smoking status; reference is age 46-60

Figure 6.12· odds of anemia (WHO definition), by race & study population



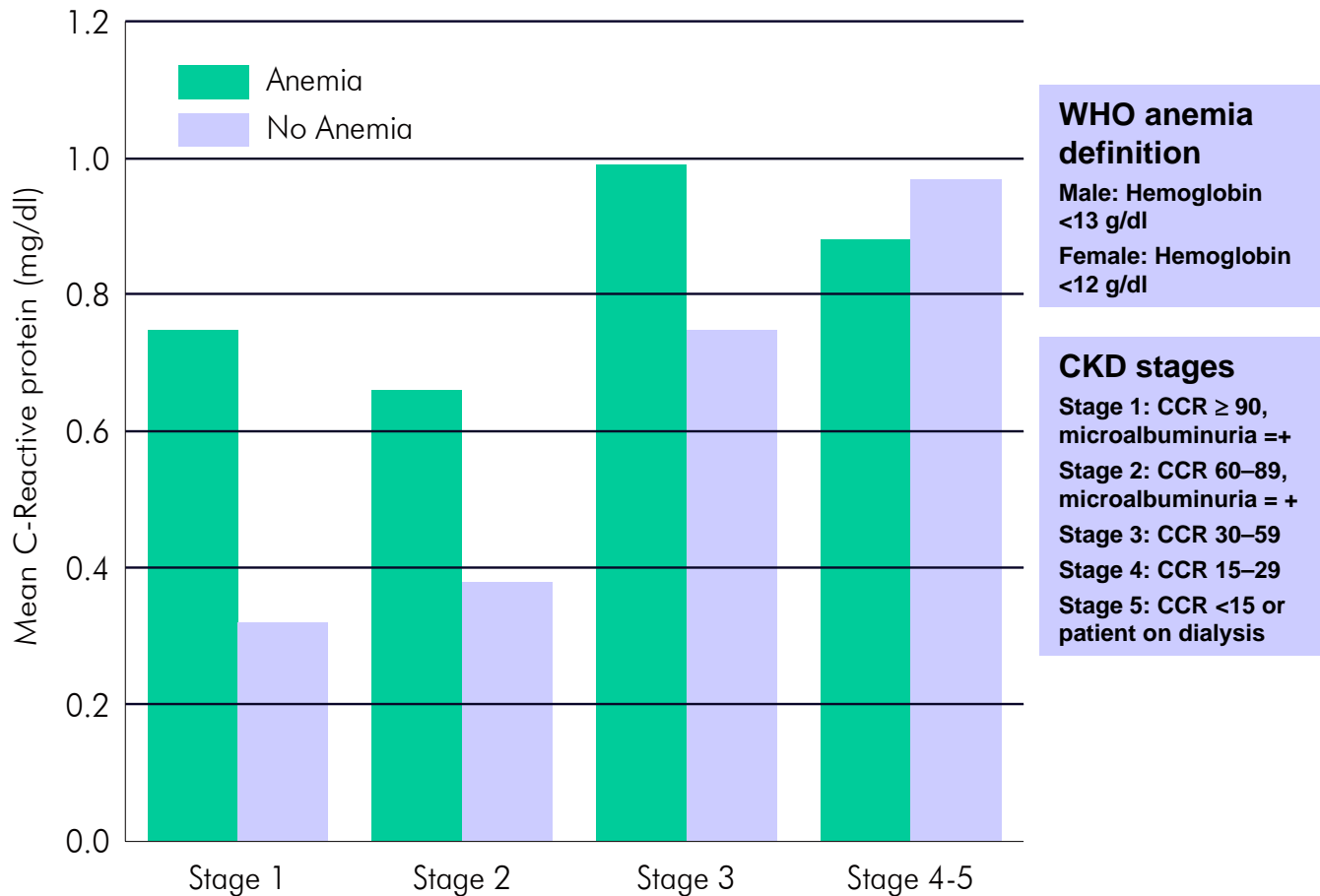
KEEP: n=8,686, NHANES III: n=16,011; method: logistic regression, adjusted for age, gender, family history, & smoking status; reference is white non-diabetics

Figure 6.13· mean C-reactive protein in all NHANES III patients, by CKD stage & anemia status (WHO definition)



