



# HYPERTENSION IN AFRICA IN 10 SIMPLE SLIDES

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### Prevalence of hypertension awareness, treatment and control in 18 countries

37.5

N. Amer



**Europe** 

39.1

Asia

Africa

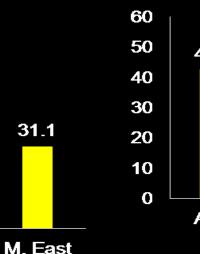
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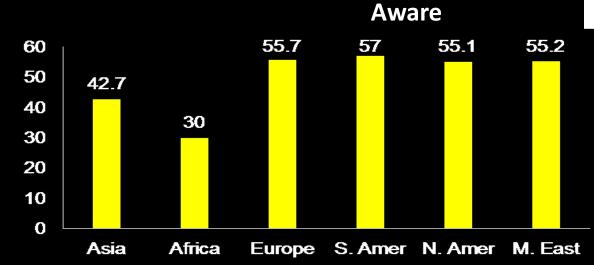
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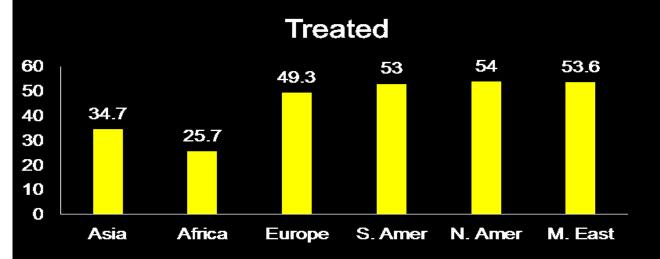
20

10

0







S. Amer

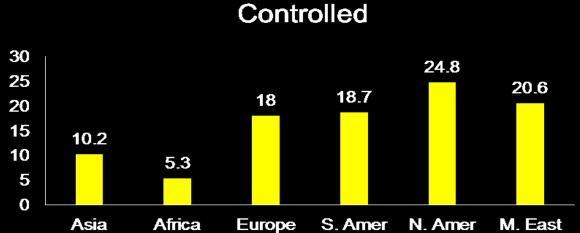
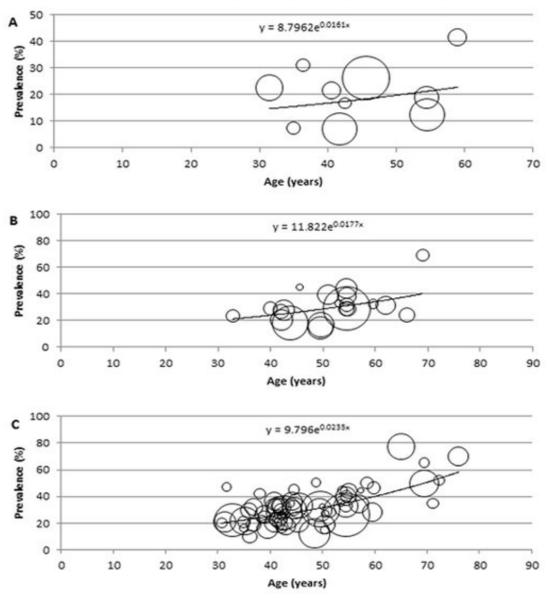




