In November 2011, a draft National Development Plan (NDP) was released that addresses two of South Africa’s major challenges: poverty and inequity. Health and economic development are interdependent, presenting an important opportunity through the NDP to integrate health within goals of broader socio-economic development. Reviewing the NDP identified gaps based on evidence and the epidemiological risk profile of South Africa. Recommendations to improve the NDP and to deal with poverty and inequity should focus on prevention and addressing the social determinants of health, including: (i) a multi-sectoral approach to establish a comprehensive early childhood development programme; (ii) fiscal and legislative policies to bolster efforts to reduce the burden of non-communicable diseases; (iii) promoting and maintaining a healthy workforce; and (iv) promoting a culture of evidence-based priority setting. Achieving the goal of ‘a long and healthy life for all South Africans’ will require healthy public policies, well-functioning institutional and physical infrastructure, social solidarity, and an active and conscientious civil society.

A framework for analysis: Social determinants of health

To curb the rise of the quadruple burden of disease, South Africa must address upstream factors – the social determinants of health that ‘arise from the conditions in which people are born, grow, live, work and age’.7

Social determinants can be divided into structural and intermediary determinants.8 Structural determinants result in social stratification based on arbitrary characteristics (e.g. gender, race, ethnicity, sexuality, place of birth and religious belief) and are enforced by social, political and economic policies; apartheid is an example. These factors result in an inequitable distribution of power and access to resources, and an increase in vulnerability of certain population groups in terms of their respective socio-economic positioning.7 Intermediary determinants compound this inequity and result in vulnerable groups being less able to deal with adversity owing to their absolute or relative material deprivation.7,8 Intermediary determinants are related to, and stem from, the structural determinants. Consequently, a differential exists in the exposure to risk factors for disease, the ability to adequately address these risk factors, and an ultimate differential in wellness. These differentials are mostly as a result of factors outside the formal health system.

In South Africa, poverty and inequity are the major social determinants of health. Whereas adequate and equitable funding for health services is important, the solutions to address social determinants are more nuanced. Similarly, economic development alone will not improve health if resources are inequitably distributed.8,9 Within the framework of the social determinants, we reviewed the NDP to identify gaps and suggest a broader approach.

Findings from the NDP: 2030

The Plan’s chapter on Promoting Health has many merits, and largely focuses on the drivers behind our failing health system. Specific challenges pertaining to health are identified and 7 broad areas for action are presented (Table 1). Consideration is then given to how
each of these perspectives can be used in evaluating and making recommendations ‘to promote health and prevent disease’. Current activities of the Department of Health (DoH) are well integrated into the document, which provides for continuity of the current strategic direction. However, the NDP does not sufficiently challenge the DoH to further concretise and extend its focus. Despite the social determinants and prevention having been mentioned as targets, the chapter on Promoting Health does not explicitly address the up-stream factors or provide population-level preventive strategies. More importantly, none of the other chapters address health as an aid to achieve a reduction in inequity and poverty.

**Recommendations**

The most important omission in the NDP is the lack of integration among its chapters. The Plan follows the organisational trend of vertical and compartmentalised government services, with the health and other chapters being presented in ‘silos’. Since the overarching goal of the NDP is to provide a broad cross-departmental, inter-sectoral approach, it must develop a well-integrated plan with a common thread to guide future department-specific strategies, i.e. to guide each department on specific policy and provide the basis for future ‘joined-up’ governance. This is essential for addressing the inequities that have remained since 1994.

The NDP outlines the long-term goals and objectives for South Africa; our recommendations and suggestions focus on aspects that would help to steer the course towards improved population health.

Informed by evidence from the literature and the epidemiological risk profile of South Africa, we propose that the following key recommendations be included in the final NDP: (i) a multisectoral approach to establish a comprehensive early childhood development programme; (ii) fiscal and legislative policies to bolster efforts to reduce the burden of non-communicable diseases; (iii) promoting and maintaining a healthy workforce; and (iv) promoting a culture of evidence-based priority setting.

**Multisectoral approach: Early childhood development**

Early childhood development (ECD) requires a multisectoral approach with collaboration between health, education, social development, and civil society. Comprehensive ECD programmes present opportunities to reduce malnutrition and stunting, reduce the prevalence of micro-nutrient deficiency, and improve cognitive stimulation, development and growth – all of which improve child health. Investment in ECD further improves school attendance and performance and economic productivity, thereby directly and indirectly combating poverty. Programmes that provide services directly to children, especially those targeting the poorest and youngest children, and provide prolonged exposure to the programme, result in the most developmental gains. Without allocating sufficient resources toward ECD for the poorest children, ‘economic disparities will continue and widen’.


**Improved utilisation of fiscal and legislative policy levers: Non-communicable diseases**

Exploring fiscal and legislative measures to aid in addressing risk factors (Table 2) and resultant disease burdens should form part of the NPC’s strategy to promote health and prevent disease. Regulatory and fiscal interventions are effective even in resource-poor settings. New draft legislation on alcohol and tobacco are commendable steps to decrease risk at population level. However, more is required, and the NPC should endorse this approach and provide recommendations on future strategies.

