A VIBRANT PIPELINE FOR UNMET MEDICAL NEEDS

The primary role of our industry is to research and develop new medicines, biotherapeutic products and vaccines. This is an overview of what the NCD medicine development pipeline holds from the **7 million hours** of work needed to develop one safe, effective and high-quality product.

MORE THAN 4100* NEW MEDICINES FOR NCDs IN THE PIPELINE

There are currently over 4100 new medicines for NCDs in the research-based pharmaceutical pipeline. Pharmaceutical innovation—the core of industry's work—relies on pushing the limits of scientific knowledge to advance new therapies for the benefit of patients. Some of the latest scientific achievements industry has pioneered include the development of biotherapeutic medicines. Major advances in fighting cancer effectively are due to the development of these medicines—whose active ingredients are derived from living organisms.

IFPMA

International Federation of Pharmaceutical Manufacturers & Associations

Please visit www.ifpma.org for more information.

* Source: Analysis Group. Innovation in the Biopharmaceutical Pipeline. A report commissioned by PhRMA. In certain cases, one potential candidate compound can serve multiple indications.

CANCERS

There are 3073 projects in the pipeline for cancer treatments. This includes in particular, lung, prostate, and breast cancer, but also other rare types of cancers. This pipeline reflects how challenging the fight against cancer is – requiring sophisticated cutting-edge technology and pioneer approaches to medicine. Some of the latest R&D technologies include the use of nanotechnology to assist the delivery of medicines to malignant cancer cells, potentially overcoming some limitations of existing treatments.

3073
PROJECTS IN PIPELINE FOR CANCERS

CARDIOVASCULAR DISEASES

450 PROJECTS

The number of medicines in development for cardiovascular diseases amounts to 450. As is the case with cancer, many of the potential new medicines use trailblazing technologies and scientific approaches. For example, human stem cells that restore cardiac function by forming new heart muscle are currently being developed and tested.

DIABETES

There are 281 projects in development for diabetes. Amongst the medicines in development, scientists are working on a once-a-week medicine that acts as a natural hormone that plays a significant role in blood sugar regulation, as well as another medicine that addresses the underlying cause of type 2 diabetes by modulating genes responsible for insulin sensitization.

281 PROJECTS

RESPIRATORY DISEASES

370 projects for Respiratory Diseases are in development. New ways to fight these diseases include an adult stem cell therapy that targets a protein in the blood that is often elevated in respiratory diseases, and a monoclonal antibody that acts on IL-1 receptors involved in inflammatory conditions.

370
PROJECTS FOR RESPIRATORY DISEASES