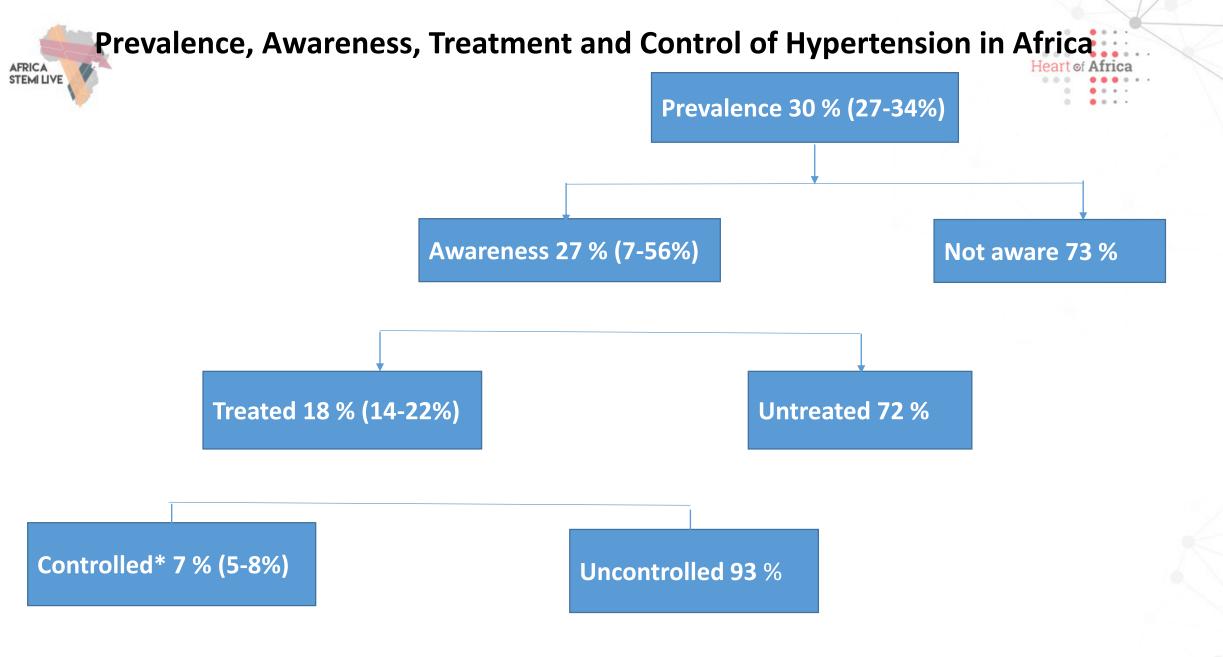
Figure 2. Epidemiological model showing distribution of hypertension prevalence according to age in both sexes, with size of bubble corresponding to respective sample size (A: 1990, B: 2000, C: 2010).











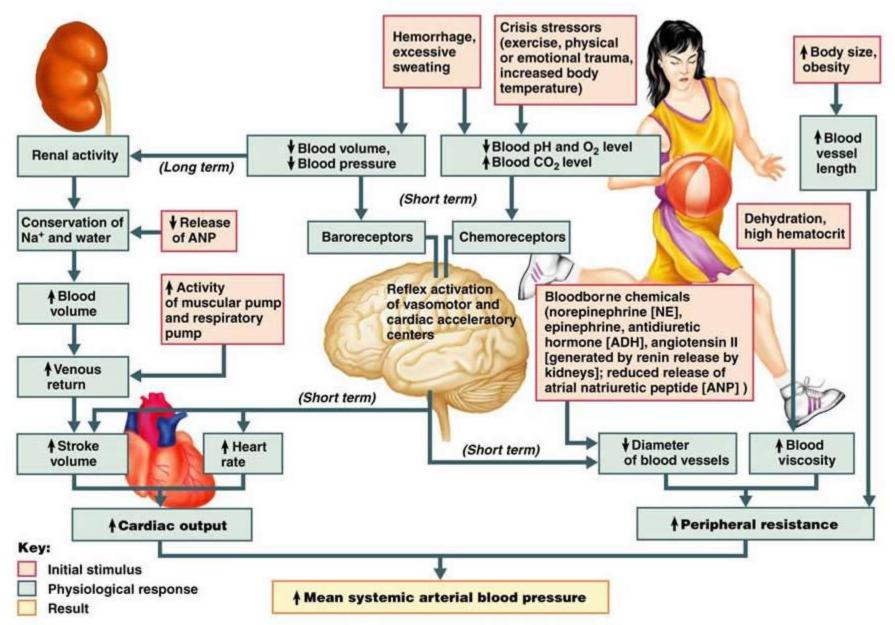
<sup>\*</sup> BP < 140/90 mmHg

Adapted from original publication by Anastase DZUDIE; Chair, PASCAR task force on hypertension