<table>
<thead>
<tr>
<th>Risk factor</th>
<th>DALY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsafe sex/STIs</td>
<td>31.5%</td>
</tr>
<tr>
<td>Interpersonal violence (risk factor)</td>
<td>8.4%</td>
</tr>
<tr>
<td>Alcohol harm</td>
<td>7.0%</td>
</tr>
<tr>
<td>Tobacco smoking</td>
<td>4.0%</td>
</tr>
<tr>
<td>High BMI (excess bodyweight)</td>
<td>2.9%</td>
</tr>
<tr>
<td>Childhood and maternal underweight</td>
<td>2.7%</td>
</tr>
<tr>
<td>Unsafe water, sanitation and hygiene</td>
<td>2.6%</td>
</tr>
<tr>
<td>High blood pressure</td>
<td>2.4%</td>
</tr>
<tr>
<td>Diabetes mellitus (risk factor)</td>
<td>1.6%</td>
</tr>
<tr>
<td>High cholesterol</td>
<td>1.4%</td>
</tr>
<tr>
<td>Low fruit and vegetable intake</td>
<td>1.1%</td>
</tr>
<tr>
<td>Physical inactivity</td>
<td>1.1%</td>
</tr>
<tr>
<td>Iron deficiency anaemia</td>
<td>1.1%</td>
</tr>
<tr>
<td>Vitamin A deficiency</td>
<td>0.7%</td>
</tr>
<tr>
<td>Indoor air pollution</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

Source: Norman et al.

Alcohol, tobacco, unhealthy diets and injury are major risk factors fuelling the growing non-communicable diseases (NCDs) burden. Their amelioration at population level requires regulatory and fiscal intervention, which are outside the exclusive statutory mandate of the DoH.

Urgent action is required to regulate South Africa’s food environment. Multifaceted regulations on foodstuffs high in fats and salt, and calorie-dense foods, should be introduced, including food labelling, advertising restrictions and the subsidising of healthy foods.

Draft legislation for salt and fat is in progress, and this work should be extended. Introducing relevant programmes (e.g. community-based exercise initiatives) could complement these regulatory initiatives, resulting in the promotion of healthier lifestyles among South Africans.

Regarding violence and injury, international evidence shows that graduate driver licensing programmes have a positive effect...
on road traffic accident mortality, especially among young adults. Regulating the taxi industry, which constitutes the biggest segment of public transport in South Africa, is a further possibility. With over a third of homicides from gunshot, decreasing the number of firearms in circulation by hand-in and/or buy-back campaigns and increased regulation of licensing and ownership should be carefully considered.

Promoting and maintaining a productive and healthy workforce

Resources for financing healthcare are generated through the economic activities of the citizens of the country. As productivity increases, economic growth increases and more funds may become available for health. However, a healthy population and workforce is both a pre-requisite for economic development and a result of economic growth. As economic policy and health are inextricably linked, they should not be seen as competing for priority or resources. While job creation is at the top of the agenda in SA, the NPC should prioritise occupational health.

Evidence-based priority setting

Evidence-based priority setting and policy development should be used and promoted by the NPC. Ensuring rational, effective and efficient use of scarce resource requires data on burden of disease and economic evaluation. Institutionalising evidence-based decision-making will help to improve population health benefits and, by making more explicit the basis for decisions, promote public spending accountability.

Life expectancy in South Africa is 54 years, some 18 years less than that in Brazil, despite spending the same per capita on health. Increased spending to provide access to quality care must be complemented with evidence to navigate difficult choices in a complex environment. Mexico has shown the benefits of a priority-setting, evidence-based approach in healthcare reform.

Data, methods and evidence on effectiveness and equity of health interventions are becoming available. However, a healthy population and workforce is both a pre-requisite for economic development and a result of economic growth. As economic policy and health are inextricably linked, they should not be seen as competing for priority or resources. While job creation is at the top of the agenda in SA, the NPC should prioritise occupational health.

Conclusion

International economic uncertainty makes it prudent for South Africa to take measures to insulate itself from external shocks. To achieve this in a globalised world, in part requires anticipating and minimising domestic shocks, e.g. the HIV epidemic that has had major economic implications for sub-Saharan Africa. The insidious rise of the NCD burden will have similar long-term consequences for future growth and resource availability. Averting future economic losses and ensuring a sustainable NHIs requires explicit demand-side considerations to achieve an absolute and sustained reduction in the NCD burden built on prevention.

Healthy public policy is a necessary, but not a sufficient, component to ensure the welfare of citizens. Policy must be complemented with institutional and physical infrastructure that will ensure its enforcement and regulation to achieve tangible benefits. Our social responsibility as civil society and as health practitioners is to engage with policy makers and implementers at all steps to ensure that we achieve the goal of a ‘long and healthy life for all South Africans’.