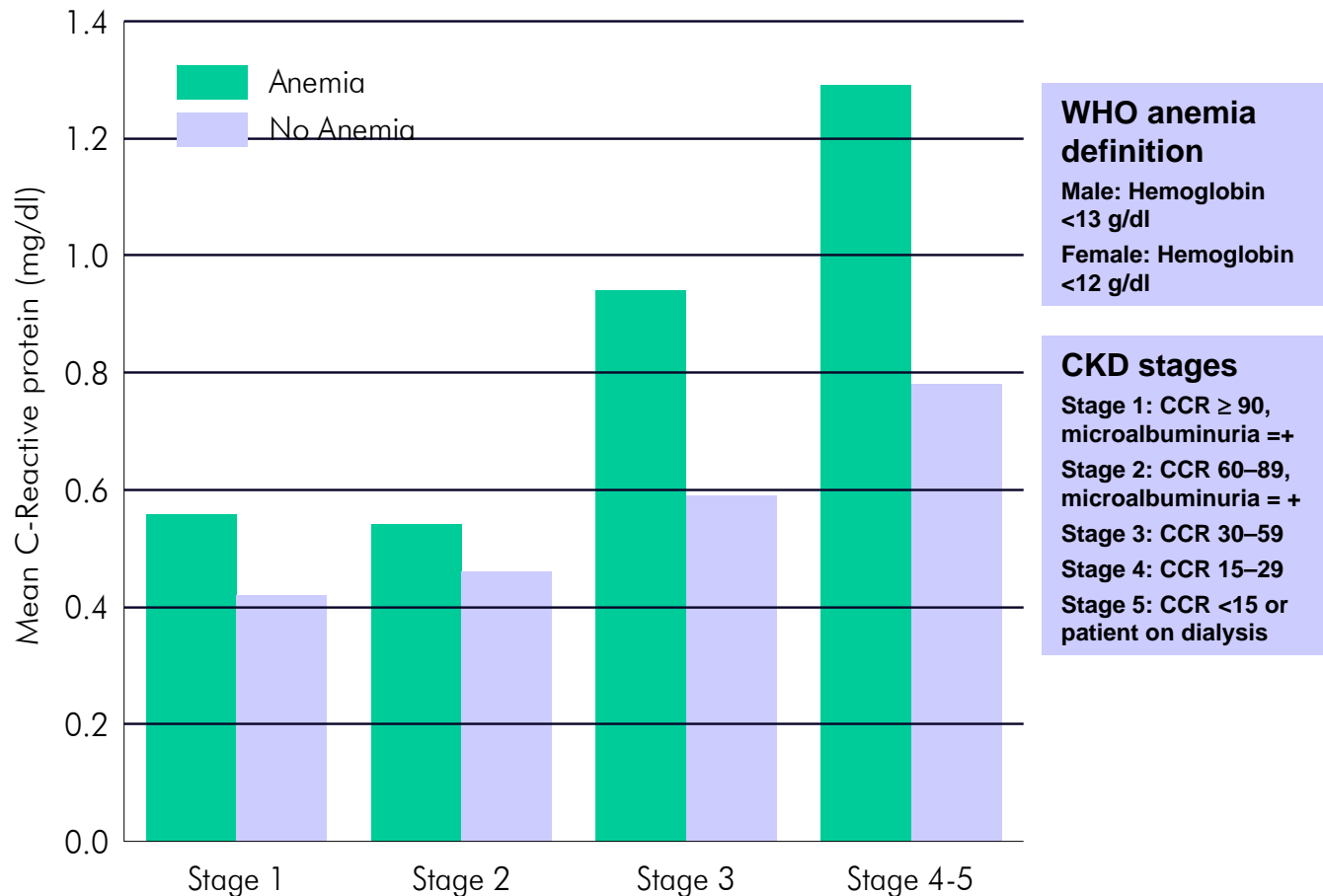
NHANES III: n=16,293

Figure 6.14• mean C-reactive protein in NHANES III males, by CKD stage & anemia status (WHO definition)



NHANES III: males, n=7,617

Figure 6.15• mean C-reactive protein in NHANES III females, by CKD stage & anemia status (WHO definition)



NHANES III: females, n=8,676