#### BP REGULATORY MECHANISM.(Summary)



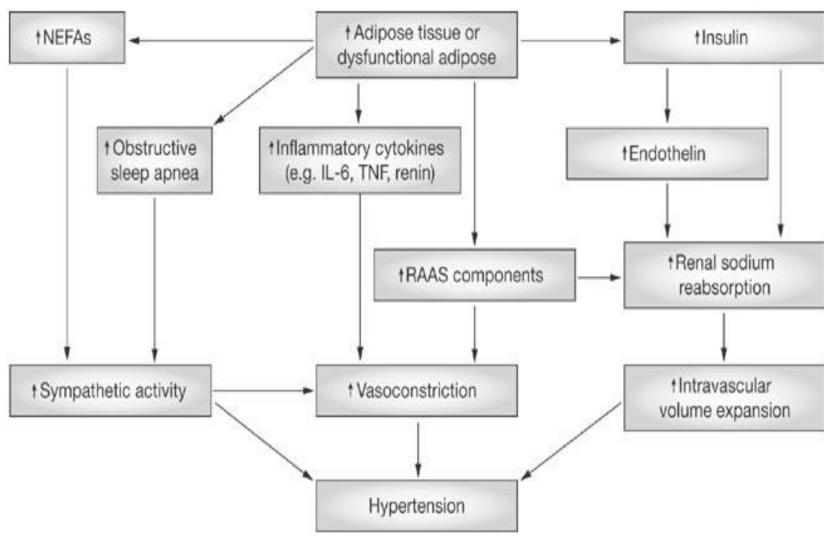




## Relationship of Obesity, with HTN, DM,



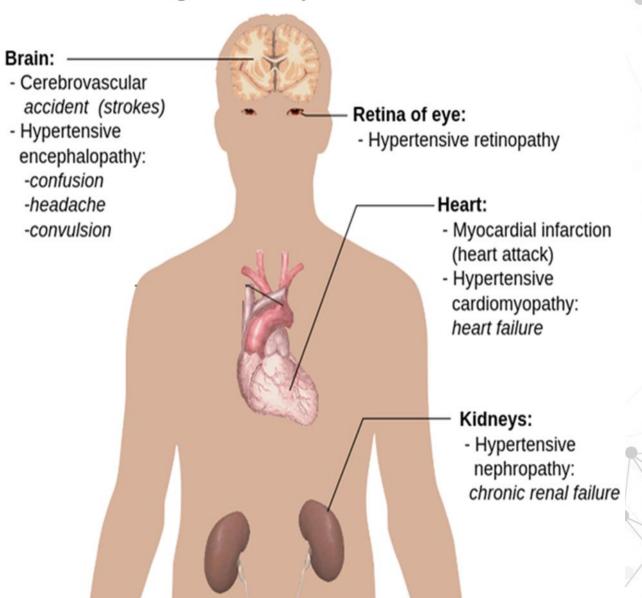






- Heart
- Brain
- Eye
- Blood vessels
- Kidney

### Main complications of persistent High blood pressure



#### DATA FOR HYPERTENSION CONTROL IN AFRICA

AFRICA STEMI LIVE



- Risk factors/associated factors (behavioural/upstream drivers, age)
- health burden prevalence, attributable morbidity & mortality (missed work, complications, admissions, DALYs lost, death rates)
- Economic burden (Direct costs, indirect costs, cost of inaction)
- Health system data (WHO SARAM data & PEN packages, HRH, EMTs, supply chain studies- "No Empty Shelves" – PATH)
- Feasibility and impact of interventions— HHA, AMPATH, MSF Belgium, APHRA (Methods & levels of intervention and evaluation methods-?implementation science)
- Costs of various intervention, comparative cost-effectiveness of intervention – "best-buys")
- Targets and Surveillance Systems/HIS (community, patient, facility level data – 25 by 25 goals, WHF/PASCAR HTN Road Map?"90-90-90 targets")



#### HHA Since October 2014 HHA has to date...



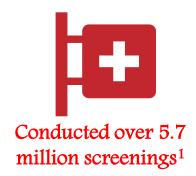


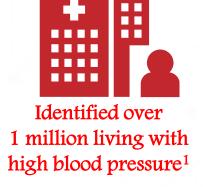
Activated over 675 health facilities<sup>1</sup>





Trained over 5,000 health workers<sup>1</sup>









Faith Based Health System



Urban setting



Large Faith Based Health System



Integrating into HIV services

### **PASCAR HYPERTENSION ROADMAP**



PASCAR has identified the fight against hypertension as N°1 priority action to achieve WHO/WHF 25 x 25 goal A Hypertension Task Force of continental experts:-

- plan a 15% control rate of BP in the next 10 years,
- Three successful meetings held.
- Final document after 4th meeting 2016

### Approach to Hypertension control in SSA:

- There are significant health and economic gains in to early detection, adequate treatment and good control of hypertension.
- Treating the complications of hypertension is costly and less effective.
- Addressing behavioural risk factors, e.g. unhealthy diet, tobacco consumption, harmful use of alcohol and physical inactivity can ameliorate hypertension burden.
- Hypertension remains number one risk factor for increased morbidity and mortality in Africa



### Thank you



