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ScienceTalk

Chance for S'pore to relook attitudes on sleep, use of time

Pandemic offers reason to restructure way these issues are managed

Michael Chee

Most people today acknowledge that sleep, something we spend a quarter to a third of our lives on, is

in need of improvement.

However, not unlike New Year resolutions to exercise more and/or eat more healthily, mental notes to self about sleep quickly fall aside on the ceaseless treadmill of news, work, social obligations

This year, however, the annually recurring parade of sleep tips, foods, hacks, beds, aromas and diagnostic tests merits a relook.

The far-reaching impact of

Covid-19 on everyone gives us rea-son to re-examine societal atti-tudes to sleep and act with the same resolve we collectively threw

It makes much sense to pay attention to sleep because over time, it will have greater impact on health,

Societies that have done better in the pandemic paid attention to scientific findings. Thoughtful governments like Sin-

gapore's anticipated the danger of Covid-19 and worked with the public to contain its damage.

Some politicians elsewhere dressed up the inconvenient truth, proposed untenable quick fixes and skirted the issue until it became simply too catastrophic to ignore.

We should take a leaf from our

success at dealing with Covid-19 and transfer this to managing sleep, productivity and well-being. Science says that we need to pay

attention to sleep.
Secondary school students in Singapore report sleeping an average of 61/2 hours on weeknights. Empirical data collected here in-

dicates that this quantity of nocturnal sleep is insufficient for optimal vigilance performance.

Eight hours a night suffice but

fewer than 15 per cent of Singapore students achieve this.

Speed of processing and, critically, mood are also consistently affected by successive nights of inad-

equate sleep. Visual information is more

slowly captured, distractions are harder to suppress, and temporary information storage capacity is lower when we are sleep-deprived.

Adequate sleep is important for memory encoding. Sleep-re-stricted students show improved memory when allowed to nap. Insufficient sleep blunts the willing-ness to deploy cognitive effort to perform tasks.

In sum, and contrary to popular thinking, higher cognitive performance can be achieved by setting aside time to obtain sufficient sleep

Although electronic devices un doubtedly take up users' time, feeling the need to complete home-work before going to sleep is a dom-inant reason why our students

sleep later, and less. Although sleep is sacrificed in the belief that it is for a better life, available data indicates that higher-performing students sleep earlier (and more adequately). Our analysis of a United States-

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About the author

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based data set indicates that stuboth sleep and screen time recommendations achieve higher cognitive test scores.
Contemporary provisions made

for employee wellness indicate recognition of the benefits of preventive measures.

However, just like improving

diet and exercise, it is difficult to translate good intentions into behavioural change.

Transforming sleep is not unlike facing climate change.

Most people recognise it is a problem, but the collective will to whift accust one of the control of the collective will to whift accustomed. Infection to

shift accustomed lifestyles to make time for sleep is weak. The disruption wrought by the pandemic has given us an opportu-nity to explore alternative ways of living and working. Covid-19 lockdowns reduced

commute times by about 110 min-utes, affording the repurposing of

that time for things we had less time for in the past. For workers whose jobs were mostly not under threat during the lockdown, reduced commuting provided opportunities to allocate the time saved to family activities,

exercise or sleep.

However, data indicates only a fractional increase in sleep dura-

to changing mindsets?

The erosion of boundaries between work and personal time – the widespread expectation that one needs to be contactable and be able to answer e-mails after office hours - reduces the amount of

physically.
Elite athletes know that improvement and maintenance of high per-formance requires balancing work-load and rest periods. The metabolic benefits of inter-

mittent fasting speak to the same idea – that physiological systems cannot be constantly put under

load without consequences.

To these ends, some countries have already enacted "right to disconnect" laws restricting employee contact for work reasons after office hours.

There was a parliamentary debate.

There was a parliamentary debate in Singapore about such a law to mitigate burnout and health issues.

Commentaries in the media indicate that currently, many office workers and leaders are engaged in serial Zoom meetings well into the evening.
While these can be attributed to having to deal with business uncer-

tainties and how to adapt, the disruption should also have provided opportunities to examine how to

work more efficiently. In the case of home-based learning, anecdotal reports suggest significant diversity in how students

coped.
Weaker ones showed a need for learning habits to be strengthened through face-to-face interaction.

while stronger ones zoomed along. Schools seem to have responded by uniformly raising official school contact time across the board in-stead of allowing this to be more

In the future many more stuon remote learning, so creative approaches beyond pedagogy to deal with problems as well as opportunities are required.

The pandemic uncovered significant weaknesses in the gover-nance and social fabric of some Western societies.

While these societies command thought leadership and control of many key intellectual assets, the handling of Covid-19 has shown remarkable gaps in their ability to transform good ideas into out-

Singapore's ability to commit to should be extended to the realm of managing time use, work-life bal-ance and sleep in a manner that allows its citizens to benefit.

New businesses and opportuni-ties for thought leadership could arise from taking up this challenge. The way that work is being restructured and education reconfigured provides a golden opportu-nity to transform how we value sleep, and incorporate good sleep habits into efforts to enable Singa-

pore to emerge stronger from the

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tion of 17 minutes. What are some of the pushbacks Most people to a third of our

time to recuperate mentally and but the

sleep is weak,